



January 13, 2026

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

**Via Electronic Transmission:** [axgc@westchestergov.com](mailto:axgc@westchestergov.com)

RE: Westchester County Airport  
October 2025 Semi-Annual  
Groundwater Sampling Results

Dear Ms. Gasparri:

This letter presents results for the second semi-annual groundwater sampling event of 2025 at the Westchester County Airport; sampling was completed between October 27 and November 3. The monitoring program was implemented in 2018 in response to a 2017 sampling event that confirmed the presence of per- and polyfluoroalkyl substances (PFAS) in onsite groundwater. PFAS are a class of man-made chemicals, some of which are components of Aqueous Film Forming Foams (AFFF) which are used to fight petroleum-based fires. Different types of these foams, including perfluorooctanesulfonic acid (PFOS) based AFFF and fluorotelomer AFFF, were used at the airport for fire training activities. These activities were conducted in an onsite burn pit, first by the Air National Guard, who left the site in 1983, and later by the airport in compliance with Federal Aviation Administration (FAA) regulations; use of the burn pit ceased in the late 1990s.

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

## **GROUNDWATER SAMPLING PROGRAM**

The October 2025 sampling event included a total of 38 groundwater monitor wells of which 36 were sampled for PFAS. In addition, samples from selected wells were also analyzed for volatile organic compounds (VOCs), 1,4-dioxane and glycols (ethylene and propylene glycol).

Table 1 lists the sampled wells, their depths and associated analytes; well locations are presented on Figure 1. Of the 38 wells included in this sampling event, 23 are completed in a shallow sand and gravel aquifer and 15 are completed in the underlying bedrock aquifer. Wells in the sand and gravel 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

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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 in tables 2 through 7 and figures 1 through 4. 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 8 and figures 5 and 6. Figure 7 presents graphs of water level elevations in select wells from 2018 – 2025.

## LABORATORY RESULTS

### Per- and Polyfluoroalkyl Substances (PFAS)

PFAS results are presented on tables 2 through 4 and figures 1 and 2. The PFAS samples were analyzed by EPA method 1633 which includes 40 different PFAS including PFOS and PFOA (perfluorooctanoic acid). In general, PFAS concentrations in groundwater decrease across the site from north to south. The highest concentrations are detected in wells in the northern part of the site near the former fire training burn pit, which is the primary PFAS source area onsite. Exceptions to this include two isolated areas in the southern part of the site where elevated PFAS concentrations indicate secondary source areas unrelated to the burn pit. These areas include the current fire training area near MW-58D and Hangar E (figure 1).

Analytical results for the October 2025 sampling event are consistent with previous results and the known source areas. The highest concentrations of total PFAS (the sum of all detected PFAS) were detected in samples from wells MW-63 (30,368 nanograms per liter (ng/L)) and MW-64 (15,097 ng/L) (table 3). Samples from these wells also contained the highest concentrations of PFOS (MW-64 8,630 ng/L) and PFOA (MW-63 14,300 ng/L). Both of these wells are located near the former burn pit. Other wells with elevated PFAS concentrations include well MW-58D, near the current fire training area, and Hangar E wells MW-1 and MW-4 (table 3, figure 1).

The high percentage of PFOS in well MW-64 (57%) relative to total PFAS, is consistent with a legacy, PFOS based AFFF, which is known to have been used in the burn pit. Samples from other wells in this area including FMW-8, FMW-31 and MW-53 show similar ratios. In contrast, the percentage of PFOS detected in samples from MW-58D and the Hangar E wells (0.3 – 3.2%) was much lower relative to total PFAS which is consistent with the signature of a fluorotelomer type AFFF (Tables 2 and 3). Fluorotelomer based AFFF eventually replaced legacy PFOS based AFFF at the airport and while considered less toxic and less persistent in the environment, Fluorotelomer AFFF still contains PFAS including low levels of PFOS and PFOA. The detection of different PFAS signatures in some groundwater samples indicates that different types of AFFF were released at the site.

Figure 2 presents graphs of total PFAS concentrations from August 2018 through October 2025 for 20 wells across the airport site. As shown on the graphs, PFAS concentrations have typically fluctuated within a consistent range during this timeframe and the current results do not show any significant deviations from the established ranges. In some wells, PFAS concentrations fluctuate up and down in conjunction with normal seasonal groundwater-level changes related to precipitation (FMW-8, FMW-15, FMW-31). Several wells including FMW-15, FMW-16, FMW-23(BR) and Hangar E MW-4, show above average concentration spikes occurring over one or two sample periods. While the cause of the spikes is uncertain, they appear to be isolated occurrences and not indicative of changes in the long-term trends.



In 2020, New York State promulgated Maximum Contaminant Levels (MCLs) of 10 ng/L each for PFOS and PFOA in public drinking water supplies. In April 2024 the USEPA announced Final MCLs for five individual PFAS in public drinking water supplies including PFOS and PFOA under the National Primary Drinking Water Regulation. Currently, enforceable water-quality standards for PFAS in groundwater or surface water in New York do not currently exist. However, the NYSDEC has issued guidance for the assessment of PFAS at sites where investigations are required pursuant to a State remedial program such as the Brownfields Program. The most recent version is dated April 2023 and it sets ambient groundwater quality guidance values of 2.7 ng/L for PFOS and 6.7 ng/L for PFOA. Sampling results for October 2025 show that 32 out of 36 groundwater samples had PFOS and/or PFOA concentrations that exceeded the guidance values (table 3).

### **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 chlorinated 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 2018 to October 2025, which are summarized on table 5 and figure 3, confirm its presence in monitor wells at both locations. Hangar D is located on the eastern side of the airport and Hangar E is located on the southwest side. Previous sampling results for 38 other onsite wells show no detections of 1,4-dioxane, confirming its presence is limited to these two locations (figure 3). Based on these results, continued analysis of 1,4-dioxane is limited to wells in and around Hangars D and E.

For the October 2025 sampling round, three wells were analyzed for 1,4-dioxane, MW-7S and XDDMW-11 associated with Hangar D, and MW-1 located in Hangar E. As shown on Table 5, 1,4-dioxane was detected at concentrations ranging from 2.35 ug/L (micrograms per liter) to 1,070 ug/L. In 2020, New York State promulgated an MCL of 1.0 ug/L for public drinking water supplies. In February 2023 a guidance value of 0.35 ug/L was published for groundwater and surface water. All of the October 2025 detections exceeded the guidance value.

### **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. VOCs were analyzed as part of a previous groundwater monitoring program that was completed between 2001 to 2011, resulting in a 10-year record of historical data. Based on this data, samples from 16 wells were analyzed for VOCs as part of the October 2025 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.

Results for the October 2025 sampling round show that VOCs were detected in samples from 11 wells of which 7 showed concentrations above groundwater standards including, FMW-14, FMW-23, FMW-31, FMW-39, Hangar E MW-1, MW-7S and MW-64. As shown on Table 6, the detected VOCs include petroleum and solvent related compounds. Most of the VOC detections are consistent with baseline data and can be attributed to residual contamination associated with known release areas including former Hangar B (NYSDEC Spill No. 98-11689), Hangar D (NYSDEC Site No. 360037), Hangar E (NYSDEC Spill No. 0912936) and the former Air National Guard site (NYS Voluntary Cleanup program Site No. V00499). 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 was shut down and decommissioned in August 2024. Residual contamination at Hangar D is being managed under a Site Management Plan. The former Air National Guard site was investigated in 2003 and 2004; no



source area was found and no further action was required at that time. In response to the remedial actions, noticeable decreases in VOC concentrations are evident in several of these wells including Hangar D MW-7S and Hangar E MW-1 (figure 4).

Of the detections noted above, there are several which do not appear to be related to the known onsite source areas. These detections occurred in wells FMW-14, FMW-31 and MW-64.

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, dating back to 2002, with no clear trend or apparent source. Low concentrations of other VOCs including benzene have also been inconsistently detected over this time frame. For the October 2025 sampling round, chlorobenzene was detected at 5.33 ug/L which is just above the standard of 5.0 ug/L and benzene was not detected (table 6, figure 4).

FMW-31 is 22 feet deep and located in the northeastern part of the site near the former Air National Guard site, where a source area was never identified. Several VOCs have historically been detected in samples from this well however only one, 1,2,4-Trimethylbenzene, is repeatedly detected above the groundwater standard of 5.0 ug/L. Since 2018 concentrations have ranged from non-detect to 11 ug/L. However, in the October 2025 sample the detected concentration was 41.9 ug/L, which is outside the normal range for this well (figure 4). There is no apparent cause for this concentration increase and all other VOCs detected in this sample were within their normal range. 1,2,4-Trimethylbenzene was not detected above the standard in any of the other sampled wells. Subsequent sampling will determine if this detection is anomalous or if further investigation is warranted.

MW-64 was installed in 2020 and does not have a long sampling history. This well is 15 feet deep and is located in the northern part of the site, downgradient of the former burn pit. The October 2025 sample from this well contained acetone at a concentration of 168 ug/L, which is above the standard of 50 ug/L. Acetone has been detected in this well previously, but at concentrations ranging between 1 and 6 ug/L. Acetone is also inconsistently detected in other onsite wells, however there are no known, onsite acetone source areas. Acetone is a known laboratory contaminant and is commonly detected as a laboratory artifact. Although acetone was not detected in any of the quality control samples (field or trip blanks) the detection was flagged in the lab report as being an estimated value due to laboratory calibration issues. Based on this information and the known site history, this detection is viewed as suspect and not considered to be associated with any onsite release areas. Subsequent sampling will confirm if acetone is actually present in this well and at what concentration. A similar detection of acetone (107 ug/L) occurred in a sample from well MW-59D during the April 2025 sampling event and it was not detected in the subsequent October 2025 sample (table 6).

Several other VOCs have historically been detected in MW-64 and until recently two of these, 1,2-dichloroethane and vinyl chloride, have been detected above groundwater standards (figure 4, table 6). The source of these detections is not clear. 1,2-dichloroethane, vinyl chloride and cis-1,2-dichloroethylene (also detected) are degradation products of tetrachloroethylene and all are related to releases associated with Hangars D and E and are present in other wells. However, MW-64 is not downgradient of these known source areas. As shown on Figure 4, the concentrations of these compounds in MW-64 have been declining over the last several years. The concentrations of 1,2-dichloroethane and vinyl chloride were below the groundwater standard in the October 2025 sample and cis-1,2-dichloroethylene was not detected at all during 2025.

### **Glycols**

Ethylene and propylene glycol (glycols) are associated with deicing fluid. Samples from four wells are 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 results (table 2).



### **Quality Assurance/Quality Control**

As part of the sampling protocol, duplicate samples, field blanks and trip blanks were collected and analyzed with the well samples. 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 analyzed when VOC samples were collected.

Table 7 presents the duplicate sample results for October 2025. 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 in table 7 show good correlation, with a few minor exceptions that are not considered significant.

Field blanks are used to monitor the sampling process and are prepared onsite during sampling with laboratory provided 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.

PFAS were not detected in any of the blank samples. Chloroform was detected in several field and trip blanks at concentrations ranging between 1.6 and 15.2 ug/L. Chloroform is not a contaminant of concern at the airport and it was not detected in any of the samples collected from the onsite wells. Chloroform is a byproduct of the chlorination process used to disinfect municipal water sources and it was most likely present in the water provided by the lab to prepare the blank samples. Acrolein was detected at 0.89 ug/L in the field and trip blanks collected on October 29. Both detections were flagged in the lab report with a “B” qualifier which means it was detected in an internal laboratory method blank sample and indicates laboratory cross contamination of this compound. Acrolein was detected in one sample collected on October 29, Hangar E MW-1 at 1.8 ug/L, and the detection was flagged with the “B” qualifier. Acrolein is not a contaminant of concern at the site and based on its detection in the lab method blank, its detection in Hangar E MW-1 is not considered to be site related.

## **GROUNDWATER FLOW**

The direction of groundwater flow and the observed water level elevations measured during October 2025 are consistent with historical data, showing little change over time outside of normal seasonal variations. Groundwater elevation data are presented on table 8 and figures 5 and 6 which are groundwater elevation contour maps.

For October 2025, groundwater elevations across the site in the shallow sand and gravel aquifer ranged from a high of 423.20 ft msl (feet above mean sea level) in the northern part of the site at FMW-8, to a low of 350.43 ft msl in the southeastern corner of the site at MW-58D (figure 5). In the bedrock aquifer, elevations ranged from a high of 422.82 ft msl at FMW-23 in the northern part of the site, to a low of 381.42 ft msl in MW-56D in the western part of the site (figure 6).

The direction of groundwater flow across the site in the sand and gravel and bedrock aquifers varies because of a major drainage basin divide that runs through the property. Approximately three quarters of the site lie within the Blind Brook Drainage Basin; the remainder lies in the Rye Lake sub-basin. Groundwater flow in the Blind Brook Basin is primarily south to southeast. Groundwater flow within the Rye Lake basin flows primarily towards Rye Lake, which is located approximately 600 feet west of the airport. In the southwest corner of the property, groundwater flow in the shallow aquifer is northward, onto the site, towards a hydraulic low point at FMW-25 (figures 5 and 6).



Figure 7 presents graphs of water level elevation data from 2018 through October 2025 for 14 wells across the site. As shown on the graphs, 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. This is most noticeable in the shallow sand and gravel wells which are more susceptible to precipitation related seasonal variation than the deeper bedrock wells. Between April and October 2024, a larger than normal seasonal decline in water levels is noticeable in all 14 wells which is directly related to below average precipitation that was experienced near the end of that year. Data for April and October 2025 show water levels have risen back to their normal range.

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 to address PFAS and any other identified contaminants of concern.

The next semi-annual sampling round will be scheduled in April 2026. 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  
Michele Wittman, P.G.

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## **TABLES**

TABLE 1  
WESTCHESTER COUNTY AIRPORT  
Sample Analyte List - October 2025

Well (BR) = Bedrock	PFAS EPA 1633	Volatile Organics	1,4-Dioxane	Glycols	Well Depth* (ft bg)
DPW-2	X	X			12
DPWMW-3	Not Sampled - Well Damaged				14
FMW-2R	X				12
FMW-3	Not Sampled - Well Damaged				15
FMW-6	Not Sampled - Well Damaged				11
FMW-8	X	X			11
FMW-14	X	X			16
FMW-15	X	X			15
FMW-16	X				16
FMW-17	WATER LEVEL ONLY				11
FMW-23 BR	X	X			43
FMW-24	X				9
FMW-25	X	X		X	13
FMW-26	X				16
FMW-31	X	X			22
FMW-35 BR	X				58
FMW-37				X	14
FMW-39	X	X			6
FMW-40	X	X			13
MW-3	WATER LEVEL ONLY				18
MW-7S BR	X	X	X		25
MW-16	X				12
MW-43 BR	X	X			68
MW-44	X				18
MW-51 BR	X				52
MW-52 BR	X				72
MW-53 BR	X	X			96
MW-54 S	X				10
MW-54 D BR	X				77
MW-55 S	X				15
MW-55 D BR	X				47
MW-56 S	X				10
MW-56 D BR	X				82
MW-57 BR	X				82
MW-58 D	X				60
MW-59 S	WATER LEVEL ONLY				15
MW-59 D BR	X	X			77
MW-60 BR	X				77
MW-61	WATER LEVEL ONLY				12
MW-63	X				15
MW-64	X	X			15
XDDMW-10 BR		X			60
XDDMW-11 BR	X		X	X	40
Hangar E MW-1	X	X	X	X	20
Hangar E MW-4	X				20

\*Well Depths are reported well completion depths in feet below grade.

TABLE 2  
WESTCHESTER COUNTY AIRPORT  
Sampling Results Summary - October 2025  
(see Table 6 for volatile organics)

Well (BR) = Bedrock	Total PFAS <sup>1</sup> (ng/L)	PFOS (ng/L)	PFOA (ng/L)	1,4-Dioxane (ug/L)	Glycols (mg/L)	Well Depth <sup>2</sup> (ft bg)
DPW-2	113	<7.60	12.8	----	----	12
FMW-2R	34.4	5.78	12.2	----	----	12
FMW-8	2,530	1,270	196	----	----	11
FMW-14	324	89.6	34.4	----	----	16
FMW-15	1,767	302	113	----	----	15
FMW-16	1,548	700	91.7	----	----	16
FMW-23 (BR)	2,699	339	108	----	----	43
FMW-24	61.1	26.8	16.8	----	----	9
FMW-25	15.0	3.47	3.61	----	ND	16
FMW-26	32.1	22.1	4.07	----	----	16
FMW-31	8,048	6,110	116	----	----	22
FMW-35 (BR)	187	78.2	14.0	----	----	58
FMW-37	----	----	----	----	ND	14
FMW-39	26	8.93	3.81	----	----	6
FMW-40	2,052	940	63.9	----	----	13
MW-7S (BR)	252	107	16.5	8.19	----	25
MW-16	42	22.9	2.89	----	----	12
MW-43 (BR)	575	156	52.9	----	----	68
MW-44	565	186	54.5	----	----	18
MW-51 (BR)	289	81.7	32.8	----	----	52
MW-52 (BR)	4.65	1.65	<1.07	----	----	72
MW-53 (BR)	955	475	45.5	----	----	96
MW-54 S	663	12.8	12.1	----	----	10
MW-54 D (BR)	3,370	304	108	----	----	77
MW-55 S	1,768	531	40.0	----	----	15
MW-55 D (BR)	1,100	505	16.1	----	----	47
MW-56 S	246	66.6	45.0	----	----	10
MW-56 D (BR)	5.56	2.27	1.51	----	----	82
MW-57 (BR)	5.36	<0.792	3.63	----	----	82
MW-58 D	6,818	221	691	----	----	60
MW-59 D (BR)	ND	<0.758	<0.998	----	----	77
MW-60 (BR)	3,856	283	127	----	----	77
MW-63	30,368	4,770	14,300	----	----	15
MW-64	15,097	8,630	1,630	----	----	15
XDDMW-11 (BR)	231	13.1	18.1	2.35	ND	40
Hangar E MW-1	5,281	17.0	194	1,070	ND	20
Hangar E MW-4	4,648	131	376	----	----	20
Guidence Values**	None	2.7	6.7	0.35	50* / 1,000	----

1) Sum of all detected PFAS by EPA 1633- see lab reports in the Appendix for individual PFAS detections.

2) Well Depths are reported well completion depths in feet below grade.

(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)

<0.758 denotes less than and indicates the minimum detectable level.

ND - Not Detected (see Appendix for detection limits)

---- - Not Analyzed

\*\* NYSDEC Division of Water Technical and Operational Guidence Series (TOGS) 1.1.1

2023 Addendum (PFOS, PFOA, 1-4-dioxane) 2004 Addendum (propylene glycol)

\* 50 (ethylene glycol) 1,000 (propylene glycol)

TABLE 3  
WESTCHESTER COUNTY AIRPORT  
PFAS Summary by Total PFAS Concentration

October 2025				
Total PFAS <sup>1</sup> (ng/L)	PFOS (ng/L)	PFOA (ng/L)	Well (BR) = Bedrock	Well Depth <sup>2</sup> (ft bg)
30,368	4,770	14,300	MW-63	15
15,097	8,630	1,630	MW-64	15
8,048	6,110	116	FMW-31	22
6,818	221	691	MW-58 D	60
5,281	17.0	194	Hangar E MW-1	20
4,648	131	376	Hangar E MW-4	20
3,856	283	127	MW-60 (BR)	77
3,370	304	108	MW-54 D (BR)	77
2,699	339	108	FMW-23 (BR)	43
2,530	1,270	196	FMW-8	11
2,052	940	63.9	FMW-40	13
1,768	531	40.0	MW-55 S	15
1,767	302	113	FMW-15	15
1,548	700	91.7	FMW-16	16
1,100	505	16.1	MW-55 D (BR)	47
955	475	45.5	MW-53 (BR)	96
663	12.8	12.1	MW-54 S	10
575	156	52.9	MW-43 (BR)	68
565	186	54.5	MW-44	18
324	89.6	34.4	FMW-14	16
289	81.7	32.8	MW-51 (BR)	52
252	107	16.5	MW-7S (BR)	25
246	66.6	45.0	MW-56 S	10
231	13.1	18.1	XDDMW-11 (BR)	40
187	78.2	14.0	FMW-35 (BR)	58
113	<7.60	12.8	DPW-2	12
61	26.8	16.8	FMW-24	9
42	22.9	2.89	MW-16	12
34	5.78	12.2	FMW-2R	12
32	22.1	4.07	FMW-26	16
26	8.93	3.81	FMW-39	6
15	3.47	3.61	FMW-25	16
5.56	2.27	1.51	MW-56 D (BR)	82
5.36	<0.79	3.63	MW-57 (BR)	82
4.65	1.65	<1.07	MW-52 (BR)	72
ND	<0.75	<0.99	MW-59 D (BR)	77
None	2.7	6.7	Guidence Values**	—

1) Sum of all detected PFAS by EPA 1633- see lab reports in the Appendix for individual PFAS detections.

2) Well Depths are reported well completion depths in feet below grade.  
<0.758 denotes less than and indicates the minimum detectable level.

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

\*\* NYSDEC Division of Water Technical and Operational Guidence Series (TOGS) 1.1.1, 2023 Addendum.

TABLE 4  
WESTCHESTER COUNTY AIRPORT  
PFAS Summary by Well 2018 - 2025

Well (BR) = Bedrock	Total PFAS <sup>1/</sup> all results are in nanograms per liter (ng/L)															Well Depth* (ft bg)
	Aug. 2018	March 2019	Oct. 2019	April May 2020	Oct. 2020	April 2021	Oct. 2021	April 2022	Oct. 2022	April 2023	Oct. 2023	April 2024	Oct. 2024	April 2025	Oct. 2025	
DPW-2	275	198	387	74	238	299	239	29	140	387	401	104	386	33	113	12
DPWMW-3	37	35	6.0	21	2.0	11	34	13	35	120	27	15	**	**	**	14
FMW-2R	35	23	31	40	3.4	42	24	24	18	36	28	33	12	7.3	34	12
FMW-3	128	223	123	113	78	82	132	23	43	35	60	74	**	**	**	15
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
FMW-7	31,983	28,424	34,645	14,993	10,115	13,947	18,603	27,344	**	**	**	**	**	**	**	12
FMW-8	3,104	5,223	3,998	4,713	2,498	3,368	3,759	3,497	2,976	5,446	2,803	4,447	2,502	3,452	2,530	11
FMW-14	346	492	350	298	198	278	279	314	144	291	346	415	399	264	324	16
FMW-15	305	103	373	179	497	218	658	130	1,271	484	576	224	721	347	1,767	15
FMW-16	899	769	624	843	950	806	1,070	710	938	1,068	1,734	2,051	801	562	1,548	16
FMW-17	7,407	4,412	3,753	4,369	2,197	630	2,068	791	1,229	**	**	**	**	**	**	11
FMW-23 (BR)	1,735	1,843	2,066	1,838	1,680	1,807	1,480	1,671	1,365	2,842	2,542	1,902	1,943	1,484	2,699	43
FMW-24	77	79	75	52	39	47	45	101	42	42	40	38	99	45	61	9
FMW-25	36	42	29	27	23	18	34	26	26	28	41	29	29	18	15	13
FMW-26	25	28	94	21	62	11	36	32	80	23	30	31	96	16	32	16
FMW-31	9,519	10,544	8,063	8,768	9,545	6,988	8,139	6,141	11,029	6,481	8,705	7,254	9,825	3,381	8,048	22
FMW-35 (BR)	178	242	327	312	234	220	265	246	234	224	256	226	203	110	187	58
FMW-39	38	7.7	11	3.6	ND	19	144	ND	31	15	59	84	Dry	17	26	6
FMW-40	1,337	2,124	2,167	1,864	1,922	1,834	1,474	2,047	1,903	1,256	1,836	1,405	2,296	1,544	2,052	13
MW-3	93	90	77	86	**	**	**	**	**	**	**	**	**	**	**	18
MW-7S (BR)	294	362	325	221	**	**	280	324	290	254	302	432	183	182	252	25
MW-16	110	196	101	75	35	**	**	**	**	64	111	82	60	45	42	12
MW-43 (BR)	569	596	870	787	673	500	587	680	580	536	638	505	508	473	575	68
MW-44	508	450	544	440	586	**	**	530	509	511	576	419	502	465	565	18
MW-51	**	**	**	239	**	**	221	579	634	350	302	301	353	218	289	52
MW-52 (BR)	**	**	**	236	**	**	224	30	17	23	19	7.4	191	260	4.7	72
MW-53 (BR)	**	**	**	1,909	**	**	1,125	736	**	1,127	1,427	1,433	1,254	579	955	96
MW-54 S	**	**	**	18	**	**	125	4.0	155	103	550	11	335	51	663	10
MW-54 D (BR)	**	**	**	2,800	**	**	2,737	4,100	3,687	2,829	2,827	2,993	3,276	2,712	3,370	77
MW-55 S	**	**	**	2,123	**	**	2,611	3,824	3,183	2,755	1,355	1,576	2,263	1,049	1,768	15
MW-55 D (BR)	**	**	**	609	**	**	1,150	1,680	1,190	1,235	1,245	1,300	1,357	1,066	1,100	47
MW-56 S	**	**	**	947	**	**	1,076	353	944	764	1,048	722	1,085	437	246	10
MW-56 D (BR)	**	**	**	11	**	**	6.0	5.0	7.0	9.0	10	5.0	11	8.0	5.6	82
MW-57 (BR)	**	**	**	19	**	**	4.7	6.0	5.0	14	8.0	9.5	7.6	3.4	5.4	82
MW-58 S	**	**	**	Dry	**	**	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	DRY	21
MW-58 D	**	**	**	30,946	**	**	32,369	10,339	31,357	7,009	16,332	13,500	23,317	32,874	6,818	60
MW-59 S	**	**	**	31	**	**	82	60	49	**	**	**	**	**	**	15
MW-59 D (BR)	**	**	**	58	**	**	37	97	30	24	17	12	6.0	55	ND	77
MW-60 (BR)	**	**	**	4,168	**	**	3,439	4,575	4,585	4,274	4,444	3,716	3,787	3,449	3,856	77
MW-61	**	**	**	139	**	**	**	148	**	**	**	**	**	**	**	12
MW-63	**	**	**	65,880	**	**	**	21,368	53,835	33,620	38,822	28,177	39,699	31,857	30,368	15
MW-64	**	**	**	23,791	**	**	**	**	15,977	15,485	13,751	15,417	14,323	13,464	15,097	15
XDDMW-11 (BR)	1,283	544	272	455	410	503	430	458	456	495	406	227	321	371	231	40
Hangar E MW-1	**	**	6,283	5,010	4,075	4,603	5,374	5,890	6,714	4,572	6,270	5,987	6,648	6,127	5,281	20
Hangar E MW-3	**	**	2,949	1,778	**	**	**	**	**	**	**	**	**	**	**	20
Hangar E MW-4	**	**	**	5,985	3,632	4,117	5,074	12,317	8,163	6,566	4,143	4,968	5,529	4,813	4,648	20

<sup>1/</sup> Total PFAS is the sum of all detected PFAS. Since April 2023 PFAS has been analyzed by 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.

\*Well Depths are reported well completion depths in feet below grade. \*\* PFAS not analyzed or well not sampled. Wells MW-51 through MW-64 were installed in 2020.

TABLE 5  
WESTCHESTER COUNTY AIRPORT  
1,4-Dioxane Summary <sup>1/</sup>

Well (BR) = Bedrock Well	1,4-Dioxane (ug/L)															Well Depth* (ft bg)	Guidance Value <sup>2/</sup> (ug/L)
	Aug. 2018	Mar. 2019	Oct. 2019	Apr. 2020	Oct. 2020	Apr. 2021	Oct. 2021	Apr. 2022	Oct. 2022	Apr. 2023	Oct. 2023	Apr. 2024	Oct. 2024	Apr. 2025	Oct. 2025		
MW-3	**	**	**	0.42	9.3	**	**	**	**	**	**	**	**	**	**	18	0.35
MW-7S (BR)	**	32.0	32.4	30.3	11.4	22.0	55.2	18.0	30.4	16.8	16.6	15.1	5.94	8.11	8.19	25	
MW-10D (BR)	**	5.0	6.58	**	**	**	**	**	**	**	**	**	**	**	**	55	
MW-10S (BR)	**	8.40	9.72	9.38	6.94	**	**	**	**	**	**	**	**	**	**	37	
XDDMW-10 (BR)	**	2.50	2.00	**	**	**	**	**	**	**	**	**	**	**	**	60	
XDDMW-11 (BR)	4.50	3.82	2.00	4.44	4.22	5.60	4.00	5.17	6.67	5.46	5.52	3.70	2.21	4.67	2.35	40	
Hangar E MW-1	**	**	1,940	470	2,590	580	1,750	920	2,860	1,700	2,290	1,170	572	980	1,070	20	
Hangar E MW-2	**	**	263	420	440	889	**	**	**	**	**	**	**	**	**	20	
Hangar E MW-3	**	**	17.2	42.6	**	**	**	**	**	**	**	**	**	**	**	20	
Hangar E MW-4	**	**	28.3	27.7	13.1	32.0	17.4	25.2	17.3	**	**	**	**	**	**	20	

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

2/ NYSDEC Division of Water Technical and Operational Guidance Series, 2023 Addendum.

\*Well Depths are reported well completion depths in feet below grade.

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

ND - Not Detected (see Appendix for detection limits)

\*\* Not Analyzed

TABLE 6  
WESTCHESTER COUNTY AIRPORT  
Volatile Organics Summary

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Sample ID	NYSDEC TOGS	DPW-2				FMW-8				FMW-14				FMW-15				FMW-23				FMW-25			
		April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025
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	NT	ND	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	NT	ND	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	NT	ND	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	NT	ND	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	NT	ND	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	NT	ND	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	NT	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50*	ND	NT	ND	1.45 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	NT	ND	ND	ND	ND	ND	ND	1.4	ND	0.47 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	NT	ND	ND	ND	ND	ND	ND	29	7.67	4.07	5.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	NT	ND	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	NT	ND	ND	0.73	0.44	0.46 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	98	74.6	144	38.5	ND	ND	ND	ND
Cyclohexane	~	ND	NT	ND	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	NT	ND	ND	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	NT	ND	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10*	ND	NT	ND	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	NT	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	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Amyl alcohol (TAA)	~	ND	NT	ND	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	NT	ND	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.62	12.0	ND	ND	ND	ND	ND	ND
Toluene	5	6.5	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	5	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75	0.67	0.52	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49 J	0.51	0.48 J	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	NT	ND	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.99	22.7	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NYSDEC TOGS - State groundwater standards and guidance values.

Exceeds Standard or Guidance

ug/L micrograms per liter (parts per billion)

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

NT - Not Tested

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

~ - indicates no regulatory limit is established.

J - Detected below the reporting limit but

above the Method Detection Limit

B - analyte round in the analysis batch blank

indicating laboratory cross contamination.

TABLE 6  
WESTCHESTER COUNTY AIRPORT  
Volatile Organics Summary

Page 2 of 3

Sample ID	NYSDEC TOGS	FMW-31 (ANG well)				FMW-39				FMW-40 (ANG well)				MW-1 (Hangar E)				MW-7S (Hangar D)				
		April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	
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	NT	ND	ND	ND	ND	ND	ND	1.40	5.45	2.27	14.1	0.8	ND	ND	0.55	
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	8.6	5.93	6.34	9.01	22	13.8	10.8	17.6	
1,1-Dichloroethylene	5	ND	ND	ND	ND	0.41 J	NT	ND	ND	ND	ND	ND	ND	18	10.1	7.41	6.71	0.49 J	ND	2.08	2.6	
1,2,4-Trimethylbenzene	5	1.0	ND	10.3	41.9	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	3.40	3.15	2.00	3.02	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	5	0.49 J	ND	ND	1.91	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acetone	50*	1.5 J	ND	1.62 J	ND	3.4	NT	ND	4.25	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND	14.4	1.63 J	
Benzene	1	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	0.61	ND	0.52	0.66	0.43 J	ND	ND	ND	
Chlorobenzene	5	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	5	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	26.0	12.1	5.56	15.5	ND	ND	ND	ND	
cis-1,2-Dichloroethylene	5	0.32 J	0.99	0.31 J	2.02	ND	NT	ND	ND	ND	ND	ND	ND	3.0	2.14	2.05	1.75	2.4	0.44 J	10.2	13.3	
Cyclohexane	~	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	0.31 J	ND	ND	ND	ND	ND	ND	ND	
Ethyl Benzene	5	1.2	ND	ND	1.31	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Isopropylbenzene	5	3.6	ND	3.38	3.86	ND	NT	ND	ND	ND	ND	ND	ND	0.32 J	ND	ND	ND	ND	ND	ND	ND	
Methyl tert-butyl ether	10*	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene chloride	5	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	10*	ND	ND	5.99	11.3 B	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-Butylbenzene	5	0.39 J	0.39 J	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-Propylbenzene	5	5.0	ND	3.26	3.64	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
sec-Butylbenzene	5	0.98	ND	0.73	0.82	ND	NT	ND	ND	ND	ND	ND	ND	0.37 J	ND	ND	ND	ND	ND	ND	ND	
tert-Amyl alcohol (TAA)	~	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	291	ND	228	ND	ND	ND	ND	
tert-Butyl alcohol (TBA)	~	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	8.50	ND	10.6	ND	ND	ND	ND	ND	
tert-Butylbenzene	5	1.1	ND	0.58	1.13	ND	NT	ND	ND	ND	ND	ND	ND	0.30 J	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethylene	5	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.10	ND	
Toluene	5	ND	ND	ND	ND	590	NT	3.67	7.53	ND	ND	ND	ND	ND	ND	ND	ND	0.32 J	ND	ND	ND	
trans-1,2-Dichloroethylene	5	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25 J	0.30 J	ND	ND	
Trichloroethylene	5	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	0.48 J	ND	ND	ND	1.1	ND	0.30 J	1.36	
Vinyl Chloride	2	041 J	ND	ND	0.63	ND	NT	ND	ND	ND	ND	ND	ND	77	91.2	58.8	81.6	16	10.9	4.55	6.21	
Xylenes, Total	5	ND	ND	ND	1.83	ND	NT	ND	ND	ND	ND	ND	ND	0.63 J	ND	ND	ND	ND	ND	ND	ND	

NYSDEC TOGS - State groundwater standards and guidance values.

Exceeds Standard or Guidance

ug/L micrograms per liter (parts per billion)

ND - Not Detected (see Appendix for detection limit)

NT - Not Tested

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

~ - indicates no regulatory limit is established.

J - Detected below the Reporting Limit but

above the Method Detection Limit

B - analyte found in the analysis batch blank

indicating laboratory cross contamination.

TABLE 6  
WESTCHESTER COUNTY AIRPORT  
Volatile Organics Summary

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Sample ID	NYSDEC TOGS	MW-43 (Former Hangar B)				MW-53				MW-58D			MW-59D				MW-64				XDDMW-10			
		April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	May 2020	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025	April 2024	Oct 2024	April 2025	Oct 2025
Compound	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
Volatile Organics, 8260	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	0.65	1.50	1.94	0.83
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	NT	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	NT	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	NT	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	NT	ND	ND	ND	ND	0.74	0.63	0.77	0.54	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50*	ND	ND	ND	ND	1.20 J	ND	ND	1.78 J	2.70	ND	NT	ND	ND	107	ND	1.0 J	ND	ND	168	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	ND	NT	ND	ND	ND	ND	0.24 J	0.36 J	ND	ND	1.20	2.17	3.33	ND
Cyclohexane	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	4.7	5.8	0.66	4.35	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10*	4.60	4.97	3.25	3.39	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	0.59	0.52	0.44 J	0.95	ND	ND	ND	ND
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Amyl alcohol (TAA)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	NT	ND	ND	ND	ND	ND	ND	ND	0.96	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	0.28 J	0.41 J	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	ND	1.06	0.28 J	2.09	ND	2.04	ND	ND	ND	2.20	NT	ND	5.22	5.54	ND	ND	ND	3.14	ND	ND	3.23	8.73	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	0.42 J	ND	NT	ND	ND	1.11	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	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	NT	ND	ND	ND	ND	2.80	2.54	1.42	1.52	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NYSDEC TOGS - State groundwater standards and guidance values.

Exceeds Standard or Guidance

ug/L micrograms per liter (parts per billion)

ND - Not Detected (see Appendix for detection limit)

NT - Not Tested

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

- - indicates no regulatory limit is established.

J - Detected below the reporting limit but

above the Method Detection Limit

B - analyte found in the analysis batch blank

indicating laboratory cross contamination.

TABLE 7  
WESTCHESTER COUNTY AIRPORT  
Field Duplicate Results

Date	10/27/25		10/29/25	
Sample ID	MW-63	Field Duplicate	MW-7S	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	ND	ND
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	448	642	5.36	<4.97
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)	286	408	0.828	0.887
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	ND	ND	ND
Perfluoro-1-octanesulfonamide (FOSA)	21.4	24	ND	ND
Perfluoro-1-pentanesulfonate (PFPeS)	367	580	2.86	2.63
Perfluoro-3,6-dioxiheptanoic 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)	219	254	3.55	4.29
Perfluorodecanoic acid (PFDA)	ND	ND	1.62	1.50
Perfluorododecanesulfonic acid (PFDoS)	ND	ND	ND	ND
Perfluorododecanoic acid (PFDoA)	ND	ND	ND	ND
Perfluoroheptanoic acid (PFHpA)	349	362	15.1	11.9
Perfluorohexanesulfonic acid (PFHxS)	7,870	13,600	25.2	25.1
Perfluorohexanoic acid (PFHxA)	1,220	1,490	21.5	19.4
Perfluoro-n-butanoic acid (PFBA)	127	156	14.4	16.3
Perfluorononanoic acid (PFNA)	<49.5	69.6	13.2	10.6
Perfluorooctanesulfonic acid (PFOS)	4,770	5,370	107	96.2
Perfluorooctanoic acid (PFOA)	14,300	24,700	16.5	13.1
Perfluoropentanoic acid (PFPeA)	391	465	24.7	22.3
Perfluorotetradecanoic acid (PFTA)	ND	ND	ND	ND
Perfluorotridecanoic acid (PFTrDA)	ND	ND	ND	ND
Perfluoroundecanoic acid (PFUnA)	ND	ND	ND	ND
Total PFAS	30,368	48,121	252	224

Date	10/29/25	
Sample ID	MW-7S	Field Duplicate
Volatile Organics, 8260	ug/L	ug/L
1,1,1-Trichloroethane	0.550	0.590
1,1-Dichloroethane	17.6	18.4
1,1-Dichloroethylene	2.60	2.49
1,2-Dichlorobenzene	ND	ND
1,2-Dichloroethane	ND	ND
Acetone	1.63	2.58
Benzene	ND	ND
Carbon disulfide	ND	ND
Chloroethane	ND	ND
Chloroform	ND	ND
cis-1,2-Dichloroethylene	13.3	13.8
Cyclohexane	ND	ND
Isopropylbenzene	ND	ND
Methylcyclohexane	ND	ND
sec-Butylbenzene	ND	ND
tert-Amyl alcohol (TAA)	ND	ND
tert-Butyl alcohol (TBA)	ND	ND
tert-Butylbenzene	ND	ND
Tetrachloroethylene	ND	ND
Toluene	ND	ND
trans-1,2-Dichloroethylene	ND	ND
Trichloroethylene	1.36	1.49
Vinyl Chloride	6.21	6.44
Xylenes, Total	ND	ND
Semi-Volatiles 8270 SIM	ug/l	ug/l
1,4-Dioxane	8.19	9.89

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  
Groundwater Level Measurements - October 2025

Well (BR) = Bedrock Well	Date	Top of Casing Elevation (ft msl)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)	Well Depth* (ft bg)
DPW-2	10/27	NA	3.55	NA	12
FMW-2R	10/29	398.60	4.46	394.14	12
FMW-8	10/27	423.40	0.20	423.20	11
FMW-14	10/28	404.69	7.56	397.13	16
FMW-15	10/28	415.29	10.08	405.21	15
FMW-16	10/28	416.20	5.65	410.55	16
FMW-17	10/28	422.37	1.88	420.49	11
FMW-23 (BR)	10/28	423.72	0.90	422.82	43
FMW-24	10/29	394.21	3.68	390.53	9
FMW-25	10/27	375.35	6.15	369.20	13
FMW-26	10/27	404.79	7.64	397.15	16
FMW-31	11/3	428.37	11.14	417.23	22
FMW-35 (BR)	11/3	440.53	18.26	422.27	58
FMW-37	10/29	425.71	7.70	418.01	14
FMW-39	10/29	388.77	5.15	383.62	6
FMW-40	11/3	428.93	8.70	420.23	13
MW-3	10/29	409.54	11.35	398.19	18
MW-7S (BR)	10/29	409.16	9.00	400.16	25
MW-16	10/28	NA	5.18	NA	12
MW-43 (BR)	10/27	417.08	5.85	411.23	68
MW-44	10/27	417.66	6.94	410.72	18
MW-51 (BR)	10/28	421.83	6.59	415.24	52
MW-52 (BR)	10/28	414.60	16.52	398.08	72
MW-53 (BR)	10/28	423.48	6.21	417.27	96
MW-54 S	10/31	419.66	9.20	410.46	10
MW-54 D (BR)	10/31	425.14	14.95	410.19	77
MW-55 S	10/31	407.75	9.50	398.25	15
MW-55 D (BR)	10/31	411.68	16.22	395.46	47
MW-56 S	10/31	406.02	5.50	400.52	10
MW-56 D (BR)	11/3	387.55	6.13	381.42	82
MW-57 (BR)	10/27	401.44	7.63	393.81	82
MW-58 S	11/3	386.98	Dry	<365.48	20
MW-58 D	11/3	386.53	36.10	350.43	60
MW-59 S	11/3	387.12	5.50	381.62	15
MW-59 D (BR)	11/3	387.84	3.93	383.91	77
MW-60 (BR)	10/31	415.67	10.60	405.07	77
MW-61	10/28	426.27	1.46	424.81	12
MW-63	10/27	420.80	2.11	418.69	15
MW-64	10/29	418.77	2.32	416.45	15
XDDMW-10 (BR)	11/3	409.69	20.21	389.48	60
XDDMW-11 (BR)	11/3	409.19	19.30	389.89	40
Hangar E MW-1	10/29	396.36	11.15	385.21	20
Hangar E MW-4	10/29	396.53	11.08	385.45	20

\*Well Depths are reported well completion depths in feet below grade.

(ft msl) - feet above mean sea level

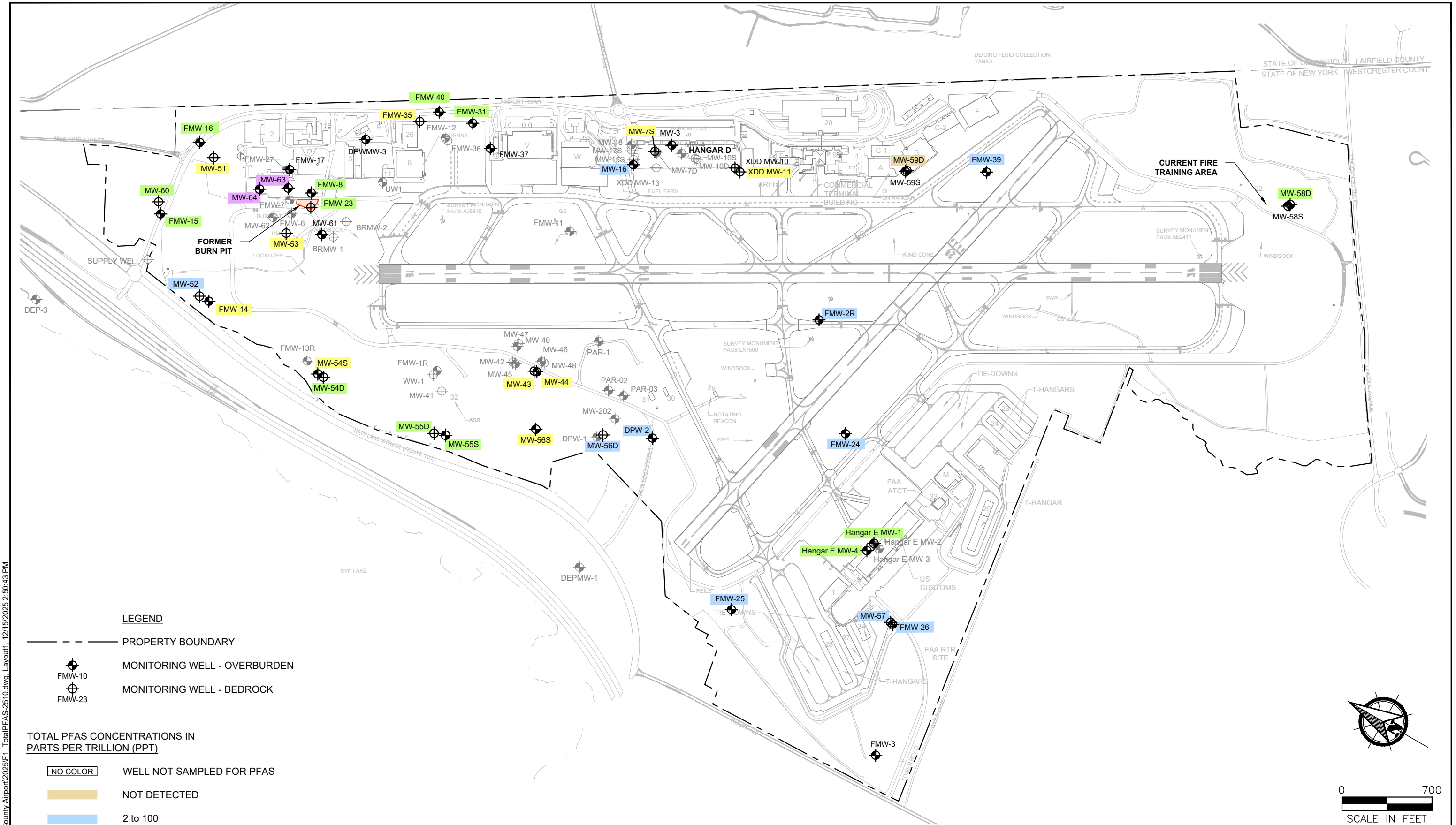
(ft btoc) - feet below top of casing

NA - Not Available

NM - Not Measured



## **FIGURES**

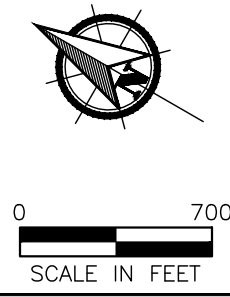


**LEGEND**

- PROPERTY BOUNDARY
- ⊕ FMW-10 MONITORING WELL - OVERBURDEN
- ⊕ FMW-23 MONITORING WELL - BEDROCK

**TOTAL PFAS CONCENTRATIONS IN PARTS PER TRILLION (PPT)**

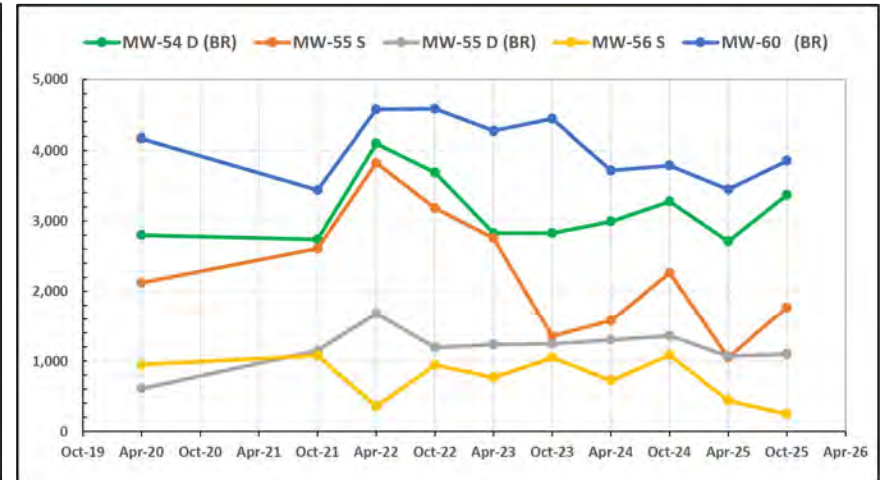
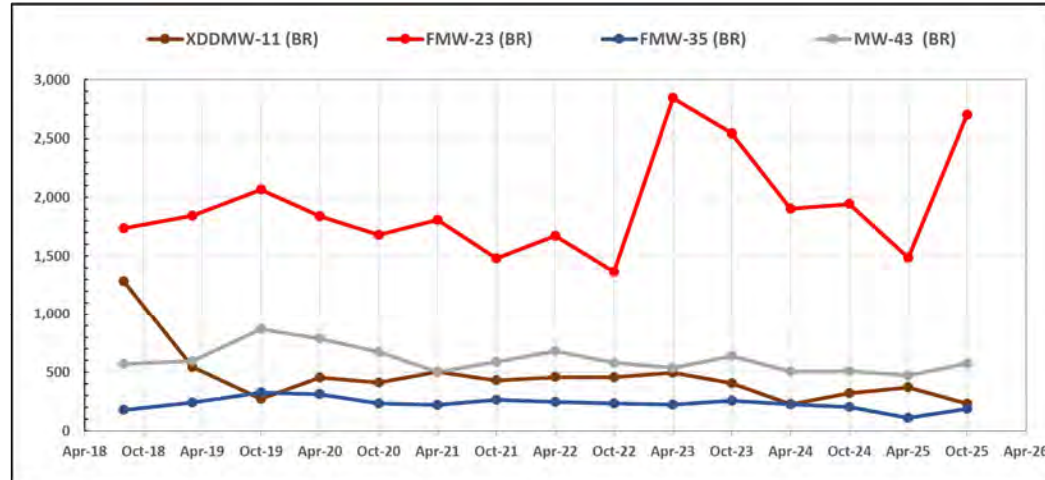
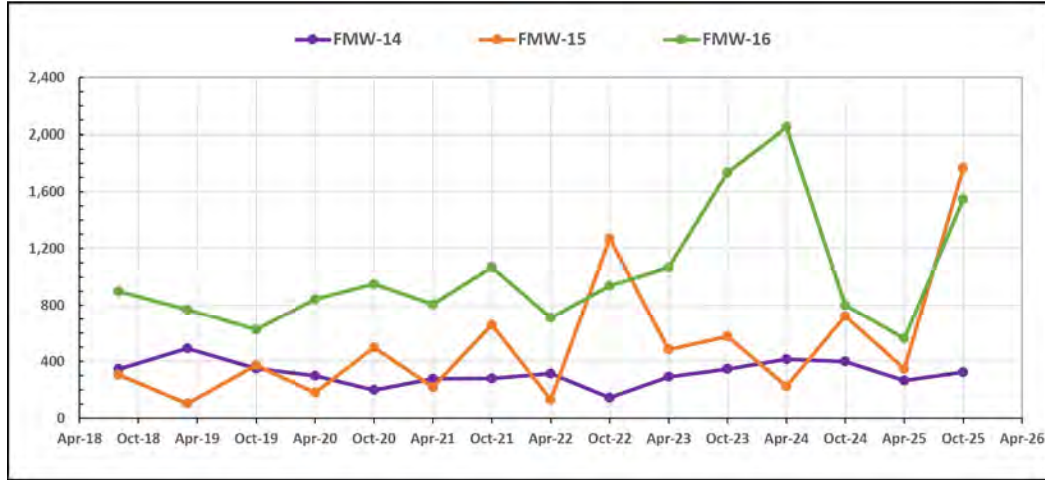
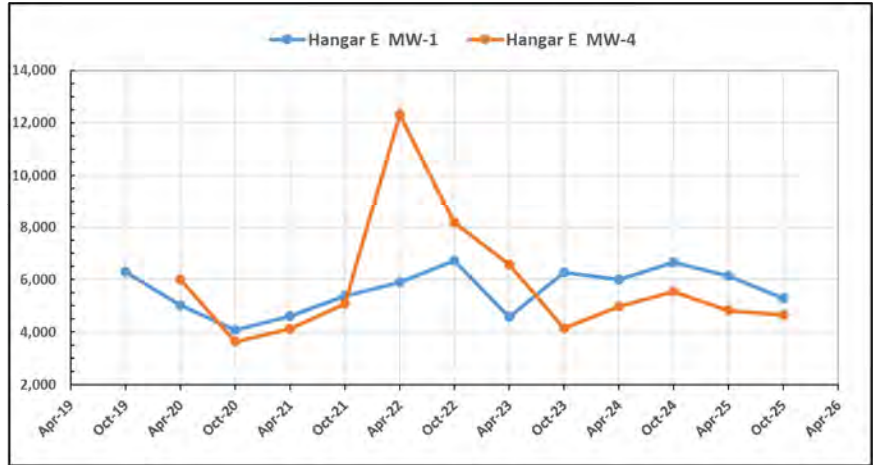
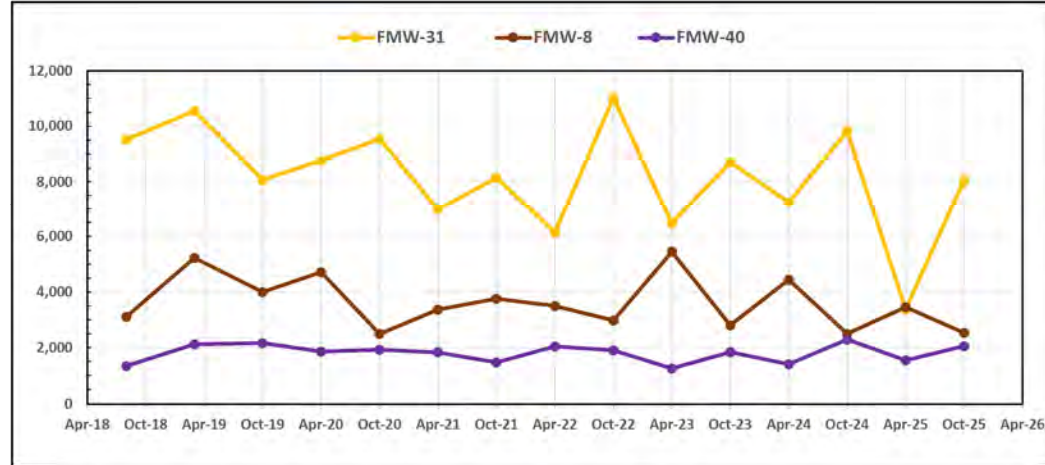
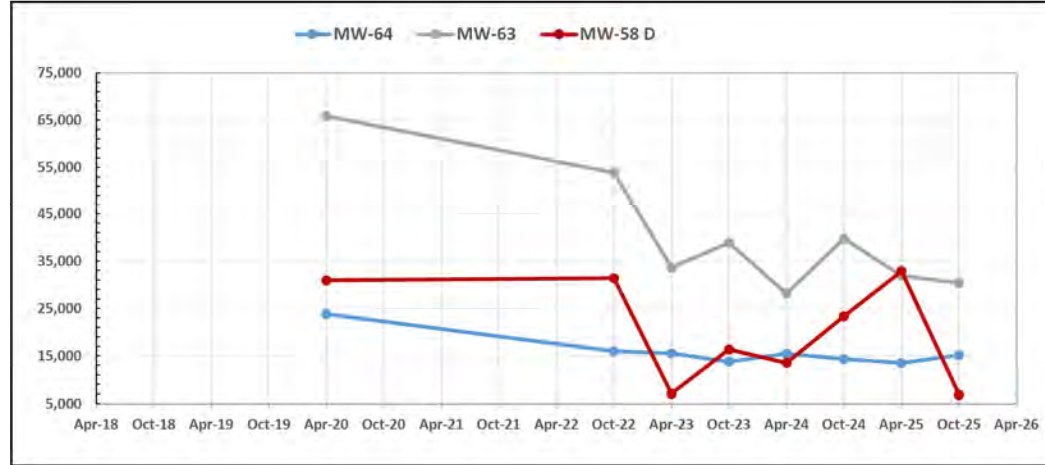
NO COLOR	WELL NOT SAMPLED FOR PFAS
Yellow	NOT DETECTED
Light Blue	2 to 100
Yellow-Green	101 to 1,000
Green	1,001 to 10,000
Purple	10,001 to maximum (30,368)



O:\DWG\Westchester County Airport\2025\F1\_Totals\FAS-2510.dwg, Layout1, 12/15/2025 2:50:43 PM

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

<p>WSP USA, Inc. 500 Summit Lake Drive Suite 450 Valhalla, New York 10595 (914) 747-1120</p>	Drawn By: RAC	<p><b>Westchester County Airport</b> White Plains, New York</p>	<p>TOTAL PFAS CONCENTRATIONS - OCTOBER 2025</p>
	Checked: JB		
	Approved: JB		<p>FIGURE 1</p>
	DWG Date: 12/15/25		



**LEGEND:**

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



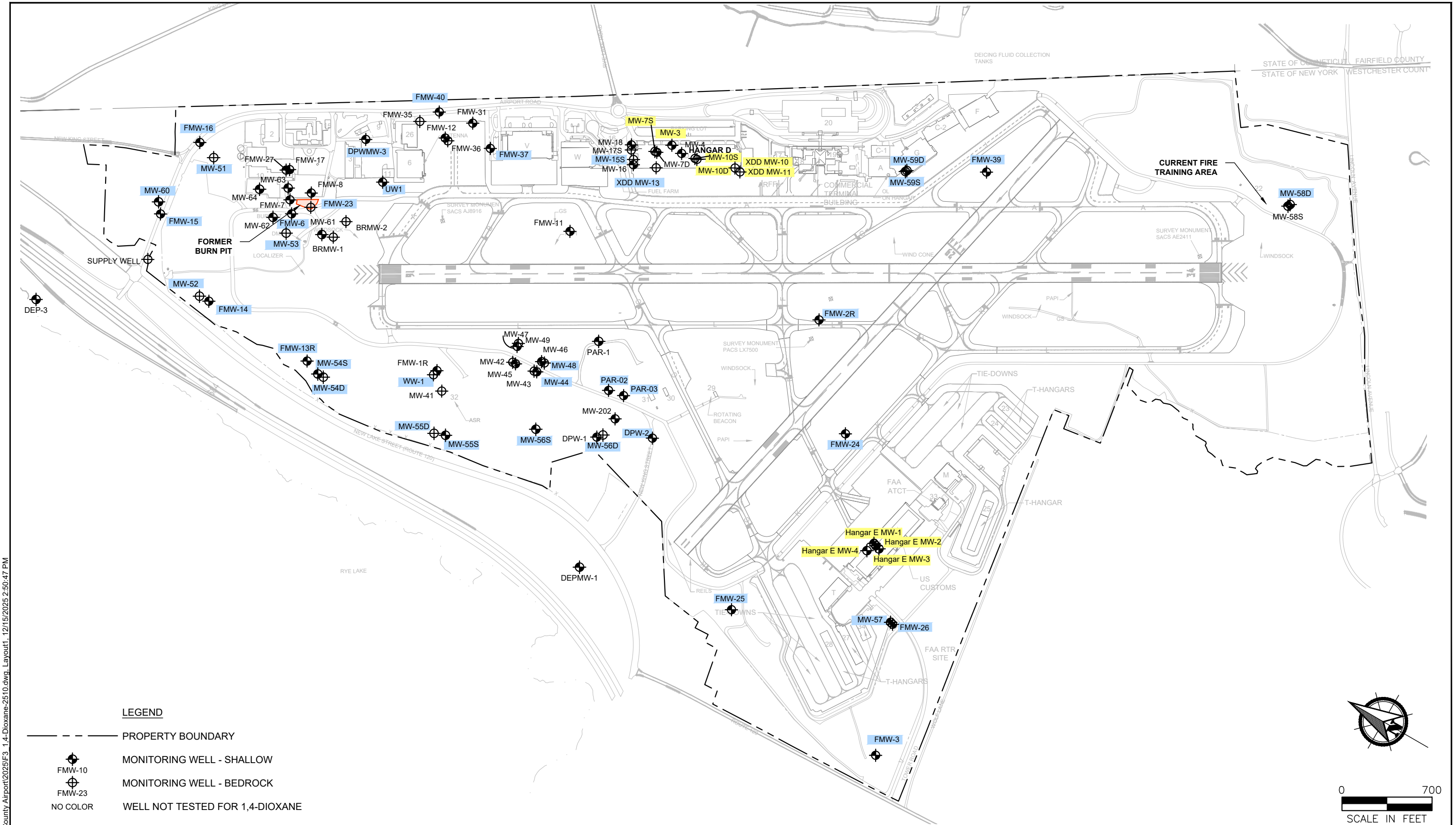
WSP USA, Inc.  
 500 Summit Lake Drive  
 Suite 450  
 Valhalla, New York 10595  
 (914) 747-1120

Drawn By: RAC  
 Checked: JB  
 Approved: JB  
 DWG Date: 12/15/25

Westchester County Airport  
 White Plains, New York

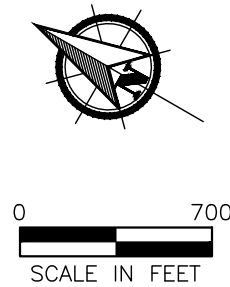
TOTAL PFAS CONCENTRATIONS  
 OVER TIME

FIGURE 2



**LEGEND**

- PROPERTY BOUNDARY
- ⊕ MONITORING WELL - SHALLOW
- ⊕ MONITORING WELL - BEDROCK
- NO COLOR WELL NOT TESTED FOR 1,4-DIOXANE
- 1,4-DIOXANE DETECTED
- 1,4-DIOXANE NOT DETECTED

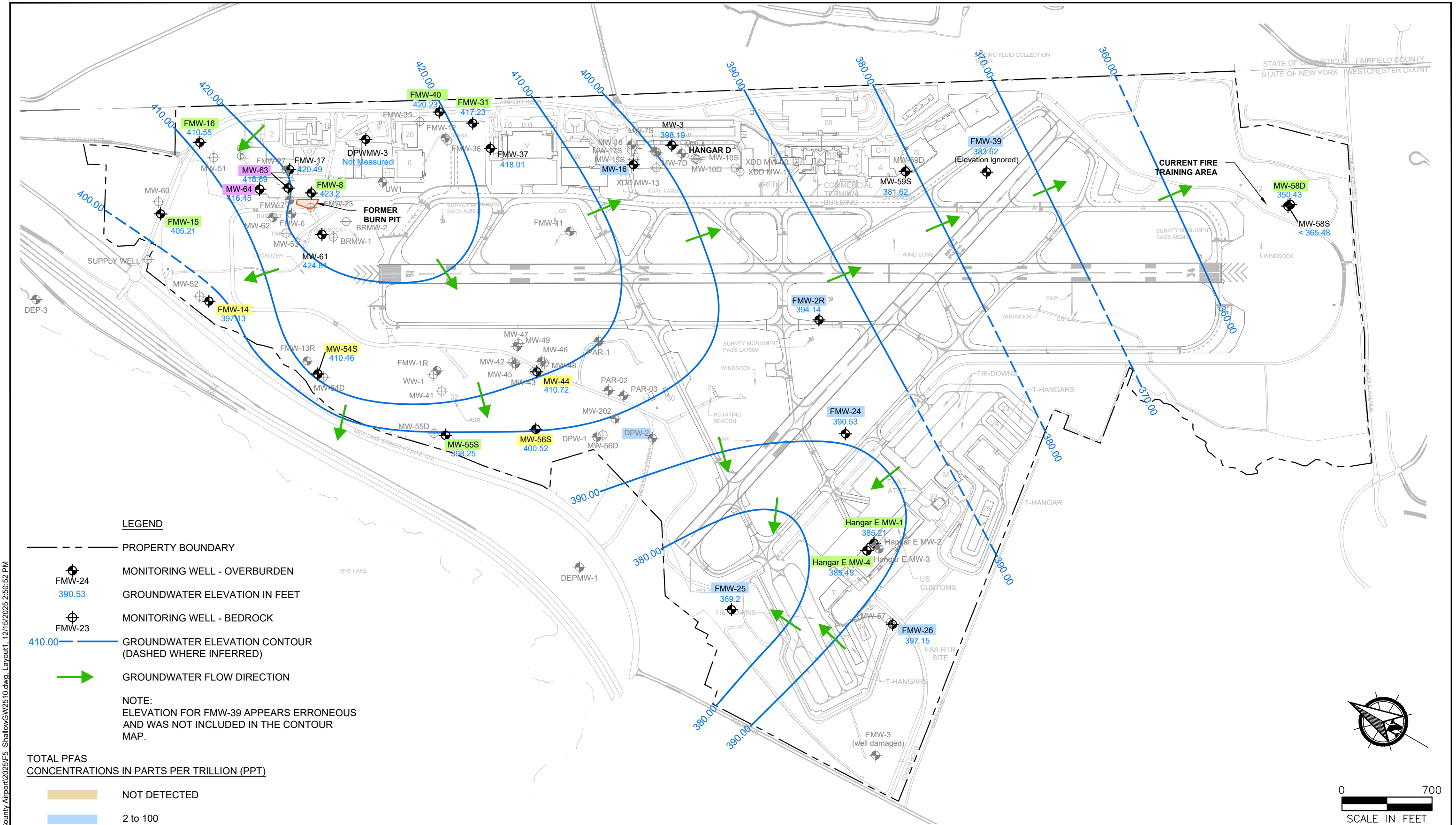


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**B** SOURCE: DY CONSULTANTS TEAM "EXISTING AIRPORT LAYOUT DRAWING", DATED ISSUED DEC 2017, SHEET 3 OF 16.

	WSP USA, Inc. 500 Summit Lake Drive Suite 450 Valhalla, New York 10595 (914) 747-1120	Drawn By: RAC	<h2 style="margin: 0;">Westchester County Airport</h2> <h3 style="margin: 0;">White Plains, New York</h3>	<h2 style="margin: 0;">WELLS SAMPLED FOR 1,4-DIOXANE</h2> <h3 style="margin: 0;">2018 - 2025</h3>
	Checked: JB	<h2 style="margin: 0;">FIGURE 3</h2>		
	Approved: JB			
	DWG Date: 12/15/25			





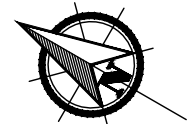
**LEGEND**

- PROPERTY BOUNDARY
- MONITORING WELL - OVERBURDEN  
GROUNDWATER ELEVATION IN FEET
- MONITORING WELL - BEDROCK
- 410.00 — GROUNDWATER ELEVATION CONTOUR  
(DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

NOTE:  
ELEVATION FOR FMW-39 APPEARS ERRONEOUS  
AND WAS NOT INCLUDED IN THE CONTOUR  
MAP.

**TOTAL PFAS  
CONCENTRATIONS IN PARTS PER TRILLION (PPT)**

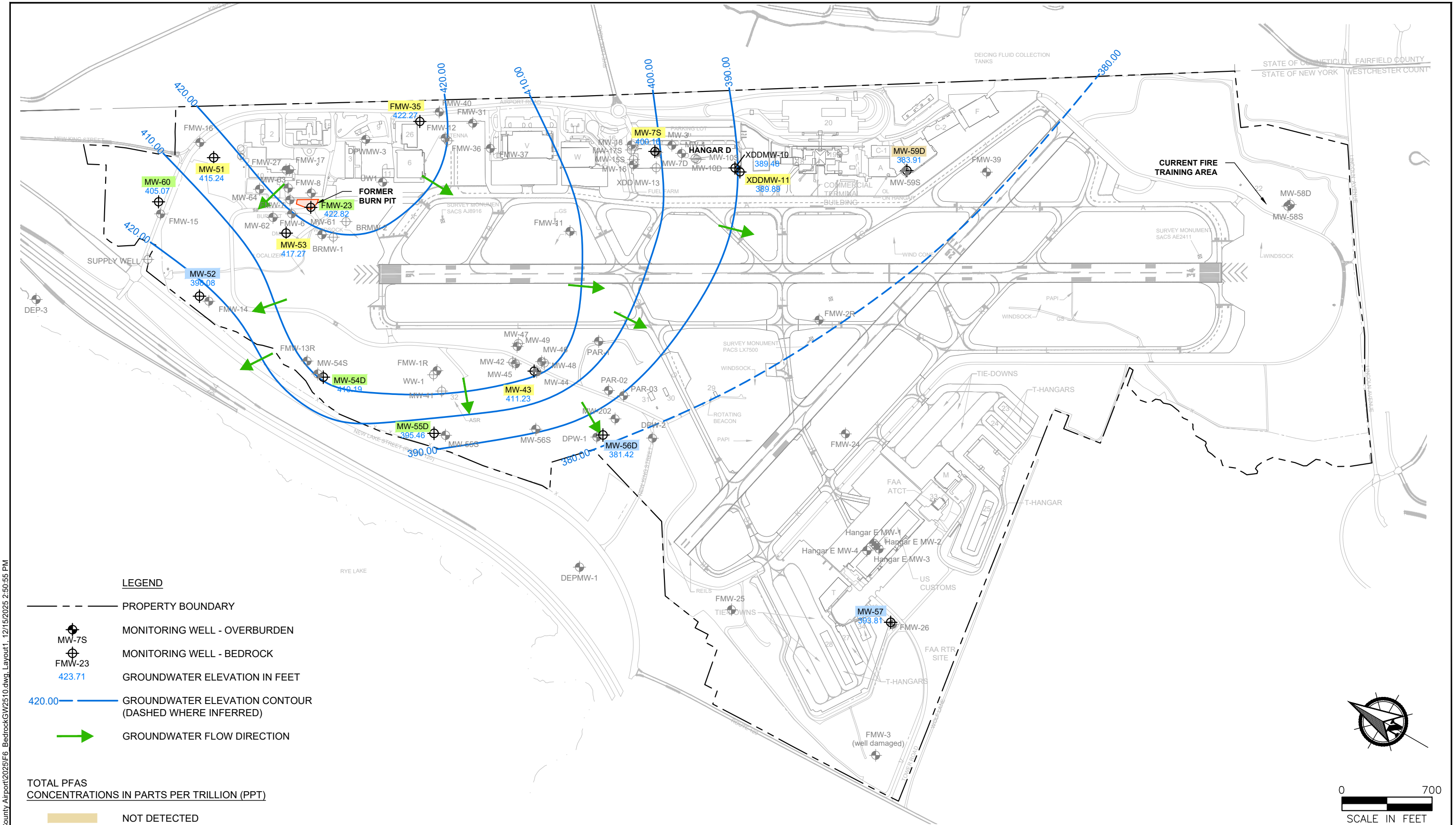
- NOT DETECTED
- 2 to 100
- 101 to 1,000
- 1,001 to 10,000
- 10,001 to maximum



O:\DWG\Westchester County Airport\2025\F5 - ShallowGW2510.dwg, Layout1, 12/15/2025 2:50:52 PM

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

<p>WSP USA, Inc. 500 Summit Lake Drive Suite 450 Valhalla, New York 10595 (914) 747-1120</p>	Drawn By: 12/15/25	<p><b>Westchester County Airport</b> White Plains, New York</p>	<p>SHALLOW AQUIFER GROUNDWATER CONTOUR MAP - OCTOBER 2025</p>
	Checked: JB		
	Approved: JB		
	DWG Date: 12/15/25		
FIGURE 5			



- LEGEND**
- PROPERTY BOUNDARY
  - ⊕ MW-7S MONITORING WELL - OVERBURDEN
  - ⊕ FMW-23 MONITORING WELL - BEDROCK
  - 423.71 GROUNDWATER ELEVATION IN FEET
  - 420.00 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
  - GROUNDWATER FLOW DIRECTION

**TOTAL PFAS CONCENTRATIONS IN PARTS PER TRILLION (PPT)**

	NOT DETECTED
	2 to 100
	101 to 1,000
	1,001 to 10,000

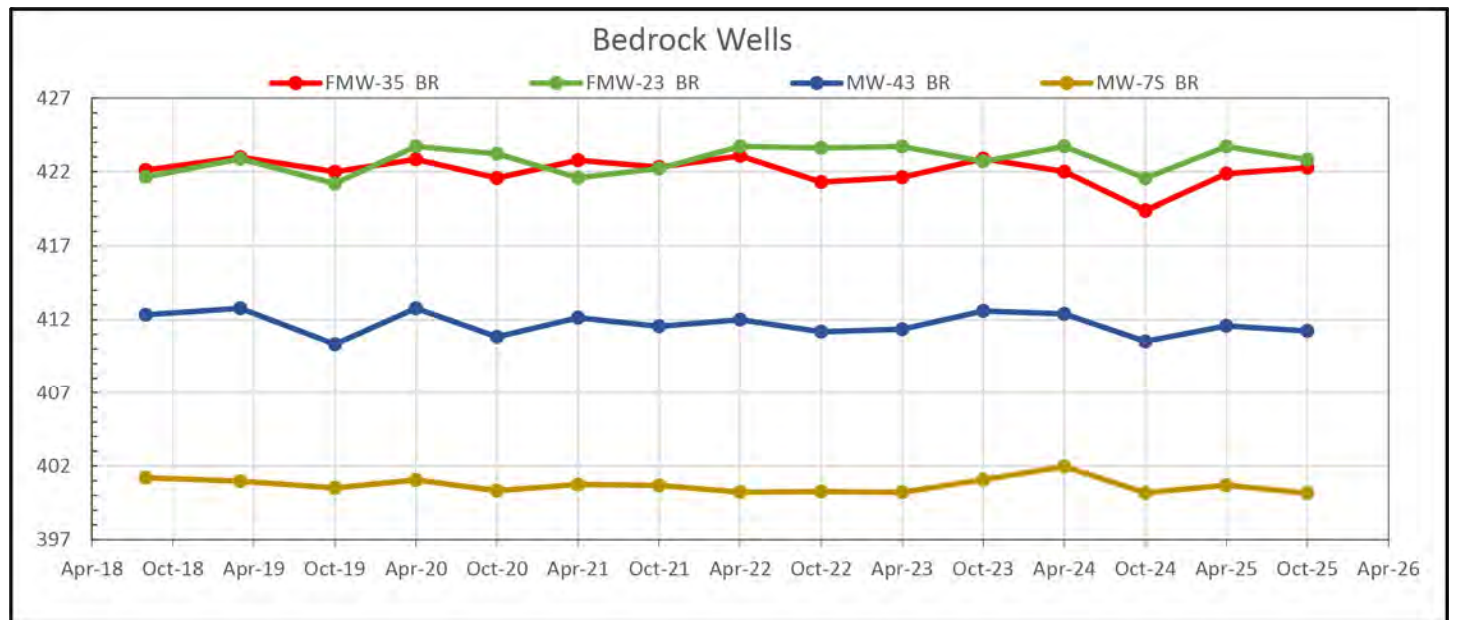
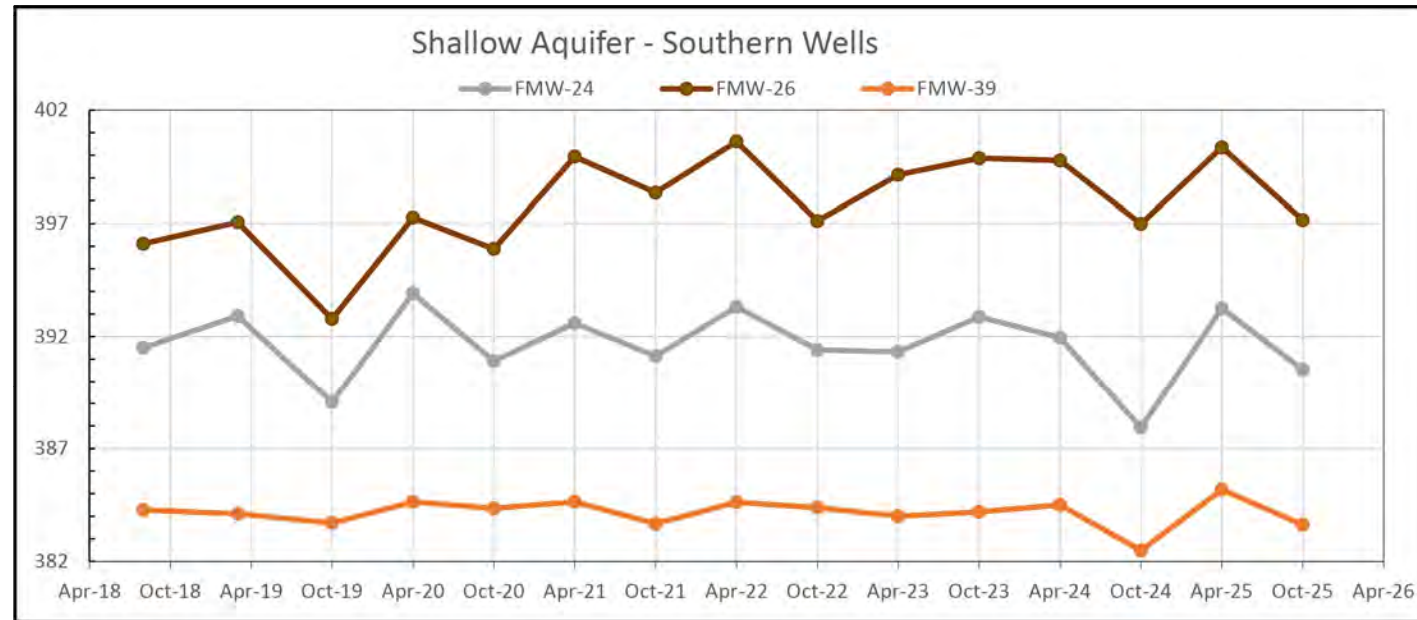
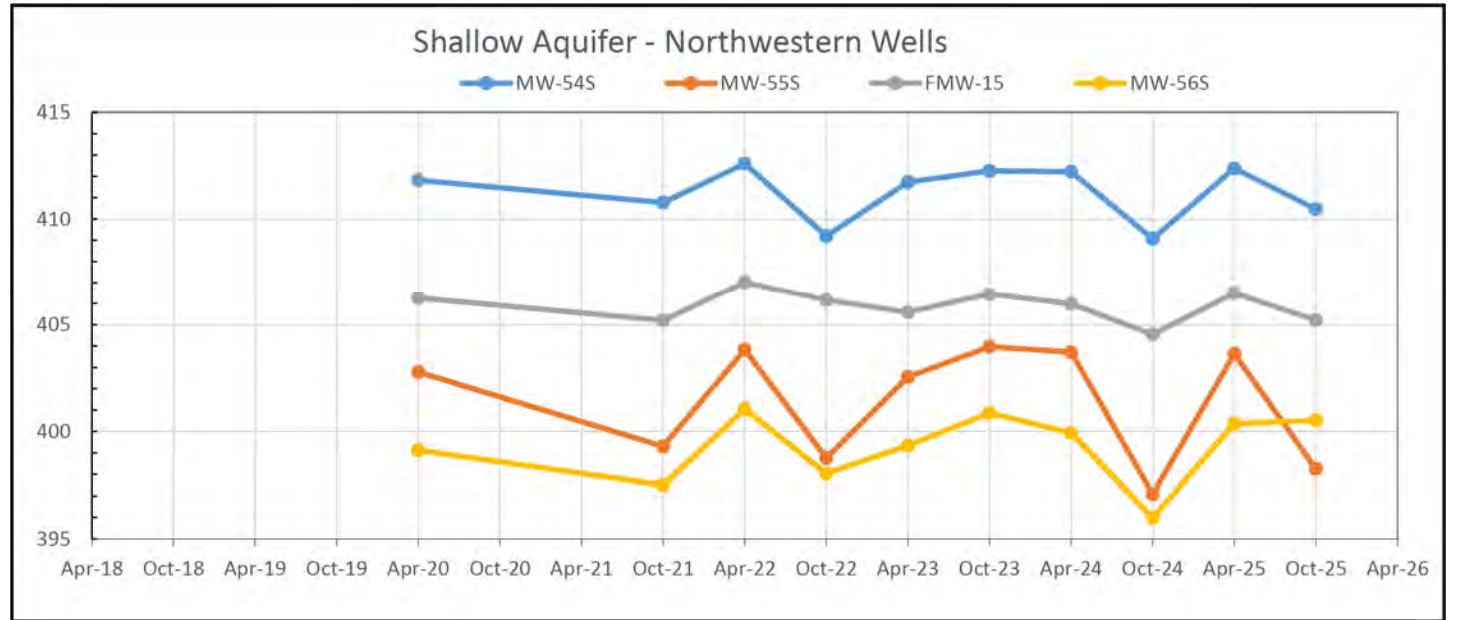
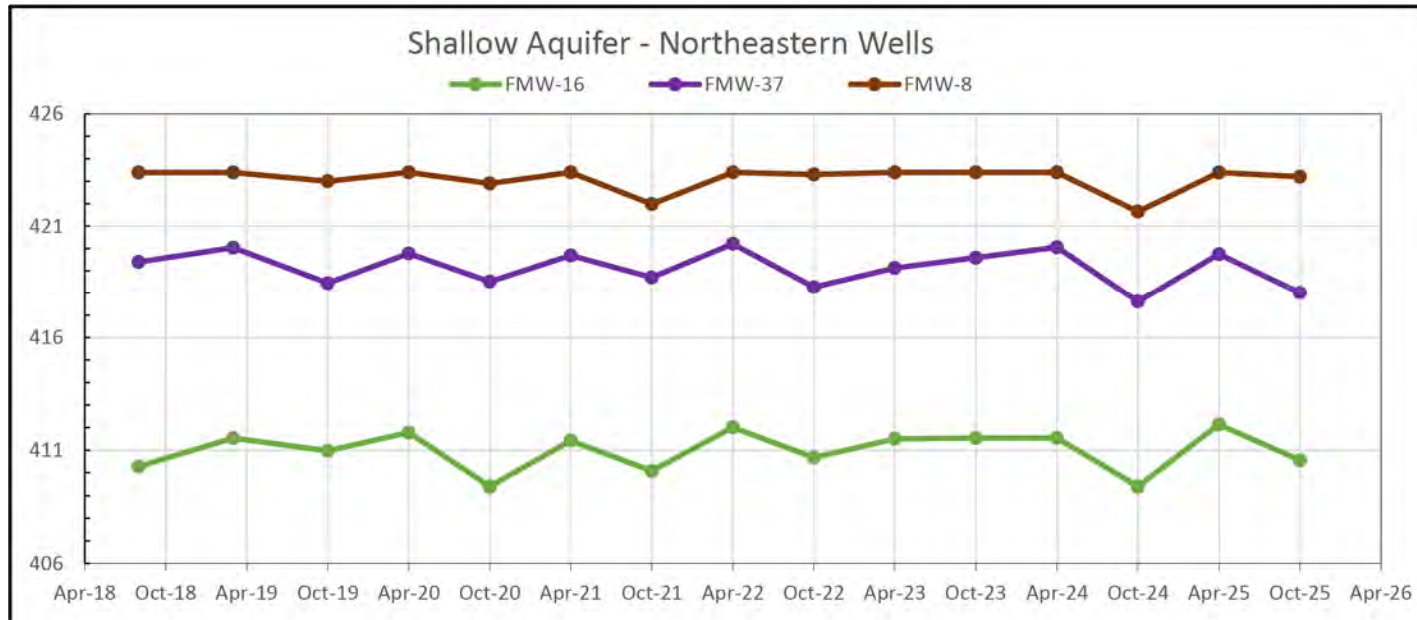
**B** SOURCE: DY CONSULTANTS TEAM "EXISTING AIRPORT LAYOUT DRAWING", DATED ISSUED DEC 2017, SHEET 3 OF 16.

<p>WSP USA, Inc. 500 Summit Lake Drive Suite 450 Valhalla, New York 10595 (914) 747-1120</p>	Drawn By: 12/15/25	<p><b>Westchester County Airport</b> White Plains, New York</p>	<p>BEDROCK AQUIFER GROUNDWATER CONTOUR MAP - OCTOBER 2025</p>
	Checked: JB		
	Approved: JB		
	DWG Date: 12/15/25		
<p>0 700 SCALE IN FEET</p>		<p>FIGURE 6</p>	

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**B**



**LEGEND:**

X-AXIS UNITS ARE MONTH AND YEAR

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



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

Drawn By:	RAC
Checked:	JB
Approved:	JB
DWG Date:	12/15/25

Westchester County Airport  
White Plains, New York

HISTORICAL WATER LEVEL ELEVATIONS

FIGURE 7



## **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: 12/10/2025

**Client Project ID: Westchester County Airport (WCA)**

York Project (SDG) No.: 25J1654

Revision No. 1.0

Report Date: 12/10/2025  
 Client Project ID: Westchester County Airport (WCA)  
 York Project (SDG) No.: 25J1654

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

---

**Purpose and Results**

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 28, 2025 and listed below. The project was identified as your project: **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.

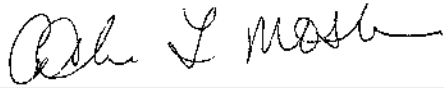
Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
25J1654-01	DPW-2	Ground Water	10/27/2025	10/28/2025
25J1654-02	FMW-25	Ground Water	10/27/2025	10/28/2025
25J1654-03	FMW-26	Ground Water	10/27/2025	10/28/2025
25J1654-04	MW-57	Ground Water	10/27/2025	10/28/2025
25J1654-05	MW-43	Ground Water	10/27/2025	10/28/2025
25J1654-06	MW-44	Ground Water	10/27/2025	10/28/2025
25J1654-07	MW-63	Ground Water	10/27/2025	10/28/2025
25J1654-08	Field Duplicate	Ground Water	10/27/2025	10/28/2025
25J1654-09	FMW-8	Ground Water	10/27/2025	10/28/2025
25J1654-10	Field Blank	Ground Water	10/27/2025	10/28/2025
25J1654-11	Trip Blank	Water	10/27/2025	10/28/2025

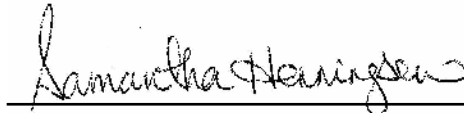
**General Notes for York Project (SDG) No.: 25J1654**

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 NYDOH-NY10854, NJDEP-CT005, PADEP-68-04440, CTDPH-PH0840; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NYDOH-NY12058, NJDEP-NY037, CTDPH-PH0837, NHDES-NH2097, MDDEP-375, PADEP-68-06231.

**Approved By:**



Cassie Mosher  
Laboratory Manager Stratford



Samantha Henningsen  
Laboratory Director - Queens

**Date:** 12/10/2025



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1654-01
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/28/2025
<b>Client Sample ID:</b> DPW-2	<b>Collection Date/Time:</b> 10/27/25 11:15

<b>Lab ID:</b> 25J1654-01	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
* 1,2,4,5-Tetramethylbenzene	ND	QL-02	0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,3-Dichlorobenzene	ND	QL-02	0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Acetone	1.45		1.34	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Acrolein	ND		0.447	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	DPW-2	<b>Collection Date/Time:</b>	10/27/25 11:15

<b>Lab ID:</b>	25J1654-01	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	Volatile Organic Compounds by GC/MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Bromomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Chloroethane	ND	CCVE	0.448	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Dichlorodifluoromethane	ND	CCVE	0.451	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
* Iodomethane	ND	CCVE, QL-02	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	DPW-2	<b>Collection Date/Time:</b>	10/27/25 11:15

<b>Lab ID:</b>	<b>25J1654-01</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
n-Butylbenzene	ND		0.399	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
* p-Ethyltoluene	ND	QL-02	0.200	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Tetrachloroethylene	ND	CCVE, QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 15:39	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %		69-130	EPA 8260D	11/1/25 15:39
Surrogate: SURRE: Toluene-d8	117 %		81-117	EPA 8260D	11/1/25 15:39
Surrogate: SURRE: p-Bromofluorobenzene	102 %		79-122	EPA 8260D	11/1/25 15:39



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	DPW-2	<b>Collection Date/Time:</b>	10/27/25 11:15

<b>Lab ID:</b>	<b>25J1654-01</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		16.0	17.7	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluorohexanoic acid (PFHxA)	<b>20.3</b>		5.00	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoroheptanoic acid (PFHpA)	<b>14.9</b>	J	7.00	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluorohexanesulfonic acid (PFHxS)	<b>13.2</b>	J	8.90	18.3	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluorooctanoic acid (PFOA)	<b>12.8</b>	J	10.0	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluorooctanesulfonic acid (PFOS)	ND		7.60	18.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluorononanoic acid (PFNA)	<b>12.1</b>	J	9.90	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluorodecanoic acid (PFDA)	ND		5.70	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoroundecanoic acid (PFUnA)	ND		7.10	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluorododecanoic acid (PFDoA)	ND		6.00	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluorotridecanoic acid (PFTrDA)	ND		12.0	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluorotetradecanoic acid (PFTA)	ND		15.8	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
N-MeFOSAA	ND		5.00	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
N-EtFOSAA	ND		50.0	50.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoropentanoic acid (PFPeA)	<b>39.9</b>	J	8.90	40.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		3.70	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		3.10	19.1	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		6.20	19.3	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		50.0	76.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		22.5	76.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoro-n-butanoic acid (PFBA)	ND		16.3	80.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		5.00	35.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		30.0	40.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		7.00	40.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		14.0	40.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		7.50	18.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	DPW-2	<b>Collection Date/Time:</b>	10/27/25 11:15

<b>Lab ID:</b>	25J1654-01	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		28.2	75.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
HFPO-DA (Gen-X)	ND		50.0	80.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
11CL-PF3OUdS	ND		22.3	75.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
9CL-PF3ONS	ND		27.5	74.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
ADONA	ND		29.7	75.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		8.90	19.4	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		7.50	19.2	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		23.6	100	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		250	500	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		231	500	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
N-MeFOSE	ND		71.0	200	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
N-MeFOSA	ND		20.0	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
N-EtFOSE	ND		72.8	200	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM
N-EtFOSA	ND		10.5	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:24	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	83.6 %		40-135	EPA 1633A	11/2/25 06:24
Surrogate: M5PFHxA	76.3 %		40-130	EPA 1633A	11/2/25 06:24
Surrogate: M4PFHpA	89.3 %		40-130	EPA 1633A	11/2/25 06:24
Surrogate: M3PFHxS	80.3 %		40-130	EPA 1633A	11/2/25 06:24
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	76.3 %		40-130	EPA 1633A	11/2/25 06:24
Surrogate: M6PFDA	66.2 %		40-130	EPA 1633A	11/2/25 06:24
Surrogate: M7PFUdA	51.1 %		30-130	EPA 1633A	11/2/25 06:24
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	38.2 %		10-130	EPA 1633A	11/2/25 06:24
Surrogate: M2PFTeDA	14.6 %		10-130	EPA 1633A	11/2/25 06:24
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	8.92 %		5-130	EPA 1633A	11/2/25 06:24
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	67.8 %		40-130	EPA 1633A	11/2/25 06:24
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	64.8 %		40-130	EPA 1633A	11/2/25 06:24
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	72.0 %		40-130	EPA 1633A	11/2/25 06:24
Surrogate: d3-N-MeFOSAA	56.5 %		40-170	EPA 1633A	11/2/25 06:24



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	DPW-2	<b>Collection Date/Time:</b>	10/27/25 11:15

<b>Lab ID:</b>	<b>25J1654-01</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d5-N-EtFOSAA	48.2 %		25-135	EPA 1633A	11/2/25 06:24
Surrogate: M2-6:2 FTS	92.9 %		40-200	EPA 1633A	11/2/25 06:24
Surrogate: M2-8:2 FTS	77.9 %		40-300	EPA 1633A	11/2/25 06:24
Surrogate: M9PFNA	83.1 %		40-130	EPA 1633A	11/2/25 06:24
Surrogate: M2-4:2 FTS	102 %		40-200	EPA 1633A	11/2/25 06:24
Surrogate: d-N-MeFOSA	56.1 %		10-130	EPA 1633A	11/2/25 06:24
Surrogate: d-N-EtFOSA	42.9 %		10-130	EPA 1633A	11/2/25 06:24
Surrogate: M3HFPO-DA	78.3 %		40-130	EPA 1633A	11/2/25 06:24
Surrogate: d9-N-EtFOSE	14.8 %		10-130	EPA 1633A	11/2/25 06:24
Surrogate: d7-N-MeFOSE	20.5 %		10-130	EPA 1633A	11/2/25 06:24

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-25	<b>Collection Date/Time:</b>	10/27/25 11:50

<b>Lab ID:</b>	<b>25J1654-02</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
* 1,2,4,5-Tetramethylbenzene	ND	QL-02	0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-25	<b>Collection Date/Time:</b>	10/27/25 11:50

<b>Lab ID:</b>	25J1654-02	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	Volatile Organic Compounds by GC/MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,3-Dichlorobenzene	ND	QL-02	0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Acrolein	ND		0.447	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Bromomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Chloroethane	ND	CCVE	0.448	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-25	<b>Collection Date/Time:</b>	10/27/25 11:50

<b>Lab ID:</b>	25J1654-02	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	Volatile Organic Compounds by GC/MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Dichlorodifluoromethane	ND	CCVE	0.451	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
* Iodomethane	ND	CCVE, QL-02	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
n-Butylbenzene	ND		0.399	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
* p-Ethyltoluene	ND	QL-02	0.200	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-25	<b>Collection Date/Time:</b>	10/27/25 11:50

<b>Lab ID:</b>	<b>25J1654-02</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Tetrachloroethylene	ND	CCVE, QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:09	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	104 %		69-130	EPA 8260D	11/1/25 16:09
Surrogate: SURRE: Toluene-d8	115 %		81-117	EPA 8260D	11/1/25 16:09
Surrogate: SURRE: p-Bromofluorobenzene	99.8 %		79-122	EPA 8260D	11/1/25 16:09

<b>Lab ID:</b>	<b>25J1654-02</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.69	1.88	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluorohexanoic acid (PFHxA)	ND		0.530	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoroheptanoic acid (PFHpA)	ND		0.742	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluorohexanesulfonic acid (PFHxS)	<b>2.42</b>		0.943	1.94	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluorooctanoic acid (PFOA)	<b>3.61</b>		1.06	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluorooctanesulfonic acid (PFOS)	<b>3.47</b>		0.805	1.97	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluorononanoic acid (PFNA)	ND		1.05	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluorodecanoic acid (PFDA)	ND		0.604	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.752	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1654-02
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/28/2025
<b>Client Sample ID:</b> FMW-25	<b>Collection Date/Time:</b> 10/27/25 11:50

<b>Lab ID:</b> 25J1654-02	<b>Laboratory:</b> Queens
<b>Analysis:</b> PFAS Target compounds by LC/MS-MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 1633 Prep	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorododecanoic acid (PFDoA)	ND		0.636	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluorotridecanoic acid (PFTTrDA)	ND		1.27	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.67	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
N-MeFOSAA	ND		0.530	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
N-EtFOSAA	ND		5.30	5.30	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoropentanoic acid (PFPeA)	ND		0.943	4.24	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.392	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.328	2.02	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.657	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.49	J	5.30	8.05	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.38	8.14	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoro-n-butanoic acid (PFBA)	ND		1.73	8.47	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		0.530	3.77	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.18	4.24	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.742	4.24	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.48	4.24	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.794	1.99	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.99	7.94	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
HFPO-DA (Gen-X)	ND		5.30	8.47	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
11CL-PF3OUdS	ND		2.36	8.01	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
9CL-PF3ONS	ND		2.91	7.92	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
ADONA	ND		3.15	8.01	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.943	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.794	2.03	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.50	10.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		26.5	53.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-25	<b>Collection Date/Time:</b>	10/27/25 11:50

<b>Lab ID:</b>	25J1654-02	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		24.4	53.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
N-MeFOSE	ND		7.52	21.2	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
N-MeFOSA	ND		2.12	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
N-EtFOSE	ND		7.71	21.2	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM
N-EtFOSA	ND		1.11	2.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:39	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	68.7 %		40-135	EPA 1633A	11/2/25 06:39
Surrogate: M5PFHxA	73.3 %		40-130	EPA 1633A	11/2/25 06:39
Surrogate: M4PFHpA	76.6 %		40-130	EPA 1633A	11/2/25 06:39
Surrogate: M3PFHxS	79.8 %		40-130	EPA 1633A	11/2/25 06:39
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	69.4 %		40-130	EPA 1633A	11/2/25 06:39
Surrogate: M6PFDA	60.0 %		40-130	EPA 1633A	11/2/25 06:39
Surrogate: M7PFUdA	47.7 %		30-130	EPA 1633A	11/2/25 06:39
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	34.0 %		10-130	EPA 1633A	11/2/25 06:39
Surrogate: M2PFTeDA	16.2 %		10-130	EPA 1633A	11/2/25 06:39
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	31.9 %		5-130	EPA 1633A	11/2/25 06:39
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	74.3 %		40-130	EPA 1633A	11/2/25 06:39
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	59.7 %		40-130	EPA 1633A	11/2/25 06:39
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	66.6 %		40-130	EPA 1633A	11/2/25 06:39
Surrogate: d3-N-MeFOSAA	54.6 %		40-170	EPA 1633A	11/2/25 06:39
Surrogate: d5-N-EtFOSAA	46.2 %		25-135	EPA 1633A	11/2/25 06:39
Surrogate: M2-6:2 FTS	119 %		40-200	EPA 1633A	11/2/25 06:39
Surrogate: M2-8:2 FTS	84.5 %		40-300	EPA 1633A	11/2/25 06:39
Surrogate: M9PFNA	79.9 %		40-130	EPA 1633A	11/2/25 06:39
Surrogate: M2-4:2 FTS	125 %		40-200	EPA 1633A	11/2/25 06:39
Surrogate: d-N-MeFOSA	35.6 %		10-130	EPA 1633A	11/2/25 06:39
Surrogate: d-N-EtFOSA	28.8 %		10-130	EPA 1633A	11/2/25 06:39
Surrogate: M3HFPO-DA	69.8 %		40-130	EPA 1633A	11/2/25 06:39
Surrogate: d9-N-EtFOSE	25.9 %		10-130	EPA 1633A	11/2/25 06:39
Surrogate: d7-N-MeFOSE	32.4 %		10-130	EPA 1633A	11/2/25 06:39



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-25	<b>Collection Date/Time:</b>	10/27/25 11:50

<b>Lab ID:</b>	<b>25J1654-02</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Gas Chromatography/Flame Ionization Detector</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: Preparation for GC Analysis		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
* Ethylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	10/29/25 8:00	10/29/25 10:17	GXB
* Propylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	10/29/25 8:00	10/29/25 10:17	GXB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: 1,4-Butanediol			30-130	GC/FID	10/29/25 10:17

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-26	<b>Collection Date/Time:</b>	10/27/25 12:30

<b>Lab ID:</b>	<b>25J1654-03</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.73	1.91	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluorohexanoic acid (PFHxA)	<b>1.19</b>	J	0.540	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluoroheptanoic acid (PFHpA)	<b>0.970</b>	J	0.756	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluorohexanesulfonic acid (PFHxS)	<b>2.20</b>		0.961	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluorooctanoic acid (PFOA)	<b>4.07</b>		1.08	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluorooctanesulfonic acid (PFOS)	<b>22.1</b>		0.821	2.01	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluorononanoic acid (PFNA)	ND		1.07	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluorodecanoic acid (PFDA)	ND		0.616	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.767	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluorododecanoic acid (PFDoA)	ND		0.648	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluorotridecanoic acid (PFTTrDA)	ND		1.30	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.71	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
N-MeFOSAA	ND		0.540	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM
N-EtFOSAA	ND		5.40	5.40	1	ng/L	EPA 1633A	10/29/25 14:48	11/ 2/25 06:53	AM



**Client:** WSP USA, Inc. (White Plains, NY) **York Sample ID:** 25J1654-03  
**Client Project:** Westchester County Airport (WCA) **Date Received:** 10/28/2025  
**Client Sample ID:** FMW-26 **Collection Date/Time:** 10/27/25 12:30

**Lab ID:** 25J1654-03 **Laboratory:** Queens  
**Analysis:** PFAS Target compounds by LC/MS-MS **Matrix:** Ground Water  
**Prep Method:** Sample Prepared by Method: EPA 1633 Prep

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluoropentanoic acid (PFPeA)	1.52	J	0.961	4.32	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.400	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.335	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.670	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5.40	8.21	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.43	8.29	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluoro-n-butanoic acid (PFBA)	ND		1.76	8.64	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.540	3.84	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.24	4.32	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.756	4.32	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.51	4.32	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.810	2.03	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		3.05	8.10	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
HFPO-DA (Gen-X)	ND		5.40	8.64	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
11CL-PF3OUdS	ND		2.41	8.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
9CL-PF3ONS	ND		2.97	8.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
ADONA	ND		3.21	8.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.961	2.10	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.810	2.07	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.55	10.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		27.0	54.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		24.9	54.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
N-MeFOSE	ND		7.67	21.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
N-MeFOSA	ND		2.16	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
N-EtFOSE	ND		7.86	21.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM
N-EtFOSA	ND		1.13	2.16	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 06:53	AM



**Client:** WSP USA, Inc. (White Plains, NY) **York Sample ID:** 25J1654-03  
**Client Project:** Westchester County Airport (WCA) **Date Received:** 10/28/2025  
**Client Sample ID:** FMW-26 **Collection Date/Time:** 10/27/25 12:30

**Lab ID:** 25J1654-03 **Laboratory:** Queens  
**Analysis:** PFAS Target compounds by LC/MS-MS **Matrix:** Ground Water  
**Prep Method:** Sample Prepared by Method: EPA 1633 Prep

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	91.1 %		40-135	EPA 1633A	11/2/25 06:53
Surrogate: M5PFHxA	84.6 %		40-130	EPA 1633A	11/2/25 06:53
Surrogate: M4PFHpA	92.0 %		40-130	EPA 1633A	11/2/25 06:53
Surrogate: M3PFHxS	82.7 %		40-130	EPA 1633A	11/2/25 06:53
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.3 %		40-130	EPA 1633A	11/2/25 06:53
Surrogate: M6PFDA	73.9 %		40-130	EPA 1633A	11/2/25 06:53
Surrogate: M7PFUdA	49.1 %		30-130	EPA 1633A	11/2/25 06:53
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	35.2 %		10-130	EPA 1633A	11/2/25 06:53
Surrogate: M2PFTeDA	21.5 %		10-130	EPA 1633A	11/2/25 06:53
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	71.1 %		5-130	EPA 1633A	11/2/25 06:53
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	82.5 %		40-130	EPA 1633A	11/2/25 06:53
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	77.7 %		40-130	EPA 1633A	11/2/25 06:53
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	83.4 %		40-130	EPA 1633A	11/2/25 06:53
Surrogate: d3-N-MeFOSAA	53.3 %		40-170	EPA 1633A	11/2/25 06:53
Surrogate: d5-N-EtFOSAA	41.0 %		25-135	EPA 1633A	11/2/25 06:53
Surrogate: M2-6:2 FTS	110 %		40-200	EPA 1633A	11/2/25 06:53
Surrogate: M2-8:2 FTS	68.6 %		40-300	EPA 1633A	11/2/25 06:53
Surrogate: M9PFNA	87.2 %		40-130	EPA 1633A	11/2/25 06:53
Surrogate: M2-4:2 FTS	99.5 %		40-200	EPA 1633A	11/2/25 06:53
Surrogate: d-N-MeFOSA	30.5 %		10-130	EPA 1633A	11/2/25 06:53
Surrogate: d-N-EtFOSA	26.8 %		10-130	EPA 1633A	11/2/25 06:53
Surrogate: M3HFPO-DA	92.6 %		40-130	EPA 1633A	11/2/25 06:53
Surrogate: d9-N-EtFOSE	27.0 %		10-130	EPA 1633A	11/2/25 06:53
Surrogate: d7-N-MeFOSE	30.8 %		10-130	EPA 1633A	11/2/25 06:53

**Client:** WSP USA, Inc. (White Plains, NY) **York Sample ID:** 25J1654-04  
**Client Project:** Westchester County Airport (WCA) **Date Received:** 10/28/2025  
**Client Sample ID:** MW-57 **Collection Date/Time:** 10/27/25 13:00

**Lab ID:** 25J1654-04 **Laboratory:** Queens  
**Analysis:** PFAS Target compounds by LC/MS-MS **Matrix:** Ground Water  
**Prep Method:** Sample Prepared by Method: EPA 1633 Prep



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-04</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-57	<b>Collection Date/Time:</b>	10/27/25 13:00

<b>Lab ID:</b>	25J1654-04	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.67	1.84	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluorohexanoic acid (PFHxA)	ND		0.521	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoroheptanoic acid (PFHpA)	ND		0.729	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluorohexanesulfonic acid (PFHxS)	1.73	J	0.927	1.91	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluorooctanoic acid (PFOA)	3.63		1.04	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluorooctanesulfonic acid (PFOS)	ND		0.792	1.94	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluorononanoic acid (PFNA)	ND		1.03	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluorodecanoic acid (PFDA)	ND		0.594	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.740	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluorododecanoic acid (PFDoA)	ND		0.625	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.25	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.65	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
N-MeFOSAA	ND		0.521	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
N-EtFOSAA	ND		5.21	5.21	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoropentanoic acid (PFPeA)	ND		0.927	4.17	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.385	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.323	1.99	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.646	2.01	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5.21	7.92	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.34	8.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoro-n-butanoic acid (PFBA)	ND		1.70	8.33	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.521	3.71	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.12	4.17	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.729	4.17	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.46	4.17	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.781	1.96	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-04</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-57	<b>Collection Date/Time:</b>	10/27/25 13:00

<b>Lab ID:</b>	25J1654-04	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.94	7.81	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
HFPO-DA (Gen-X)	ND		5.21	8.33	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
11CL-PF3OUdS	ND		2.32	7.88	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
9CL-PF3ONS	ND		2.86	7.79	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
ADONA	ND		3.09	7.88	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.927	2.02	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.781	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.46	10.4	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		26.0	52.1	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		24.0	52.1	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
N-MeFOSE	ND		7.40	20.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
N-MeFOSA	ND		2.08	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
N-EtFOSE	ND		7.58	20.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM
N-EtFOSA	ND		1.09	2.08	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:08	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	81.3 %		40-135	EPA 1633A	11/2/25 07:08
Surrogate: M5PFHxA	73.8 %		40-130	EPA 1633A	11/2/25 07:08
Surrogate: M4PFHpA	82.5 %		40-130	EPA 1633A	11/2/25 07:08
Surrogate: M3PFHxS	78.6 %		40-130	EPA 1633A	11/2/25 07:08
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	71.5 %		40-130	EPA 1633A	11/2/25 07:08
Surrogate: M6PFDA	68.0 %		40-130	EPA 1633A	11/2/25 07:08
Surrogate: M7PFUdA	61.6 %		30-130	EPA 1633A	11/2/25 07:08
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	45.2 %		10-130	EPA 1633A	11/2/25 07:08
Surrogate: M2PFTeDA	28.6 %		10-130	EPA 1633A	11/2/25 07:08
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	1.79 %	PFSu-L	5-130	EPA 1633A	11/2/25 07:08
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	85.8 %		40-130	EPA 1633A	11/2/25 07:08
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.3 %		40-130	EPA 1633A	11/2/25 07:08
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	89.6 %		40-130	EPA 1633A	11/2/25 07:08
Surrogate: d3-N-MeFOSAA	49.1 %		40-170	EPA 1633A	11/2/25 07:08



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1654-04
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/28/2025
<b>Client Sample ID:</b> MW-57	<b>Collection Date/Time:</b> 10/27/25 13:00

<b>Lab ID:</b> 25J1654-04	<b>Laboratory:</b> Queens
<b>Analysis:</b> PFAS Target compounds by LC/MS-MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 1633 Prep	

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d5-N-EtFOSAA	26.6 %		25-135	EPA 1633A	11/2/25 07:08
Surrogate: M2-6:2 FTS	79.4 %		40-200	EPA 1633A	11/2/25 07:08
Surrogate: M2-8:2 FTS	71.4 %		40-300	EPA 1633A	11/2/25 07:08
Surrogate: M9PFNA	83.5 %		40-130	EPA 1633A	11/2/25 07:08
Surrogate: M2-4:2 FTS	85.9 %		40-200	EPA 1633A	11/2/25 07:08
Surrogate: d-N-MeFOSA	57.7 %		10-130	EPA 1633A	11/2/25 07:08
Surrogate: d-N-EtFOSA	53.4 %		10-130	EPA 1633A	11/2/25 07:08
Surrogate: M3HFPO-DA	72.8 %		40-130	EPA 1633A	11/2/25 07:08
Surrogate: d9-N-EtFOSE	31.0 %		10-130	EPA 1633A	11/2/25 07:08
Surrogate: d7-N-MeFOSE	33.9 %		10-130	EPA 1633A	11/2/25 07:08

<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1654-05
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/28/2025
<b>Client Sample ID:</b> MW-43	<b>Collection Date/Time:</b> 10/27/25 14:00

<b>Lab ID:</b> 25J1654-05	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
* 1,2,4,5-Tetramethylbenzene	ND	QL-02	0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-43	<b>Collection Date/Time:</b>	10/27/25 14:00

<b>Lab ID:</b>	25J1654-05	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	Volatile Organic Compounds by GC/MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,3-Dichlorobenzene	ND	QL-02	0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Acrolein	ND		0.447	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Acrylonitrile	0.550		0.422	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Bromomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Chloroethane	ND	CCVE	0.448	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-43	<b>Collection Date/Time:</b>	10/27/25 14:00

<b>Lab ID:</b>	25J1654-05	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	Volatile Organic Compounds by GC/MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Dichlorodifluoromethane	ND	CCVE	0.451	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
* Iodomethane	ND	CCVE, QL-02	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Methyl tert-butyl ether (MTBE)	<b>3.39</b>		0.244	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
n-Butylbenzene	ND		0.399	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
* p-Ethyltoluene	ND	QL-02	0.200	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
tert-Amyl methyl ether (TAME)	<b>0.580</b>		0.511	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-43	<b>Collection Date/Time:</b>	10/27/25 14:00

<b>Lab ID:</b>	<b>25J1654-05</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Tetrachloroethylene	2.09	CCVE, QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 16:39	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %		69-130	EPA 8260D	11/1/25 16:39
Surrogate: SURRE: Toluene-d8	115 %		81-117	EPA 8260D	11/1/25 16:39
Surrogate: SURRE: p-Bromofluorobenzene	101 %		79-122	EPA 8260D	11/1/25 16:39

<b>Lab ID:</b>	<b>25J1654-05</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	9.56		1.63	1.80	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluorohexanoic acid (PFHxA)	55.7		0.509	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoroheptanoic acid (PFHpA)	35.0		0.713	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluorohexanesulfonic acid (PFHxS)	118		0.906	1.86	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluorooctanoic acid (PFOA)	52.9		1.02	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluorooctanesulfonic acid (PFOS)	156		0.774	1.89	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluorononanoic acid (PFNA)	39.1		1.01	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluorodecanoic acid (PFDA)	0.863	J	0.580	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoroundecanoic acid (PFUnA)	1.09	J	0.723	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-43	<b>Collection Date/Time:</b>	10/27/25 14:00

<b>Lab ID:</b>	<b>25J1654-05</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorododecanoic acid (PFDoA)	ND		0.611	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.22	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.61	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
N-MeFOSAA	ND		0.509	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
N-EtFOSAA	ND		5.09	5.09	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoropentanoic acid (PFPeA)	<b>65.5</b>		0.906	4.07	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.377	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	<b>2.78</b>		0.316	1.95	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.631	1.97	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5.09	7.74	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.29	7.82	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoro-n-butanoic acid (PFBA)	<b>28.2</b>		1.66	8.15	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.509	3.63	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.05	4.07	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.713	4.07	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.43	4.07	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoro-1-pentanesulfonate (PFPeS)	<b>10.5</b>		0.764	1.91	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.87	7.64	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
HFPO-DA (Gen-X)	ND		5.09	8.15	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
11CL-PF3OUdS	ND		2.27	7.70	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
9CL-PF3ONS	ND		2.80	7.62	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
ADONA	ND		3.02	7.70	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.906	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.764	1.96	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.40	10.2	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		25.5	50.9	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-43	<b>Collection Date/Time:</b>	10/27/25 14:00

<b>Lab ID:</b>	<b>25J1654-05</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		23.5	50.9	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
N-MeFOSE	ND		7.23	20.4	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
N-MeFOSA	ND		2.04	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
N-EtFOSE	ND		7.41	20.4	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM
N-EtFOSA	ND		1.07	2.04	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:22	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	87.3 %		40-135	EPA 1633A	11/2/25 07:22
Surrogate: M5PFHxA	81.1 %		40-130	EPA 1633A	11/2/25 07:22
Surrogate: M4PFHpA	84.2 %		40-130	EPA 1633A	11/2/25 07:22
Surrogate: M3PFHxS	88.7 %		40-130	EPA 1633A	11/2/25 07:22
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	79.9 %		40-130	EPA 1633A	11/2/25 07:22
Surrogate: M6PFDA	73.7 %		40-130	EPA 1633A	11/2/25 07:22
Surrogate: M7PFUdA	63.3 %		30-130	EPA 1633A	11/2/25 07:22
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	48.7 %		10-130	EPA 1633A	11/2/25 07:22
Surrogate: M2PFTeDA	19.0 %		10-130	EPA 1633A	11/2/25 07:22
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	25.6 %		5-130	EPA 1633A	11/2/25 07:22
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	82.0 %		40-130	EPA 1633A	11/2/25 07:22
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	73.3 %		40-130	EPA 1633A	11/2/25 07:22
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	88.4 %		40-130	EPA 1633A	11/2/25 07:22
Surrogate: d3-N-MeFOSAA	62.0 %		40-170	EPA 1633A	11/2/25 07:22
Surrogate: d5-N-EtFOSAA	51.7 %		25-135	EPA 1633A	11/2/25 07:22
Surrogate: M2-6:2 FTS	119 %		40-200	EPA 1633A	11/2/25 07:22
Surrogate: M2-8:2 FTS	90.4 %		40-300	EPA 1633A	11/2/25 07:22
Surrogate: M9PFNA	84.2 %		40-130	EPA 1633A	11/2/25 07:22
Surrogate: M2-4:2 FTS	120 %		40-200	EPA 1633A	11/2/25 07:22
Surrogate: d-N-MeFOSA	34.7 %		10-130	EPA 1633A	11/2/25 07:22
Surrogate: d-N-EtFOSA	30.1 %		10-130	EPA 1633A	11/2/25 07:22
Surrogate: M3HFPO-DA	81.6 %		40-130	EPA 1633A	11/2/25 07:22
Surrogate: d9-N-EtFOSE	25.6 %		10-130	EPA 1633A	11/2/25 07:22
Surrogate: d7-N-MeFOSE	32.2 %		10-130	EPA 1633A	11/2/25 07:22



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-06</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-44	<b>Collection Date/Time:</b>	10/27/25 13:40

<b>Lab ID:</b>	25J1654-06	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	15.3		1.58	1.75	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluorohexanoic acid (PFHxA)	29.2		0.494	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoroheptanoic acid (PFHpA)	16.8		0.692	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluorohexanesulfonic acid (PFHxS)	144		0.879	1.81	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluorooctanoic acid (PFOA)	54.5		0.988	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluorooctanesulfonic acid (PFOS)	186		0.751	1.84	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluorononanoic acid (PFNA)	29.8		0.978	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluorodecanoic acid (PFDA)	0.719	J	0.563	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoroundecanoic acid (PFUnA)	3.21		0.702	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluorododecanoic acid (PFDoA)	ND		0.593	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.19	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.56	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
N-MeFOSAA	ND		0.494	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
N-EtFOSAA	ND		4.94	4.94	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoropentanoic acid (PFPeA)	40.0		0.879	3.95	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.366	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.11		0.306	1.89	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.613	1.91	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		4.94	7.51	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.22	7.59	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoro-n-butanoic acid (PFBA)	17.2		1.61	7.91	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.494	3.52	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		2.96	3.95	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.692	3.95	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.38	3.95	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoro-1-pentanesulfonate (PFPeS)	22.8		0.741	1.86	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-06</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-44	<b>Collection Date/Time:</b>	10/27/25 13:40

<b>Lab ID:</b>	25J1654-06	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.79	7.41	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
HFPO-DA (Gen-X)	ND		4.94	7.91	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
11CL-PF3OUdS	ND		2.20	7.47	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
9CL-PF3ONS	ND		2.72	7.39	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
ADONA	ND		2.93	7.47	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.879	1.92	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.741	1.90	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.33	9.88	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		24.7	49.4	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		22.8	49.4	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
N-MeFOSE	ND		7.02	19.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
N-MeFOSA	ND		1.98	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
N-EtFOSE	ND		7.19	19.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM
N-EtFOSA	ND		1.04	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 07:36	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	83.2 %		40-135	EPA 1633A	11/2/25 07:36
Surrogate: M5PFHxA	78.4 %		40-130	EPA 1633A	11/2/25 07:36
Surrogate: M4PFHpA	78.2 %		40-130	EPA 1633A	11/2/25 07:36
Surrogate: M3PFHxS	79.1 %		40-130	EPA 1633A	11/2/25 07:36
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	73.5 %		40-130	EPA 1633A	11/2/25 07:36
Surrogate: M6PFDA	78.3 %		40-130	EPA 1633A	11/2/25 07:36
Surrogate: M7PFUdA	64.9 %		30-130	EPA 1633A	11/2/25 07:36
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	59.1 %		10-130	EPA 1633A	11/2/25 07:36
Surrogate: M2PFTeDA	47.8 %		10-130	EPA 1633A	11/2/25 07:36
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	74.5 %		5-130	EPA 1633A	11/2/25 07:36
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.2 %		40-130	EPA 1633A	11/2/25 07:36
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.2 %		40-130	EPA 1633A	11/2/25 07:36
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	84.9 %		40-130	EPA 1633A	11/2/25 07:36
Surrogate: d3-N-MeFOSAA	70.4 %		40-170	EPA 1633A	11/2/25 07:36



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-06</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-44	<b>Collection Date/Time:</b>	10/27/25 13:40

<b>Lab ID:</b>	<b>25J1654-06</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d5-N-EtFOSAA	71.7 %		25-135	EPA 1633A	11/2/25 07:36
Surrogate: M2-6:2 FTS	111 %		40-200	EPA 1633A	11/2/25 07:36
Surrogate: M2-8:2 FTS	81.9 %		40-300	EPA 1633A	11/2/25 07:36
Surrogate: M9PFNA	88.3 %		40-130	EPA 1633A	11/2/25 07:36
Surrogate: M2-4:2 FTS	127 %		40-200	EPA 1633A	11/2/25 07:36
Surrogate: d-N-MeFOSA	47.9 %		10-130	EPA 1633A	11/2/25 07:36
Surrogate: d-N-EtFOSA	56.7 %		10-130	EPA 1633A	11/2/25 07:36
Surrogate: M3HFPO-DA	73.5 %		40-130	EPA 1633A	11/2/25 07:36
Surrogate: d9-N-EtFOSE	63.8 %		10-130	EPA 1633A	11/2/25 07:36
Surrogate: d7-N-MeFOSE	62.9 %		10-130	EPA 1633A	11/2/25 07:36

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-63	<b>Collection Date/Time:</b>	10/27/25 14:45

<b>Lab ID:</b>	<b>25J1654-07</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	219	HT-PR	39.0	88.5	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorobutanesulfonic acid (PFBS)	ND		1600	1770	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluorohexanoic acid (PFHxA)	1220	HT-PR	18.0	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorohexanoic acid (PFHxA)	1140	J	500	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoroheptanoic acid (PFHpA)	349	HT-PR	35.0	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoroheptanoic acid (PFHpA)	ND		700	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluorohexanesulfonic acid (PFHxS)	7870	HT-PR	44.5	91.5	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorohexanesulfonic acid (PFHxS)	10400		890	1830	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluorooctanoic acid (PFOA)	14300	HT-PR	39.5	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorooctanoic acid (PFOA)	23000		1000	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluorooctanesulfonic acid (PFOS)	4770	HT-PR	38.0	93.0	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorooctanesulfonic acid (PFOS)	2710		760	1860	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-63	<b>Collection Date/Time:</b>	10/27/25 14:45

<b>Lab ID:</b>	25J1654-07	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorononanoic acid (PFNA)	ND	HT-PR	49.5	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorononanoic acid (PFNA)	ND		990	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluorodecanoic acid (PFDA)	ND	HT-PR	28.5	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorodecanoic acid (PFDA)	ND		570	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoroundecanoic acid (PFUnA)	ND	HT-PR	35.5	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoroundecanoic acid (PFUnA)	ND		710	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluorododecanoic acid (PFDoA)	ND	HT-PR	30.0	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorododecanoic acid (PFDoA)	ND		600	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluorotridecanoic acid (PFTTrDA)	ND	HT-PR	60.0	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorotridecanoic acid (PFTTrDA)	ND		1200	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluorotetradecanoic acid (PFTA)	ND	HT-PR	79.0	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorotetradecanoic acid (PFTA)	ND		1580	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
N-MeFOSAA	ND	HT-PR	25.0	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
N-MeFOSAA	ND		500	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
N-EtFOSAA	ND	HT-PR	52.5	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
N-EtFOSAA	ND		5000	5000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoropentanoic acid (PFPeA)	<b>391</b>	HT-PR	44.5	200	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoropentanoic acid (PFPeA)	ND		890	4000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoro-1-octanesulfonamide (FOSA)	<b>21.4</b>	J, HT-PR	18.5	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		370	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	<b>286</b>	HT-PR	15.5	95.5	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		310	1910	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND	HT-PR	31.0	96.5	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		620	1930	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	<b>448</b>	HT-PR	116	380	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5000	7600	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-63	<b>Collection Date/Time:</b>	10/27/25 14:45

<b>Lab ID:</b>	25J1654-07	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	HT-PR	112	384	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2250	7680	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoro-n-butanoic acid (PFBA)	127	J, HT-PR	81.5	400	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoro-n-butanoic acid (PFBA)	ND		1630	8000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		500	3560	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	HT-PR	25.0	178	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	HT-PR	150	200	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		3000	4000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	HT-PR	35.0	200	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		700	4000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	HT-PR	70.0	200	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1400	4000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluoro-1-pentanesulfonate (PFPeS)	367	HT-PR	37.5	94.0	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		750	1880	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	HT-PR	141	375	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2820	7500	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
HFPO-DA (Gen-X)	ND	HT-PR	157	400	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
HFPO-DA (Gen-X)	ND	PF-LCS-L	5000	8000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
11CL-PF3OUdS	ND		2230	7560	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
11CL-PF3OUdS	ND	HT-PR	112	378	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
9CL-PF3ONS	ND	HT-PR	138	374	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
9CL-PF3ONS	ND		2750	7480	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
ADONA	ND	HT-PR	148	378	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
ADONA	ND		2970	7560	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
Perfluorododecanesulfonic acid (PFDoS)	ND	HT-PR	44.5	97.0	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		890	1940	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-63	<b>Collection Date/Time:</b>	10/27/25 14:45

<b>Lab ID:</b>	25J1654-07	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	HT-PR	37.5	96.0	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		750	1920	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	HT-PR	118	500	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2360	10000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	HT-PR	336	2500	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		25000	50000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	HT-PR	1150	2500	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		23100	50000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
N-MeFOSE	ND	HT-PR	355	1000	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
N-MeFOSE	ND		7100	20000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
N-MeFOSA	ND	HT-PR	35.5	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
N-MeFOSA	ND		2000	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
N-EtFOSE	ND	HT-PR	364	1000	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
N-EtFOSE	ND		7280	20000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM
N-EtFOSA	ND	HT-PR	52.5	100	10	ng/L	EPA 1633A	12/1/25 12:33	12/5/25 00:08	AM
N-EtFOSA	ND		1050	2000	1	ng/L	EPA 1633A	11/4/25 12:44	11/6/25 15:01	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	136 %	HT-PR, PFSu-H	40-135	EPA 1633A	12/5/25 00:08
Surrogate: M3PFBS	100 %		40-135	EPA 1633A	11/6/25 15:01
Surrogate: M5PFHxA	116 %	HT-PR	40-130	EPA 1633A	12/5/25 00:08
Surrogate: M5PFHxA	96.1 %		40-130	EPA 1633A	11/6/25 15:01
Surrogate: M4PFHpA	110 %	HT-PR	40-130	EPA 1633A	12/5/25 00:08
Surrogate: M4PFHpA	93.1 %		40-130	EPA 1633A	11/6/25 15:01
Surrogate: M3PFHxS	150 %	HT-PR, PFSu-H	40-130	EPA 1633A	12/5/25 00:08
Surrogate: M3PFHxS	98.0 %		40-130	EPA 1633A	11/6/25 15:01
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	104 %	HT-PR	40-130	EPA 1633A	12/5/25 00:08
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	91.1 %		40-130	EPA 1633A	11/6/25 15:01
Surrogate: M6PFDA	109 %	HT-PR	40-130	EPA 1633A	12/5/25 00:08
Surrogate: M6PFDA	91.5 %		40-130	EPA 1633A	11/6/25 15:01
Surrogate: M7PFUdA	86.3 %	HT-PR	30-130	EPA 1633A	12/5/25 00:08



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1654-07
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/28/2025
<b>Client Sample ID:</b> MW-63	<b>Collection Date/Time:</b> 10/27/25 14:45

<b>Lab ID:</b> 25J1654-07	<b>Laboratory:</b> Queens
<b>Analysis:</b> PFAS Target compounds by LC/MS-MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 1633 Prep	

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M7PFUdA	82.5 %		30-130	EPA 1633A	11/6/25 15:01
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	73.3 %	HT-PR	10-130	EPA 1633A	12/5/25 00:08
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	70.8 %		10-130	EPA 1633A	11/6/25 15:01
Surrogate: M2PFTeDA	51.1 %	HT-PR	10-130	EPA 1633A	12/5/25 00:08
Surrogate: M2PFTeDA	49.7 %		10-130	EPA 1633A	11/6/25 15:01
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	101 %	HT-PR	5-130	EPA 1633A	12/5/25 00:08
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	94.5 %		5-130	EPA 1633A	11/6/25 15:01
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	116 %	HT-PR	40-130	EPA 1633A	12/5/25 00:08
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	109 %		40-130	EPA 1633A	11/6/25 15:01
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	111 %	HT-PR	40-130	EPA 1633A	12/5/25 00:08
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	95.4 %		40-130	EPA 1633A	11/6/25 15:01
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	88.1 %	HT-PR	40-130	EPA 1633A	12/5/25 00:08
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	112 %		40-130	EPA 1633A	11/6/25 15:01
Surrogate: d3-N-MeFOSAA	83.4 %	HT-PR	40-170	EPA 1633A	12/5/25 00:08
Surrogate: d3-N-MeFOSAA	80.7 %		40-170	EPA 1633A	11/6/25 15:01
Surrogate: d5-N-EtFOSAA	93.3 %	HT-PR	25-135	EPA 1633A	12/5/25 00:08
Surrogate: d5-N-EtFOSAA	77.1 %		25-135	EPA 1633A	11/6/25 15:01
Surrogate: M2-6:2 FTS	198 %	HT-PR	40-200	EPA 1633A	12/5/25 00:08
Surrogate: M2-6:2 FTS	111 %		40-200	EPA 1633A	11/6/25 15:01
Surrogate: M2-8:2 FTS	147 %	HT-PR	40-300	EPA 1633A	12/5/25 00:08
Surrogate: M2-8:2 FTS	95.8 %		40-300	EPA 1633A	11/6/25 15:01
Surrogate: M9PFNA	118 %	HT-PR	40-130	EPA 1633A	12/5/25 00:08
Surrogate: M9PFNA	104 %		40-130	EPA 1633A	11/6/25 15:01
Surrogate: M2-4:2 FTS	208 %	HT-PR, PFSu-H	40-200	EPA 1633A	12/5/25 00:08
Surrogate: M2-4:2 FTS	115 %		40-200	EPA 1633A	11/6/25 15:01
Surrogate: d-N-MeFOSA	39.2 %	HT-PR	10-130	EPA 1633A	12/5/25 00:08
Surrogate: d-N-MeFOSA	77.2 %		10-130	EPA 1633A	11/6/25 15:01
Surrogate: d-N-EtFOSA	67.4 %	HT-PR	10-130	EPA 1633A	12/5/25 00:08
Surrogate: d-N-EtFOSA	71.4 %		10-130	EPA 1633A	11/6/25 15:01
Surrogate: M3HFPO-DA	100 %	HT-PR	40-130	EPA 1633A	12/5/25 00:08
Surrogate: M3HFPO-DA	102 %		40-130	EPA 1633A	11/6/25 15:01
Surrogate: d9-N-EtFOSE	56.0 %	HT-PR	10-130	EPA 1633A	12/5/25 00:08
Surrogate: d9-N-EtFOSE	56.1 %		10-130	EPA 1633A	11/6/25 15:01



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	MW-63	<b>Collection Date/Time:</b>	10/27/25 14:45

<b>Lab ID:</b>	25J1654-07	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d7-N-MeFOSE	74.7 %	HT-PR	10-130	EPA 1633A	12/5/25 00:08
Surrogate: d7-N-MeFOSE	68.3 %		10-130	EPA 1633A	11/6/25 15:01

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Duplicate	<b>Collection Date/Time:</b>	10/27/25 15:00

<b>Lab ID:</b>	25J1654-08	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	254		16.0	17.7	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluorohexanoic acid (PFHxA)	1490		5.00	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoroheptanoic acid (PFHpA)	362		7.00	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluorohexanesulfonic acid (PFHxS)	13600		89.0	183	10	ng/L	EPA 1633A	10/29/25 14:48	11/5/25 11:23	AM
Perfluorooctanoic acid (PFOA)	24700	PF-CCV-H	100	200	10	ng/L	EPA 1633A	10/29/25 14:48	11/5/25 11:23	AM
Perfluorooctanesulfonic acid (PFOS)	5370		7.60	18.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluorononanoic acid (PFNA)	69.6		9.90	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluorodecanoic acid (PFDA)	ND		5.70	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoroundecanoic acid (PFUnA)	ND		7.10	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluorododecanoic acid (PFDoA)	ND		6.00	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluorotridecanoic acid (PFTrDA)	ND		12.0	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluorotetradecanoic acid (PFTA)	ND		15.8	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
N-MeFOSAA	ND		5.00	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
N-EtFOSAA	ND		50.0	50.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoropentanoic acid (PFPeA)	465		8.90	40.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoro-1-octanesulfonamide (FOSA)	24.0		3.70	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	408		3.10	19.1	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Duplicate	<b>Collection Date/Time:</b>	10/27/25 15:00

<b>Lab ID:</b>	<b>25J1654-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluoro-1-decanesulfonic acid (PFDS)	ND		6.20	19.3	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	<b>642</b>		50.0	76.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		22.5	76.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoro-n-butanoic acid (PFBA)	<b>156</b>		16.3	80.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		5.00	35.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		30.0	40.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		7.00	40.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		14.0	40.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoro-1-pentanesulfonate (PFPeS)	<b>580</b>		7.50	18.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		28.2	75.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
HFPO-DA (Gen-X)	ND		50.0	80.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
11CL-PF3OUdS	ND		22.3	75.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
9CL-PF3ONS	ND		27.5	74.8	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
ADONA	ND		29.7	75.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		8.90	19.4	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		7.50	19.2	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		23.6	100	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		250	500	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		231	500	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
N-MeFOSE	ND		71.0	200	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
N-MeFOSA	ND		20.0	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
N-EtFOSE	ND		72.8	200	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM
N-EtFOSA	ND		10.5	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:33	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	114 %		40-135	EPA 1633A	11/5/25 11:23
Surrogate: M3PFBS	114 %		40-135	EPA 1633A	11/2/25 08:33
Surrogate: M5PFHxA	89.0 %		40-130	EPA 1633A	11/5/25 11:23
Surrogate: M5PFHxA	75.8 %		40-130	EPA 1633A	11/2/25 08:33



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Duplicate	<b>Collection Date/Time:</b>	10/27/25 15:00

<b>Lab ID:</b>	<b>25J1654-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M4PFHpA	83.4 %		40-130	EPA 1633A	11/5/25 11:23
Surrogate: M4PFHpA	93.2 %		40-130	EPA 1633A	11/2/25 08:33
Surrogate: M3PFHxS	90.7 %		40-130	EPA 1633A	11/5/25 11:23
Surrogate: M3PFHxS	79.2 %		40-130	EPA 1633A	11/2/25 08:33
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	73.1 %		40-130	EPA 1633A	11/2/25 08:33
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	78.6 %		40-130	EPA 1633A	11/5/25 11:23
Surrogate: M6PFDA	84.6 %		40-130	EPA 1633A	11/5/25 11:23
Surrogate: M6PFDA	61.1 %		40-130	EPA 1633A	11/2/25 08:33
Surrogate: M7PFUDa	56.3 %		30-130	EPA 1633A	11/5/25 11:23
Surrogate: M7PFUDa	42.6 %		30-130	EPA 1633A	11/2/25 08:33
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	25.2 %		10-130	EPA 1633A	11/2/25 08:33
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	38.0 %		10-130	EPA 1633A	11/5/25 11:23
Surrogate: M2PFTeDA	16.6 %		10-130	EPA 1633A	11/5/25 11:23
Surrogate: M2PFTeDA	13.3 %		10-130	EPA 1633A	11/2/25 08:33
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	23.6 %		5-130	EPA 1633A	11/2/25 08:33
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	28.7 %		5-130	EPA 1633A	11/5/25 11:23
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	75.5 %		40-130	EPA 1633A	11/5/25 11:23
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	71.2 %		40-130	EPA 1633A	11/2/25 08:33
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.2 %		40-130	EPA 1633A	11/2/25 08:33
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	78.9 %		40-130	EPA 1633A	11/5/25 11:23
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	92.8 %		40-130	EPA 1633A	11/5/25 11:23
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	85.9 %		40-130	EPA 1633A	11/2/25 08:33
Surrogate: d3-N-MeFOSAA	52.1 %		40-170	EPA 1633A	11/5/25 11:23
Surrogate: d3-N-MeFOSAA	39.8 %	PFSu-L	40-170	EPA 1633A	11/2/25 08:33
Surrogate: d5-N-EtFOSAA	39.9 %		25-135	EPA 1633A	11/5/25 11:23
Surrogate: d5-N-EtFOSAA	31.6 %		25-135	EPA 1633A	11/2/25 08:33
Surrogate: M2-6:2 FTS	113 %		40-200	EPA 1633A	11/5/25 11:23
Surrogate: M2-6:2 FTS	104 %		40-200	EPA 1633A	11/2/25 08:33
Surrogate: M2-8:2 FTS	74.3 %		40-300	EPA 1633A	11/5/25 11:23
Surrogate: M2-8:2 FTS	85.4 %		40-300	EPA 1633A	11/2/25 08:33
Surrogate: M9PFNA	90.5 %		40-130	EPA 1633A	11/5/25 11:23
Surrogate: M9PFNA	72.0 %		40-130	EPA 1633A	11/2/25 08:33



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Duplicate	<b>Collection Date/Time:</b>	10/27/25 15:00

<b>Lab ID:</b>	<b>25J1654-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M2-4:2 FTS	143 %		40-200	EPA 1633A	11/5/25 11:23
Surrogate: M2-4:2 FTS	144 %		40-200	EPA 1633A	11/2/25 08:33
Surrogate: d-N-MeFOSA	21.9 %		10-130	EPA 1633A	11/5/25 11:23
Surrogate: d-N-MeFOSA	33.2 %		10-130	EPA 1633A	11/2/25 08:33
Surrogate: d-N-EtFOSA	13.4 %		10-130	EPA 1633A	11/5/25 11:23
Surrogate: d-N-EtFOSA	23.1 %		10-130	EPA 1633A	11/2/25 08:33
Surrogate: M3HFPO-DA	110 %		40-130	EPA 1633A	11/5/25 11:23
Surrogate: M3HFPO-DA	73.1 %		40-130	EPA 1633A	11/2/25 08:33
Surrogate: d9-N-EtFOSE	26.7 %		10-130	EPA 1633A	11/5/25 11:23
Surrogate: d9-N-EtFOSE	18.6 %		10-130	EPA 1633A	11/2/25 08:33
Surrogate: d7-N-MeFOSE	27.8 %		10-130	EPA 1633A	11/5/25 11:23
Surrogate: d7-N-MeFOSE	23.3 %		10-130	EPA 1633A	11/2/25 08:33

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-8	<b>Collection Date/Time:</b>	10/27/25 15:30

<b>Lab ID:</b>	<b>25J1654-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
* 1,2,4,5-Tetramethylbenzene	ND	QL-02	0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1654-09
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/28/2025
<b>Client Sample ID:</b> FMW-8	<b>Collection Date/Time:</b> 10/27/25 15:30

<b>Lab ID:</b> 25J1654-09	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,3-Dichlorobenzene	ND	QL-02	0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Acrolein	ND		0.447	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Bromomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Chloroethane	ND	CCVE	0.448	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-8	<b>Collection Date/Time:</b>	10/27/25 15:30

<b>Lab ID:</b>	<b>25J1654-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Dichlorodifluoromethane	ND	CCVE	0.451	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
* Iodomethane	ND	CCVE, QL-02	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
n-Butylbenzene	ND		0.399	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
* p-Ethyltoluene	ND	QL-02	0.200	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-8	<b>Collection Date/Time:</b>	10/27/25 15:30

<b>Lab ID:</b>	<b>25J1654-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Tetrachloroethylene	ND	CCVE, QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 17:09	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	100 %		69-130	EPA 8260D	11/1/25 17:09
Surrogate: SURRE: Toluene-d8	115 %		81-117	EPA 8260D	11/1/25 17:09
Surrogate: SURRE: p-Bromofluorobenzene	101 %		79-122	EPA 8260D	11/1/25 17:09

<b>Lab ID:</b>	<b>25J1654-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	<b>28.8</b>		1.60	1.77	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluorohexanoic acid (PFHxA)	<b>124</b>		0.500	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoroheptanoic acid (PFHpA)	<b>71.1</b>		0.700	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluorohexanesulfonic acid (PFHxS)	<b>425</b>		0.890	1.83	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluorooctanoic acid (PFOA)	<b>196</b>		1.00	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluorooctanesulfonic acid (PFOS)	<b>1270</b>		7.60	18.6	10	ng/L	EPA 1633A	10/29/25 14:48	11/5/25 11:38	AM
Perfluorononanoic acid (PFNA)	<b>119</b>		0.990	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluorodecanoic acid (PFDA)	<b>2.23</b>		0.570	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.710	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-8	<b>Collection Date/Time:</b>	10/27/25 15:30

<b>Lab ID:</b>	<b>25J1654-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorododecanoic acid (PFDoA)	ND		0.600	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.20	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.58	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
N-MeFOSAA	ND		0.500	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
N-EtFOSAA	ND		5.00	5.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoropentanoic acid (PFPeA)	<b>136</b>		0.890	4.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoro-1-octanesulfonamide (FOSA)	<b>2.66</b>		0.370	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	<b>25.2</b>		0.310	1.91	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.620	1.93	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	<b>28.8</b>		5.00	7.60	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	<b>9.55</b>		2.25	7.68	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoro-n-butanoic acid (PFBA)	<b>55.9</b>		1.63	8.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.500	3.56	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.00	4.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.700	4.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.40	4.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoro-1-pentanesulfonate (PFPeS)	<b>35.4</b>		0.750	1.88	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.82	7.50	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
HFPO-DA (Gen-X)	ND		5.00	8.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
11CL-PF3OUdS	ND		2.23	7.56	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
9CL-PF3ONS	ND		2.75	7.48	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
ADONA	ND		2.97	7.56	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.890	1.94	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.750	1.92	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.36	10.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		25.0	50.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-8	<b>Collection Date/Time:</b>	10/27/25 15:30

<b>Lab ID:</b>	<b>25J1654-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		23.1	50.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
N-MeFOSE	ND		7.10	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
N-MeFOSA	ND		2.00	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
N-EtFOSE	ND		7.28	20.0	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM
N-EtFOSA	ND		1.05	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/2/25 08:48	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	98.1 %		40-135	EPA 1633A	11/5/25 11:38
Surrogate: M3PFBS	79.5 %		40-135	EPA 1633A	11/2/25 08:48
Surrogate: M5PFHxA	90.2 %		40-130	EPA 1633A	11/5/25 11:38
Surrogate: M5PFHxA	73.2 %		40-130	EPA 1633A	11/2/25 08:48
Surrogate: M4PFHpA	74.0 %		40-130	EPA 1633A	11/5/25 11:38
Surrogate: M4PFHpA	82.8 %		40-130	EPA 1633A	11/2/25 08:48
Surrogate: M3PFHxS	99.4 %		40-130	EPA 1633A	11/5/25 11:38
Surrogate: M3PFHxS	77.8 %		40-130	EPA 1633A	11/2/25 08:48
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	81.1 %		40-130	EPA 1633A	11/5/25 11:38
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	71.0 %		40-130	EPA 1633A	11/2/25 08:48
Surrogate: M6PFDA	66.9 %		40-130	EPA 1633A	11/5/25 11:38
Surrogate: M6PFDA	68.1 %		40-130	EPA 1633A	11/2/25 08:48
Surrogate: M7PFUdA	59.0 %		30-130	EPA 1633A	11/5/25 11:38
Surrogate: M7PFUdA	62.9 %		30-130	EPA 1633A	11/2/25 08:48
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	51.5 %		10-130	EPA 1633A	11/5/25 11:38
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	54.8 %		10-130	EPA 1633A	11/2/25 08:48
Surrogate: M2PFTeDA	63.7 %		10-130	EPA 1633A	11/5/25 11:38
Surrogate: M2PFTeDA	44.3 %		10-130	EPA 1633A	11/2/25 08:48
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	85.1 %		5-130	EPA 1633A	11/5/25 11:38
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	65.1 %		5-130	EPA 1633A	11/2/25 08:48
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	84.7 %		40-130	EPA 1633A	11/5/25 11:38
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	83.0 %		40-130	EPA 1633A	11/2/25 08:48
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	84.3 %		40-130	EPA 1633A	11/5/25 11:38
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	69.2 %		40-130	EPA 1633A	11/2/25 08:48



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	FMW-8	<b>Collection Date/Time:</b>	10/27/25 15:30

<b>Lab ID:</b>	<b>25J1654-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	88.8 %		40-130	EPA 1633A	11/5/25 11:38
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	98.3 %		40-130	EPA 1633A	11/2/25 08:48
Surrogate: d3-N-MeFOSAA	80.5 %		40-170	EPA 1633A	11/5/25 11:38
Surrogate: d3-N-MeFOSAA	74.0 %		40-170	EPA 1633A	11/2/25 08:48
Surrogate: d5-N-EtFOSAA	86.9 %		25-135	EPA 1633A	11/5/25 11:38
Surrogate: d5-N-EtFOSAA	86.7 %		25-135	EPA 1633A	11/2/25 08:48
Surrogate: M2-6:2 FTS	109 %		40-200	EPA 1633A	11/5/25 11:38
Surrogate: M2-6:2 FTS	125 %		40-200	EPA 1633A	11/2/25 08:48
Surrogate: M2-8:2 FTS	76.6 %		40-300	EPA 1633A	11/5/25 11:38
Surrogate: M2-8:2 FTS	97.8 %		40-300	EPA 1633A	11/2/25 08:48
Surrogate: M9PFNA	109 %		40-130	EPA 1633A	11/5/25 11:38
Surrogate: M9PFNA	77.5 %		40-130	EPA 1633A	11/2/25 08:48
Surrogate: M2-4:2 FTS	128 %		40-200	EPA 1633A	11/5/25 11:38
Surrogate: M2-4:2 FTS	128 %		40-200	EPA 1633A	11/2/25 08:48
Surrogate: d-N-MeFOSA	55.0 %		10-130	EPA 1633A	11/5/25 11:38
Surrogate: d-N-MeFOSA	65.4 %		10-130	EPA 1633A	11/2/25 08:48
Surrogate: d-N-EtFOSA	41.2 %		10-130	EPA 1633A	11/5/25 11:38
Surrogate: d-N-EtFOSA	64.6 %		10-130	EPA 1633A	11/2/25 08:48
Surrogate: M3HFPO-DA	108 %		40-130	EPA 1633A	11/5/25 11:38
Surrogate: M3HFPO-DA	80.3 %		40-130	EPA 1633A	11/2/25 08:48
Surrogate: d9-N-EtFOSE	79.4 %		10-130	EPA 1633A	11/5/25 11:38
Surrogate: d9-N-EtFOSE	73.0 %		10-130	EPA 1633A	11/2/25 08:48
Surrogate: d7-N-MeFOSE	70.5 %		10-130	EPA 1633A	11/5/25 11:38
Surrogate: d7-N-MeFOSE	70.8 %		10-130	EPA 1633A	11/2/25 08:48

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	10/27/25 15:45

<b>Lab ID:</b>	<b>25J1654-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	10/27/25 15:45

<b>Lab ID:</b>	<b>25J1654-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
* 1,2,4,5-Tetramethylbenzene	ND	QL-02	0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,3-Dichlorobenzene	ND	QL-02	0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Acrolein	ND		0.447	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	10/27/25 15:45

<b>Lab ID:</b>	<b>25J1654-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Bromomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Chloroethane	ND	CCVE	0.448	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Chloroform	<b>15.2</b>		0.243	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Dichlorodifluoromethane	ND	CCVE	0.451	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
* Iodomethane	ND	CCVE, QL-02	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
n-Butylbenzene	ND		0.399	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	10/27/25 15:45

<b>Lab ID:</b>	<b>25J1654-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
* p-Ethyltoluene	ND	QL-02	0.200	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Tetrachloroethylene	ND	CCVE, QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 13:40	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	103 %		69-130	EPA 8260D	11/1/25 13:40
Surrogate: SURRE: Toluene-d8	114 %		81-117	EPA 8260D	11/1/25 13:40
Surrogate: SURRE: p-Bromofluorobenzene	101 %		79-122	EPA 8260D	11/1/25 13:40



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	10/27/25 15:45

<b>Lab ID:</b>	<b>25J1654-10</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.65	1.82	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluorohexanoic acid (PFHxA)	ND		0.514	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoroheptanoic acid (PFHpA)	ND		0.720	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluorohexanesulfonic acid (PFHxS)	ND		0.916	1.88	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluorooctanoic acid (PFOA)	ND		1.03	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluorooctanesulfonic acid (PFOS)	ND		0.782	1.91	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluorononanoic acid (PFNA)	ND		1.02	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluorodecanoic acid (PFDA)	ND		0.586	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.730	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluorododecanoic acid (PFDoA)	ND		0.617	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.23	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.63	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
N-MeFOSAA	ND		0.514	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
N-EtFOSAA	ND		5.14	5.14	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoropentanoic acid (PFPeA)	ND		0.916	4.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.381	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.319	1.97	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.638	1.99	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5.14	7.82	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.31	7.90	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoro-n-butanoic acid (PFBA)	ND		1.68	8.23	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.514	3.66	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.09	4.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.720	4.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.44	4.12	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.772	1.93	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	10/27/25 15:45

<b>Lab ID:</b>	<b>25J1654-10</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.90	7.72	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
HFPO-DA (Gen-X)	ND		5.14	8.23	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
11CL-PF3OUdS	ND		2.29	7.78	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
9CL-PF3ONS	ND		2.83	7.70	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
ADONA	ND		3.06	7.78	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.916	2.00	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.772	1.98	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.43	10.3	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		25.7	51.4	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		23.7	51.4	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
N-MeFOSE	ND		7.30	20.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
N-MeFOSA	ND		2.06	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
N-EtFOSE	ND		7.49	20.6	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM
N-EtFOSA	ND		1.08	2.06	1	ng/L	EPA 1633A	10/29/25 14:48	11/4/25 16:27	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	97.6 %		40-135	EPA 1633A	11/4/25 16:27
Surrogate: M5PFHxA	86.1 %		40-130	EPA 1633A	11/4/25 16:27
Surrogate: M4PFHpA	81.0 %		40-130	EPA 1633A	11/4/25 16:27
Surrogate: M3PFHxS	97.0 %		40-130	EPA 1633A	11/4/25 16:27
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.2 %		40-130	EPA 1633A	11/4/25 16:27
Surrogate: M6PFDA	90.1 %		40-130	EPA 1633A	11/4/25 16:27
Surrogate: M7PFUdA	85.1 %		30-130	EPA 1633A	11/4/25 16:27
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	72.5 %		10-130	EPA 1633A	11/4/25 16:27
Surrogate: M2PFTeDA	46.7 %		10-130	EPA 1633A	11/4/25 16:27
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	88.6 %		5-130	EPA 1633A	11/4/25 16:27
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	88.5 %		40-130	EPA 1633A	11/4/25 16:27
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	88.5 %		40-130	EPA 1633A	11/4/25 16:27
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	109 %		40-130	EPA 1633A	11/4/25 16:27
Surrogate: d3-N-MeFOSAA	89.7 %		40-170	EPA 1633A	11/4/25 16:27



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	10/27/25 15:45

<b>Lab ID:</b>	<b>25J1654-10</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d5-N-EtFOSAA	83.8 %		25-135	EPA 1633A	11/4/25 16:27
Surrogate: M2-6:2 FTS	122 %		40-200	EPA 1633A	11/4/25 16:27
Surrogate: M2-8:2 FTS	120 %		40-300	EPA 1633A	11/4/25 16:27
Surrogate: M9PFNA	103 %		40-130	EPA 1633A	11/4/25 16:27
Surrogate: M2-4:2 FTS	113 %		40-200	EPA 1633A	11/4/25 16:27
Surrogate: d-N-MeFOSA	74.1 %		10-130	EPA 1633A	11/4/25 16:27
Surrogate: d-N-EtFOSA	66.1 %		10-130	EPA 1633A	11/4/25 16:27
Surrogate: M3HFPO-DA	95.8 %		40-130	EPA 1633A	11/4/25 16:27
Surrogate: d9-N-EtFOSE	61.2 %		10-130	EPA 1633A	11/4/25 16:27
Surrogate: d7-N-MeFOSE	66.9 %		10-130	EPA 1633A	11/4/25 16:27

<b>Lab ID:</b>	<b>25J1654-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Gas Chromatography/Flame Ionization Detector</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: Preparation for GC Analysis		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
* Ethylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	10/29/25 8:00	10/29/25 11:17	GXB
* Propylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	10/29/25 8:00	10/29/25 11:17	GXB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: 1,4-Butanediol			30-130	GC/FID	10/29/25 11:17

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1654-11</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/28/2025
<b>Client Sample ID:</b>	Trip Blank	<b>Collection Date/Time:</b>	10/27/25 15:00

<b>Lab ID:</b>	<b>25J1654-11</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1654-11
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/28/2025
<b>Client Sample ID:</b> Trip Blank	<b>Collection Date/Time:</b> 10/27/25 15:00

<b>Lab ID:</b> 25J1654-11	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
* 1,2,4,5-Tetramethylbenzene	ND	QL-02	0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,3-Dichlorobenzene	ND	QL-02	0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Acrolein	ND		0.447	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1654-11
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/28/2025
<b>Client Sample ID:</b> Trip Blank	<b>Collection Date/Time:</b> 10/27/25 15:00

<b>Lab ID:</b> 25J1654-11	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Bromomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Chloroethane	ND	CCVE	0.448	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Chloroform	1.60		0.243	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Dichlorodifluoromethane	ND	CCVE	0.451	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
* Iodomethane	ND	CCVE, QL-02	0.500	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
n-Butylbenzene	ND		0.399	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1654-11
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/28/2025
<b>Client Sample ID:</b> Trip Blank	<b>Collection Date/Time:</b> 10/27/25 15:00

<b>Lab ID:</b> 25J1654-11	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
* p-Ethyltoluene	ND	QL-02	0.200	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Tetrachloroethylene	ND	CCVE, QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/1/25 8:10	11/1/25 11:11	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	104 %		69-130	EPA 8260D	11/1/25 11:11
Surrogate: SURRE: Toluene-d8	114 %		81-117	EPA 8260D	11/1/25 11:11
Surrogate: SURRE: p-Bromofluorobenzene	101 %		79-122	EPA 8260D	11/1/25 11:11



## Certified Analyses included in this Report

Analyte	CAS #	Certifications
<b>EPA 1633A in Water</b>		
11CL-PF3OUdS	763051-92-9	NYSDOH-NY12058
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	NYSDOH-NY12058
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	NYSDOH-NY12058
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	27619-97-2	NYSDOH-NY12058
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	812-70-4	NYSDOH-NY12058
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	914637-49-3	NYSDOH-NY12058
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	356-02-5	NYSDOH-NY12058
9CL-PF3ONS	756426-58-1	NYSDOH-NY12058
ADONA	919005-14-4	NYSDOH-NY12058
HFPO-DA (Gen-X)	13252-13-6	NYSDOH-NY12058
N-EtFOSA	4151-50-2	NYSDOH-NY12058
N-EtFOSAA	2991-50-6	NYSDOH-NY12058
N-EtFOSE	1691-99-2	NYSDOH-NY12058
N-MeFOSA	31506-32-8	NYSDOH-NY12058
N-MeFOSAA	2355-31-9	NYSDOH-NY12058
N-MeFOSE	24448-09-7	NYSDOH-NY12058
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	NYSDOH-NY12058
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	NYSDOH-NY12058
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	NYSDOH-NY12058
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	NYSDOH-NY12058
Perfluoro-1-octanesulfonamide (FOSA)	754-91-6	NYSDOH-NY12058
Perfluoro-1-pentanesulfonate (PFPeS)	2706-91-4	NYSDOH-NY12058
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	NYSDOH-NY12058
Perfluoro-4-oxapentanoic acid (PFMPA)	377-73-1	NYSDOH-NY12058
Perfluoro-5-oxahexanoic acid (PFMBA)	863090-89-5	NYSDOH-NY12058
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NYSDOH-NY12058
Perfluorodecanoic acid (PFDA)	335-76-2	NYSDOH-NY12058
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	NYSDOH-NY12058
Perfluorododecanoic acid (PFDoA)	307-55-1	NYSDOH-NY12058
Perfluoroheptanoic acid (PFHpA)	375-85-9	NYSDOH-NY12058
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NYSDOH-NY12058
Perfluorohexanoic acid (PFHxA)	307-24-4	NYSDOH-NY12058
Perfluoro-n-butanoic acid (PFBA)	375-22-4	NYSDOH-NY12058
Perfluorononanoic acid (PFNA)	375-95-1	NYSDOH-NY12058
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NYSDOH-NY12058
Perfluorooctanoic acid (PFOA)	335-67-1	NYSDOH-NY12058
Perfluoropentanoic acid (PFPeA)	2706-90-3	NYSDOH-NY12058
Perfluorotetradecanoic acid (PFTA)	376-06-7	NYSDOH-NY12058
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	NYSDOH-NY12058
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NYSDOH-NY12058
<b>EPA 8260D in Water</b>		
1,1,1,2-Tetrachloroethane	630-20-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1,1-Trichloroethane	71-55-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1,2,2-Tetrachloroethane	79-34-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440



**Certified Analyses included in this Report**  
(Continued)

Analyte	CAS #	Certifications
<b>EPA 8260D in Water (Continued)</b>		
1,1,2-Trichloroethane	79-00-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1-Dichloroethane	75-34-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1-Dichloroethylene	75-35-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1-Dichloropropylene	563-58-6	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
1,2,3-Trichlorobenzene	87-61-6	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,2,3-Trichloropropane	96-18-4	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,2,4-Trichlorobenzene	120-82-1	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,2,4-Trimethylbenzene	95-63-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dibromo-3-chloropropane	96-12-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dibromoethane	106-93-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dichlorobenzene	95-50-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dichloroethane	107-06-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dichloropropane	78-87-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,3,5-Trimethylbenzene	108-67-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,3-Dichlorobenzene	541-73-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,3-Dichloropropane	142-28-9	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,4-Dichlorobenzene	106-46-7	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
2,2-Dichloropropane	594-20-7	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
2-Butanone	78-93-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
2-Chlorotoluene	95-49-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
2-Hexanone	591-78-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
4-Chlorotoluene	106-43-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
4-Methyl-2-pentanone	108-10-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Acetone	67-64-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Acrolein	107-02-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Acrylonitrile	107-13-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Benzene	71-43-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Bromobenzene	108-86-1	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Bromochloromethane	74-97-5	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Bromodichloromethane	75-27-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Bromoform	75-25-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440



**Certified Analyses included in this Report**  
(Continued)

Analyte	CAS #	Certifications
<b>EPA 8260D in Water (Continued)</b>		
Bromomethane	74-83-9	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Carbon disulfide	75-15-0	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Carbon tetrachloride	56-23-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chlorobenzene	108-90-7	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chloroethane	75-00-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chloroform	67-66-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chloromethane	74-87-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
cis-1,2-Dichloroethylene	156-59-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
cis-1,3-Dichloropropylene	10061-01-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Cyclohexane	110-82-7	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Dibromochloromethane	124-48-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Dibromomethane	74-95-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Dichlorodifluoromethane	75-71-8	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Diisopropyl ether (DIPE)	108-20-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Ethyl Benzene	100-41-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Ethyl tert-butyl ether (ETBE)	637-92-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
Hexachlorobutadiene	87-68-3	NYSDOH-NY12058,PADEP-68-04440
Isopropylbenzene	98-82-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Methyl acetate	79-20-9	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Methyl Methacrylate	80-62-6	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
Methyl tert-butyl ether (MTBE)	1634-04-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Methylcyclohexane	108-87-2	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Methylene chloride	75-09-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Naphthalene	91-20-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
n-Butylbenzene	104-51-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
n-Propylbenzene	103-65-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
o-Xylene	95-47-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP-68-04440
p- & m- Xylenes	179601-23-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP-68-04440
p-Isopropyltoluene	99-87-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
sec-Butylbenzene	135-98-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Styrene	100-42-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
tert-Amyl alcohol (TAA)	75-85-4	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
tert-Amyl methyl ether (TAME)	994-05-8	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
tert-Butyl alcohol (TBA)	75-65-0	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440



**Certified Analyses included in this Report**  
(Continued)

Analyte	CAS #	Certifications
<b>EPA 8260D in Water (Continued)</b>		
tert-Butylbenzene	98-06-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Tetrachloroethylene	127-18-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Toluene	108-88-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
trans-1,2-Dichloroethylene	156-60-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
trans-1,3-Dichloropropylene	10061-02-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
trans-1,4-dichloro-2-butene	110-57-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Trichloroethylene	79-01-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Trichlorofluoromethane	75-69-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Vinyl acetate	108-05-4	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Vinyl Chloride	75-01-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Xylenes, Total	1330-20-7	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005



### List of Certifications

Code	Description	Number	Expires
CTDPH-PH-0840	CTDPH - Stratford	PH-0840	06/30/2027
NJDEP-CT005	NJDEP Certification - Stratford	CT005	06/30/2026
NYSDOH-NY12058	NYSDOH NELAC/ELAP Program - Queens	NY ELAP-12058	04/01/2026
NYSDOH-NY10854	NYSDOH NELAC/ELAP Program - Stratford	NY ELAP-10854	04/01/2026
PADEP-68-04440	PADEP Registration - Stratford	68-04440	09/30/2026



## Analytical Batch Summary

<b>Batch ID:</b> BJ51886		<b>Preparation Method:</b> Preparation for GC Analysis		<b>Prepared By:</b> GXB	
YORK Sample ID	Client Sample ID	Preparation Date			
25J1654-02	FMW-25	10/29/25			
25J1654-10	Field Blank	10/29/25			
BJ51886-BLK1	Blank	10/29/25			
BJ51886-DUP1	Duplicate	10/29/25			

<b>Batch ID:</b> BJ51954		<b>Preparation Method:</b> EPA 1633 Prep		<b>Prepared By:</b> MG	
YORK Sample ID	Client Sample ID	Preparation Date			
25J1654-01	DPW-2	10/29/25			
25J1654-02	FMW-25	10/29/25			
25J1654-03	FMW-26	10/29/25			
25J1654-04	MW-57	10/29/25			
25J1654-05	MW-43	10/29/25			
25J1654-06	MW-44	10/29/25			
25J1654-07	MW-63	10/29/25			
25J1654-08	Field Duplicate	10/29/25			
25J1654-08RE1	Field Duplicate	10/29/25			
25J1654-09	FMW-8	10/29/25			
25J1654-09RE1	FMW-8	10/29/25			
25J1654-10	Field Blank	10/29/25			
BJ51954-BLK1	Blank	10/29/25			
BJ51954-BS1	LCS	10/29/25			
BJ51954-BS2	LCS	10/29/25			

<b>Batch ID:</b> BK50008		<b>Preparation Method:</b> EPA 5030B		<b>Prepared By:</b> PMB	
YORK Sample ID	Client Sample ID	Preparation Date			
25J1654-01	DPW-2	11/01/25			
25J1654-02	FMW-25	11/01/25			
25J1654-05	MW-43	11/01/25			
25J1654-09	FMW-8	11/01/25			
25J1654-10	Field Blank	11/01/25			
25J1654-11	Trip Blank	11/01/25			
BK50008-BLK1	Blank	11/01/25			
BK50008-BS1	LCS	11/01/25			
BK50008-BSD1	LCS Dup	11/01/25			

<b>Batch ID:</b> BK50153		<b>Preparation Method:</b> EPA 1633 Prep		<b>Prepared By:</b> MG	
YORK Sample ID	Client Sample ID	Preparation Date			
25J1654-07RE1	MW-63	11/04/25			
BK50153-BLK1	Blank	11/04/25			
BK50153-BS1	LCS	11/04/25			
BK50153-BS2	LCS	11/04/25			
BK50153-MS1	Matrix Spike	11/04/25			
BK50153-MSD1	Matrix Spike Dup	11/04/25			



<b>Batch ID:</b> BL50056	<b>Preparation Method:</b> EPA 1633 Prep	<b>Prepared By:</b> MPR
YORK Sample ID	Client Sample ID	Preparation Date
25J1654-07RE3	MW-63	12/01/25
BL50056-BLK1	Blank	12/01/25
BL50056-BS1	LCS	12/01/25
BL50056-BS2	LCS	12/01/25
BL50056-MS1	Matrix Spike	12/01/25
BL50056-MSD1	Matrix Spike Dup	12/01/25



## Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50008 - EPA 5030B</b>											
<b>Blank (BK50008-BLK1)</b>											
										Prepared & Analyzed: 11/01/2025	
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	ug/L								
1,1,2-Trichloroethane	ND	0.500	ug/L								
1,1-Dichloroethane	ND	0.500	ug/L								
1,1-Dichloroethylene	ND	0.500	ug/L								
1,1-Dichloropropylene	ND	0.500	ug/L								
1,2,3-Trichlorobenzene	ND	0.500	ug/L								
1,2,3-Trichloropropane	ND	0.500	ug/L								
1,2,4,5-Tetramethylbenzene	ND	0.500	ug/L								
1,2,4-Trichlorobenzene	ND	0.500	ug/L								
1,2,4-Trimethylbenzene	ND	0.500	ug/L								
1,2-Dibromo-3-chloropropane	ND	0.500	ug/L								
1,2-Dibromoethane	ND	0.500	ug/L								
1,2-Dichlorobenzene	ND	0.500	ug/L								
1,2-Dichloroethane	ND	0.500	ug/L								
1,2-Dichloropropane	ND	0.500	ug/L								
1,3,5-Trimethylbenzene	ND	0.500	ug/L								
1,3-Dichlorobenzene	ND	0.500	ug/L								
1,3-Dichloropropane	ND	0.500	ug/L								
1,4-Dichlorobenzene	ND	0.500	ug/L								
2,2-Dichloropropane	ND	0.500	ug/L								
2-Butanone	ND	0.500	ug/L								
2-Chlorotoluene	ND	0.500	ug/L								
2-Hexanone	ND	0.500	ug/L								
4-Chlorotoluene	ND	0.500	ug/L								
4-Methyl-2-pentanone	ND	0.500	ug/L								
Acetone	ND	2.00	ug/L								
Acrolein	ND	0.500	ug/L								
Acrylonitrile	ND	0.500	ug/L								
Benzene	ND	0.500	ug/L								
Bromobenzene	ND	0.500	ug/L								
Bromochloromethane	ND	0.500	ug/L								
Bromodichloromethane	ND	0.500	ug/L								
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	2.00	ug/L								
Carbon disulfide	ND	0.500	ug/L								
Carbon tetrachloride	ND	0.500	ug/L								
Chlorobenzene	ND	0.500	ug/L								
Chloroethane	ND	0.500	ug/L								
Chloroform	ND	0.500	ug/L								
Chloromethane	ND	0.500	ug/L								
cis-1,2-Dichloroethylene	ND	0.500	ug/L								
cis-1,3-Dichloropropylene	ND	0.500	ug/L								
Cyclohexane	ND	0.500	ug/L								
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	ug/L								
Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	ug/L								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC %REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50008 - EPA 5030B</b>											
<b>Blank (BK50008-BLK1)</b>											
Prepared & Analyzed: 11/01/2025											
Ethyl Benzene	ND	0.500	ug/L								
Ethyl tert-butyl ether (ETBE)	ND	0.800	ug/L								
Hexachlorobutadiene	ND	0.500	ug/L								
Iodomethane	ND	2.00	ug/L								
Isopropylbenzene	ND	0.500	ug/L								
Methyl acetate	ND	0.500	ug/L								
Methyl Methacrylate	ND	0.500	ug/L								
Methyl tert-butyl ether (MTBE)	ND	0.500	ug/L								
Methylcyclohexane	ND	0.500	ug/L								
Methylene chloride	ND	2.00	ug/L								
Naphthalene	0.220	2.00	ug/L								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	ug/L								
p- & m- Xylenes	ND	1.00	ug/L								
p-Diethylbenzene	ND	0.500	ug/L								
p-Ethyltoluene	ND	0.500	ug/L								
p-Isopropyltoluene	ND	0.500	ug/L								
sec-Butylbenzene	ND	0.500	ug/L								
Styrene	ND	0.500	ug/L								
tert-Amyl alcohol (TAA)	ND	8.00	ug/L								
tert-Amyl methyl ether (TAME)	ND	0.800	ug/L								
tert-Butyl alcohol (TBA)	ND	1.00	ug/L								
tert-Butylbenzene	ND	0.500	ug/L								
Tetrachloroethylene	ND	0.500	ug/L								
Tetrahydrofuran	ND	0.500	ug/L								
Toluene	ND	0.500	ug/L								
trans-1,2-Dichloroethylene	ND	0.500	ug/L								
trans-1,3-Dichloropropylene	ND	0.500	ug/L								
trans-1,4-dichloro-2-butene	ND	0.500	ug/L								
Trichloroethylene	ND	0.500	ug/L								
Trichlorofluoromethane	ND	0.500	ug/L								
Vinyl acetate	ND	0.500	ug/L								
Vinyl Chloride	ND	0.500	ug/L								
Xylenes, Total	ND	1.50	ug/L								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.96		ug/L	10.0		99.6	70-130				
Surrogate: SURR: Toluene-d8	11.5		ug/L	10.0		115	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.2		ug/L	10.0		102	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50008 - EPA 5030B</b>											
<b>LCS (BK50008-BS1)</b>						Prepared & Analyzed: 11/01/2025					
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126				
1,1,1-Trichloroethane	9.59		ug/L	10.0		95.9	78-130				
1,1,2,2-Tetrachloroethane	9.67		ug/L	10.0		96.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.47		ug/L	10.0		94.7	70-130				
1,1,2-Trichloroethane	11.0		ug/L	10.0		110	82-123				
1,1-Dichloroethane	9.24		ug/L	10.0		92.4	82-129				
1,1-Dichloroethylene	9.19		ug/L	10.0		91.9	70-130				
1,1-Dichloropropylene	8.72		ug/L	10.0		87.2	83-133				
1,2,3-Trichlorobenzene	8.55		ug/L	10.0		85.5	76-130				
1,2,3-Trichloropropane	9.19		ug/L	10.0		91.9	77-128				
1,2,4,5-Tetramethylbenzene	8.68		ug/L	10.0		86.8	85-140				
1,2,4-Trichlorobenzene	8.91		ug/L	10.0		89.1	76-130				
1,2,4-Trimethylbenzene	9.22		ug/L	10.0		92.2	82-132				
1,2-Dibromo-3-chloropropane	9.37		ug/L	10.0		93.7	45-147				
1,2-Dibromoethane	11.2		ug/L	10.0		112	83-124				
1,2-Dichlorobenzene	8.86		ug/L	10.0		88.6	79-123				
1,2-Dichloroethane	8.99		ug/L	10.0		89.9	73-130				
1,2-Dichloropropane	10.5		ug/L	10.0		105	78-126				
1,3,5-Trimethylbenzene	9.04		ug/L	10.0		90.4	80-131				
1,3-Dichlorobenzene	8.67		ug/L	10.0		86.7	86-122				
1,3-Dichloropropane	11.1		ug/L	10.0		111	81-125				
1,4-Dichlorobenzene	9.07		ug/L	10.0		90.7	85-124				
2,2-Dichloropropane	10.1		ug/L	10.0		101	56-150				
2-Butanone	8.51		ug/L	10.0		85.1	49-152				
2-Chlorotoluene	8.62		ug/L	10.0		86.2	79-130				
2-Hexanone	10.2		ug/L	10.0		102	51-146				
4-Chlorotoluene	9.01		ug/L	10.0		90.1	79-128				
4-Methyl-2-pentanone	10.7		ug/L	10.0		107	57-145				
Acetone	6.24		ug/L	10.0		62.4	40-150				
Acrolein	44.4		ug/L	40.0		111	10-153				
Acrylonitrile	10.6		ug/L	10.0		106	51-150				
Benzene	9.38		ug/L	10.0		93.8	85-126				
Bromobenzene	8.82		ug/L	10.0		88.2	78-129				
Bromochloromethane	9.50		ug/L	10.0		95.0	77-128				
Bromodichloromethane	11.2		ug/L	10.0		112	79-128				
Bromoform	11.8		ug/L	10.0		118	78-130				
Bromomethane	9.32		ug/L	10.0		93.2	43-160				
Carbon disulfide	9.13		ug/L	10.0		91.3	68-146				
Carbon tetrachloride	9.46		ug/L	10.0		94.6	77-130				
Chlorobenzene	10.6		ug/L	10.0		106	88-120				
Chloroethane	10.2		ug/L	10.0		102	65-136				
Chloroform	9.10		ug/L	10.0		91.0	82-128				
Chloromethane	7.68		ug/L	10.0		76.8	43-155				
cis-1,2-Dichloroethylene	9.51		ug/L	10.0		95.1	83-129				
cis-1,3-Dichloropropylene	11.6		ug/L	10.0		116	80-130				
Cyclohexane	9.10		ug/L	10.0		91.0	70-130				
Dibromochloromethane	11.4		ug/L	10.0		114	80-130				
Dibromomethane	11.0		ug/L	10.0		110	72-134				
Dichlorodifluoromethane	7.15		ug/L	10.0		71.5	44-144				
Diisopropyl ether (DIPE)	8.84		ug/L	10.0		88.4	70-130				
Ethyl Benzene	10.6		ug/L	10.0		106	80-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50008 - EPA 5030B</b>											
<b>LCS (BK50008-BS1)</b>											
Prepared & Analyzed: 11/01/2025											
Ethyl tert-butyl ether (ETBE)	8.62		ug/L	10.0		86.2	70-130				
Hexachlorobutadiene	9.01		ug/L	10.0		90.1	67-146				
Iodomethane	5.83		ug/L	10.0		58.3	70-130	Low Bias			
Isopropylbenzene	9.24		ug/L	10.0		92.4	76-130				
Methyl acetate	13.5		ug/L	10.0		135	70-130	High Bias			
Methyl Methacrylate	12.3		ug/L	10.0		123	72-132				
Methyl tert-butyl ether (MTBE)	8.63		ug/L	10.0		86.3	76-130				
Methylcyclohexane	10.1		ug/L	10.0		101	72-130				
Methylene chloride	9.28		ug/L	10.0		92.8	70-130				
Naphthalene	9.56		ug/L	10.0		95.6	70-147				
n-Butylbenzene	8.41		ug/L	10.0		84.1	79-132				
n-Propylbenzene	9.02		ug/L	10.0		90.2	78-133				
o-Xylene	10.7		ug/L	10.0		107	78-130				
p- & m- Xylenes	21.4		ug/L	20.0		107	77-130				
p-Diethylbenzene	8.46		ug/L	10.0		84.6	84-134				
p-Ethyltoluene	8.45		ug/L	10.0		84.5	88-129	Low Bias			
p-Isopropyltoluene	8.80		ug/L	10.0		88.0	81-136				
sec-Butylbenzene	8.81		ug/L	10.0		88.1	79-137				
Styrene	10.0		ug/L	10.0		100	70-130				
tert-Amyl alcohol (TAA)	80.7		ug/L	100		80.7	70-130				
tert-Amyl methyl ether (TAME)	8.83		ug/L	10.0		88.3	70-130				
tert-Butyl alcohol (TBA)	49.1		ug/L	50.0		98.1	25-162				
tert-Butylbenzene	8.80		ug/L	10.0		88.0	77-138				
Tetrachloroethylene	6.34		ug/L	10.0		63.4	82-130	Low Bias			
Tetrahydrofuran	9.15		ug/L	10.0		91.5	36-166				
Toluene	10.2		ug/L	10.0		102	80-127				
trans-1,2-Dichloroethylene	9.16		ug/L	10.0		91.6	80-130				
trans-1,3-Dichloropropylene	12.1		ug/L	10.0		121	78-130				
trans-1,4-dichloro-2-butene	9.42		ug/L	10.0		94.2	63-141				
Trichloroethylene	9.96		ug/L	10.0		99.6	82-128				
Trichlorofluoromethane	8.54		ug/L	10.0		85.4	67-139				
Vinyl acetate	11.7		ug/L	10.0		117	21-90	High Bias			
Vinyl Chloride	8.90		ug/L	10.0		89.0	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.54		ug/L	10.0		95.4	70-130				
Surrogate: SURR: Toluene-d8	11.3		ug/L	10.0		113	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.78		ug/L	10.0		97.8	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50008 - EPA 5030B</b>											
<b>LCS Dup (BK50008-BSD1)</b>						Prepared & Analyzed: 11/01/2025					
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126		2.13	30	
1,1,1-Trichloroethane	9.21		ug/L	10.0		92.1	78-130		4.04	20	
1,1,2,2-Tetrachloroethane	9.68		ug/L	10.0		96.8	76-129		0.103	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.22		ug/L	10.0		92.2	70-130		2.68	20	
1,1,2-Trichloroethane	10.9		ug/L	10.0		109	82-123		1.19	20	
1,1-Dichloroethane	9.03		ug/L	10.0		90.3	82-129		2.30	20	
1,1-Dichloroethylene	8.90		ug/L	10.0		89.0	70-130		3.21	20	
1,1-Dichloropropylene	8.41		ug/L	10.0		84.1	83-133		3.62	30	
1,2,3-Trichlorobenzene	8.63		ug/L	10.0		86.3	76-130		0.931	20	
1,2,3-Trichloropropane	8.95		ug/L	10.0		89.5	77-128		2.65	30	
1,2,4,5-Tetramethylbenzene	8.49		ug/L	10.0		84.9	85-140	Low Bias	2.21	30	
1,2,4-Trichlorobenzene	9.01		ug/L	10.0		90.1	76-130		1.12	20	
1,2,4-Trimethylbenzene	9.06		ug/L	10.0		90.6	82-132		1.75	20	
1,2-Dibromo-3-chloropropane	9.17		ug/L	10.0		91.7	45-147		2.16	20	
1,2-Dibromoethane	11.2		ug/L	10.0		112	83-124		0.0892	20	
1,2-Dichlorobenzene	8.78		ug/L	10.0		87.8	79-123		0.907	20	
1,2-Dichloroethane	8.91		ug/L	10.0		89.1	73-130		0.894	20	
1,2-Dichloropropane	10.4		ug/L	10.0		104	78-126		0.954	20	
1,3,5-Trimethylbenzene	8.98		ug/L	10.0		89.8	80-131		0.666	30	
1,3-Dichlorobenzene	8.56		ug/L	10.0		85.6	86-122	Low Bias	1.28	20	
1,3-Dichloropropane	10.9		ug/L	10.0		109	81-125		1.64	30	
1,4-Dichlorobenzene	8.87		ug/L	10.0		88.7	85-124		2.23	20	
2,2-Dichloropropane	9.76		ug/L	10.0		97.6	56-150		3.62	30	
2-Butanone	8.71		ug/L	10.0		87.1	49-152		2.32	20	
2-Chlorotoluene	8.49		ug/L	10.0		84.9	79-130		1.52	30	
2-Hexanone	10.3		ug/L	10.0		103	51-146		0.876	20	
4-Chlorotoluene	8.85		ug/L	10.0		88.5	79-128		1.79	30	
4-Methyl-2-pentanone	10.6		ug/L	10.0		106	57-145		0.0939	20	
Acetone	6.92		ug/L	10.0		69.2	40-150		10.3	20	
Acrolein	46.1		ug/L	40.0		115	10-153		3.82	30	
Acrylonitrile	10.5		ug/L	10.0		105	51-150		1.33	30	
Benzene	9.17		ug/L	10.0		91.7	85-126		2.26	20	
Bromobenzene	8.59		ug/L	10.0		85.9	78-129		2.64	30	
Bromochloromethane	9.33		ug/L	10.0		93.3	77-128		1.81	20	
Bromodichloromethane	11.1		ug/L	10.0		111	79-128		1.61	20	
Bromoform	11.6		ug/L	10.0		116	78-130		1.03	20	
Bromomethane	10.7		ug/L	10.0		107	43-160		13.4	20	
Carbon disulfide	8.82		ug/L	10.0		88.2	68-146		3.45	20	
Carbon tetrachloride	9.17		ug/L	10.0		91.7	77-130		3.11	20	
Chlorobenzene	10.5		ug/L	10.0		105	88-120		1.05	20	
Chloroethane	10.4		ug/L	10.0		104	65-136		1.46	20	
Chloroform	8.96		ug/L	10.0		89.6	82-128		1.55	20	
Chloromethane	7.69		ug/L	10.0		76.9	43-155		0.130	20	
cis-1,2-Dichloroethylene	9.33		ug/L	10.0		93.3	83-129		1.91	20	
cis-1,3-Dichloropropylene	11.3		ug/L	10.0		113	80-130		2.53	20	
Cyclohexane	8.86		ug/L	10.0		88.6	70-130		2.67	20	
Dibromochloromethane	11.0		ug/L	10.0		110	80-130		3.67	20	
Dibromomethane	10.7		ug/L	10.0		107	72-134		2.40	30	
Dichlorodifluoromethane	6.85		ug/L	10.0		68.5	44-144		4.29	20	
Diisopropyl ether (DIPE)	8.72		ug/L	10.0		87.2	70-130		1.37	30	
Ethyl Benzene	10.5		ug/L	10.0		105	80-130		1.52	20	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC %REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50008 - EPA 5030B</b>											
<b>LCS Dup (BK50008-BSD1)</b>											
										Prepared & Analyzed: 11/01/2025	
Ethyl tert-butyl ether (ETBE)	8.63		ug/L	10.0		86.3	70-130		0.116	30	
Hexachlorobutadiene	8.92		ug/L	10.0		89.2	67-146		1.00	30	
Iodomethane	5.60		ug/L	10.0		56.0	70-130	Low Bias	4.02	20	
Isopropylbenzene	9.02		ug/L	10.0		90.2	76-130		2.41	20	
Methyl acetate	13.7		ug/L	10.0		137	70-130	High Bias	1.32	20	
Methyl Methacrylate	12.3		ug/L	10.0		123	72-132		0.163	30	
Methyl tert-butyl ether (MTBE)	8.49		ug/L	10.0		84.9	76-130		1.64	20	
Methylcyclohexane	9.83		ug/L	10.0		98.3	72-130		2.61	20	
Methylene chloride	9.32		ug/L	10.0		93.2	70-130		0.430	20	
Naphthalene	9.72		ug/L	10.0		97.2	70-147		1.66	30	
n-Butylbenzene	8.37		ug/L	10.0		83.7	79-132		0.477	30	
n-Propylbenzene	8.87		ug/L	10.0		88.7	78-133		1.68	30	
o-Xylene	10.6		ug/L	10.0		106	78-130		1.69	20	
p- & m- Xylenes	20.9		ug/L	20.0		105	77-130		2.08	20	
p-Diethylbenzene	8.43		ug/L	10.0		84.3	84-134		0.355	30	
p-Ethyltoluene	8.32		ug/L	10.0		83.2	88-129	Low Bias	1.55	30	
p-Isopropyltoluene	8.71		ug/L	10.0		87.1	81-136		1.03	30	
sec-Butylbenzene	8.81		ug/L	10.0		88.1	79-137		0.00	30	
Styrene	10.4		ug/L	10.0		104	70-130		3.14	20	
tert-Amyl alcohol (TAA)	80.6		ug/L	100		80.6	70-130		0.174	30	
tert-Amyl methyl ether (TAME)	8.82		ug/L	10.0		88.2	70-130		0.113	30	
tert-Butyl alcohol (TBA)	49.9		ug/L	50.0		99.7	25-162		1.62	30	
tert-Butylbenzene	8.70		ug/L	10.0		87.0	77-138		1.14	30	
Tetrachloroethylene	6.22		ug/L	10.0		62.2	82-130	Low Bias	1.91	20	
Tetrahydrofuran	9.38		ug/L	10.0		93.8	36-166		2.48	30	
Toluene	9.98		ug/L	10.0		99.8	80-127		2.57	20	
trans-1,2-Dichloroethylene	8.81		ug/L	10.0		88.1	80-130		3.90	20	
trans-1,3-Dichloropropylene	11.7		ug/L	10.0		117	78-130		3.35	20	
trans-1,4-dichloro-2-butene	9.13		ug/L	10.0		91.3	63-141		3.13	30	
Trichloroethylene	9.77		ug/L	10.0		97.7	82-128		1.93	20	
Trichlorofluoromethane	8.38		ug/L	10.0		83.8	67-139		1.89	20	
Vinyl acetate	11.3		ug/L	10.0		113	21-90	High Bias	2.87	30	
Vinyl Chloride	8.59		ug/L	10.0		85.9	70-130		3.54	20	
Surrogate: Surr: 1,2-Dichloroethane-d4	9.72		ug/L	10.0		97.2	70-130				
Surrogate: Surr: Toluene-d8	11.2		ug/L	10.0		112	81-117				
Surrogate: Surr: p-Bromofluorobenzene	9.67		ug/L	10.0		96.7	79-122				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ51954 - EPA 1633 Prep</b>											
<b>Blank (BJ51954-BLK1)</b>											
Prepared: 10/29/2025 Analyzed: 11/01/2025											
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	ng/L								
Perfluorooctanoic acid (PFOA)	ND	2.00	ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	ng/L								
Perfluorononanoic acid (PFNA)	ND	2.00	ng/L								
Perfluorodecanoic acid (PFDA)	ND	2.00	ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	ng/L								
Perfluorododecanoic acid (PFDoA)	ND	2.00	ng/L								
Perfluorotridecanoic acid (PFTTrDA)	ND	2.00	ng/L								
Perfluorotetradecanoic acid (PFTTA)	ND	2.00	ng/L								
N-MeFOSAA	ND	2.00	ng/L								
N-EtFOSAA	ND	5.00	ng/L								
Perfluoropentanoic acid (PFPeA)	ND	4.00	ng/L								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	ng/L								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	ng/L								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	ng/L								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	ng/L								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	ng/L								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	ng/L								
HFPO-DA (Gen-X)	ND	8.00	ng/L								
11CL-PF3OUdS	ND	7.56	ng/L								
9CL-PF3ONS	ND	7.48	ng/L								
ADONA	ND	7.56	ng/L								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	ng/L								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	ng/L								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	ng/L								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	ng/L								
N-MeFOSE	ND	20.0	ng/L								
N-MeFOSA	ND	2.00	ng/L								
N-EtFOSE	ND	20.0	ng/L								
N-EtFOSA	ND	2.00	ng/L								
<i>Surrogate: M3PFBS</i>	21.1		ng/L	23.3		90.7	40-135				
<i>Surrogate: M5PFHxA</i>	20.9		ng/L	25.0		83.8	40-130				
<i>Surrogate: M4PFHpA</i>	18.5		ng/L	25.0		74.1	40-130				
<i>Surrogate: M3PFHxS</i>	20.8		ng/L	23.7		87.7	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ51954 - EPA 1633 Prep</b>											
<b>Blank (BJ51954-BLK1)</b>											
						Prepared: 10/29/2025 Analyzed: 11/01/2025					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	20.6		ng/L	25.0		82.2	40-130				
Surrogate: M6PFDA	10.2		ng/L	12.5		81.9	40-130				
Surrogate: M7PFUdA	9.22		ng/L	12.5		73.8	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.42		ng/L	12.5		67.4	10-130				
Surrogate: M2PFTeDA	7.63		ng/L	12.5		61.0	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	86.4		ng/L	100		86.4	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	20.4		ng/L	24.0		85.2	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	42.9		ng/L	50.0		85.8	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	24.2		ng/L	25.0		96.9	40-130				
Surrogate: d3-N-MeFOSAA	39.9		ng/L	50.0		79.7	40-170				
Surrogate: d5-N-EtFOSAA	42.4		ng/L	50.0		84.9	25-135				
Surrogate: M2-6:2 FTS	46.7		ng/L	47.6		98.3	40-200				
Surrogate: M2-8:2 FTS	47.3		ng/L	48.0		98.5	40-300				
Surrogate: M9PFNA	10.9		ng/L	12.5		87.4	40-130				
Surrogate: M2-4:2 FTS	48.6		ng/L	46.9		104	40-200				
Surrogate: d-N-MeFOSA	18.2		ng/L	25.0		72.9	10-130				
Surrogate: d-N-EtFOSA	15.4		ng/L	25.0		61.5	10-130				
Surrogate: M3HFPO-DA	94.6		ng/L	100		94.6	40-130				
Surrogate: d9-N-EtFOSE	143		ng/L	250		57.0	10-130				
Surrogate: d7-N-MeFOSE	153		ng/L	250		61.2	10-130				
<b>LCS (BJ51954-BS1)</b>						Prepared: 10/29/2025 Analyzed: 11/01/2025					
Perfluorobutanesulfonic acid (PFBS)	41.6	1.77	ng/L	35.4		118	60-145				
Perfluorohexanoic acid (PFHxA)	46.2	2.00	ng/L	40.0		116	70-145				
Perfluoroheptanoic acid (PFHpA)	53.0	2.00	ng/L	40.0		133	70-150				
Perfluorohexanesulfonic acid (PFHxS)	39.4	1.83	ng/L	36.6		108	65-145				
Perfluorooctanoic acid (PFOA)	46.9	2.00	ng/L	40.0		117	70-150				
Perfluorooctanesulfonic acid (PFOS)	42.9	1.86	ng/L	37.2		115	55-150				
Perfluorononanoic acid (PFNA)	47.1	2.00	ng/L	40.0		118	70-150				
Perfluorodecanoic acid (PFDA)	49.1	2.00	ng/L	40.0		123	70-140				
Perfluoroundecanoic acid (PFUnA)	51.4	2.00	ng/L	40.0		128	70-145				
Perfluorododecanoic acid (PFDoA)	51.4	2.00	ng/L	40.0		128	70-140				
Perfluorotridecanoic acid (PFTrDA)	51.9	2.00	ng/L	40.0		130	65-140				
Perfluorotetradecanoic acid (PFTA)	45.9	2.00	ng/L	40.0		115	60-140				
N-MeFOSAA	43.4	2.00	ng/L	40.0		109	50-140				
N-EtFOSAA	41.4	5.00	ng/L	40.0		103	70-145				
Perfluoropentanoic acid (PFPeA)	90.1	4.00	ng/L	80.0		113	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	44.6	2.00	ng/L	40.0		112	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	43.6	1.91	ng/L	38.2		114	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	41.3	1.93	ng/L	38.6		107	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	165	7.60	ng/L	152		109	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	196	7.68	ng/L	154		128	60-150				
Perfluoro-n-butanoic acid (PFBA)	183	8.00	ng/L	160		115	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	84.7	3.56	ng/L	71.2		119	70-140				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ51954 - EPA 1633 Prep</b>											
<b>LCS (BJ51954-BS1)</b>											
Prepared: 10/29/2025 Analyzed: 11/01/2025											
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	93.3	4.00	ng/L	80.0		117	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	90.4	4.00	ng/L	80.0		113	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	91.1	4.00	ng/L	80.0		114	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	42.1	1.88	ng/L	37.6		112	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	173	7.50	ng/L	150		115	70-145				
HFPO-DA (Gen-X)	78.0	8.00	ng/L	80.0		97.4	70-140				
11CL-PF3OUdS	83.1	7.56	ng/L	75.6		110	55-160				
9CL-PF3ONS	90.3	7.48	ng/L	74.8		121	70-155				
ADONA	86.9	7.56	ng/L	75.6		115	65-145				
Perfluorododecanesulfonic acid (PFDoS)	35.7	1.94	ng/L	38.8		92.0	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	44.1	1.92	ng/L	38.4		115	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	231	10.0	ng/L	160		144	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	1000	50.0	ng/L	800		125	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	1130	50.0	ng/L	800		141	50-145				
N-MeFOSE	479	20.0	ng/L	400		120	70-145				
N-MeFOSA	46.7	2.00	ng/L	40.0		117	60-150				
N-EtFOSE	495	20.0	ng/L	400		124	70-135				
N-EtFOSA	47.3	2.00	ng/L	40.0		118	65-145				
<i>Surrogate: M3PFBS</i>	20.9		ng/L	23.3		89.8	40-135				
<i>Surrogate: M5PFHxA</i>	21.0		ng/L	25.0		83.9	40-130				
<i>Surrogate: M4PFHpA</i>	18.2		ng/L	25.0		72.9	40-130				
<i>Surrogate: M3PFHxS</i>	20.0		ng/L	23.7		84.4	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFDA)</i>	19.1		ng/L	25.0		76.6	40-130				
<i>Surrogate: M6PFDA</i>	10.5		ng/L	12.5		83.9	40-130				
<i>Surrogate: M7PFUdA</i>	9.40		ng/L	12.5		75.2	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	7.79		ng/L	12.5		62.3	10-130				
<i>Surrogate: M2PFTeDA</i>	6.93		ng/L	12.5		55.5	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	85.8		ng/L	100		85.8	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	20.0		ng/L	24.0		83.5	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	42.6		ng/L	50.0		85.3	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOA)</i>	22.7		ng/L	25.0		90.9	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	39.3		ng/L	50.0		78.7	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	38.4		ng/L	50.0		76.7	25-135				
<i>Surrogate: M2-6:2 FTS</i>	43.4		ng/L	47.6		91.3	40-200				
<i>Surrogate: M2-8:2 FTS</i>	41.1		ng/L	48.0		85.5	40-300				
<i>Surrogate: M9PFNA</i>	10.1		ng/L	12.5		80.7	40-130				
<i>Surrogate: M2-4:2 FTS</i>	42.4		ng/L	46.9		90.3	40-200				
<i>Surrogate: d-N-MeFOSA</i>	19.8		ng/L	25.0		79.3	10-130				
<i>Surrogate: d-N-EtFOA</i>	17.3		ng/L	25.0		69.4	10-130				
<i>Surrogate: M3HFPO-DA</i>	87.3		ng/L	100		87.3	40-130				
<i>Surrogate: d9-N-EtFOSE</i>	151		ng/L	250		60.2	10-130				
<i>Surrogate: d7-N-MeFOSE</i>	159		ng/L	250		63.7	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ51954 - EPA 1633 Prep</b>											
<b>LCS (BJ51954-BS2)</b>						Prepared: 10/29/2025 Analyzed: 11/01/2025					
Perfluorobutanesulfonic acid (PFBS)	3.95	1.77	ng/L	3.54		111	60-145				
Perfluorohexanoic acid (PFHxA)	3.79	2.00	ng/L	4.00		94.9	70-145				
Perfluoroheptanoic acid (PFHpA)	4.24	2.00	ng/L	4.00		106	70-150				
Perfluorohexanesulfonic acid (PFHxS)	4.30	1.83	ng/L	3.66		117	65-145				
Perfluorooctanoic acid (PFOA)	4.64	2.00	ng/L	4.00		116	70-150				
Perfluorooctanesulfonic acid (PFOS)	3.29	1.86	ng/L	3.72		88.4	55-150				
Perfluorononanoic acid (PFNA)	4.42	2.00	ng/L	4.00		111	70-150				
Perfluorodecanoic acid (PFDA)	4.09	2.00	ng/L	4.00		102	70-140				
Perfluoroundecanoic acid (PFUnA)	4.33	2.00	ng/L	4.00		108	70-145				
Perfluorododecanoic acid (PFDoA)	4.21	2.00	ng/L	4.00		105	70-140				
Perfluorotridecanoic acid (PFTrDA)	4.44	2.00	ng/L	4.00		111	65-140				
Perfluorotetradecanoic acid (PFTA)	4.27	2.00	ng/L	4.00		107	60-140				
N-MeFOSAA	4.32	2.00	ng/L	4.00		108	50-140				
N-EtFOSAA	3.98	5.00	ng/L	4.00		99.5	70-145				
Perfluoropentanoic acid (PFPeA)	7.48	4.00	ng/L	8.00		93.5	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	3.11	2.00	ng/L	4.00		77.8	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.23	1.91	ng/L	3.82		84.7	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.38	1.93	ng/L	3.86		87.6	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	14.3	7.60	ng/L	15.2		94.3	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	14.7	7.68	ng/L	15.4		96.0	60-150				
Perfluoro-n-butanoic acid (PFBA)	15.6	8.00	ng/L	16.0		97.2	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.35	3.56	ng/L	7.12		103	70-140				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	8.95	4.00	ng/L	8.00		112	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	7.98	4.00	ng/L	8.00		99.8	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	8.27	4.00	ng/L	8.00		103	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	4.00	1.88	ng/L	3.76		106	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	14.8	7.50	ng/L	15.0		98.9	70-145				
HFPO-DA (Gen-X)	7.67	8.00	ng/L	8.00		95.9	70-140				
11CL-PF3OUdS	8.08	7.56	ng/L	7.56		107	55-160				
9CL-PF3ONS	8.80	7.48	ng/L	7.48		118	70-155				
ADONA	7.97	7.56	ng/L	7.56		105	65-145				
Perfluorododecanesulfonic acid (PFDoS)	2.94	1.94	ng/L	3.88		75.8	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	3.38	1.92	ng/L	3.84		88.1	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	22.6	10.0	ng/L	16.0		141	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	83.4	50.0	ng/L	80.0		104	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	88.3	50.0	ng/L	80.0		110	50-145				
N-MeFOSE	45.6	20.0	ng/L	40.0		114	70-145				
N-MeFOSA	4.27	2.00	ng/L	4.00		107	60-150				
N-EtFOSE	47.0	20.0	ng/L	40.0		118	70-135				
N-EtFOSA	4.43	2.00	ng/L	4.00		111	65-145				
Surrogate: M3PFBS	18.9		ng/L	23.3		81.3	40-135				
Surrogate: M5PFHxA	19.9		ng/L	25.0		79.5	40-130				
Surrogate: M4PFHpA	18.6		ng/L	25.0		74.4	40-130				
Surrogate: M3PFHxS	19.2		ng/L	23.7		81.2	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ51954 - EPA 1633 Prep</b>											
<b>LCS (BJ51954-BS2)</b> <span style="float: right;">Prepared: 10/29/2025 Analyzed: 11/01/2025</span>											
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	18.8		ng/L	25.0		75.2	40-130				
Surrogate: M6PFDA	9.01		ng/L	12.5		72.1	40-130				
Surrogate: M7PFUdA	8.20		ng/L	12.5		65.6	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	7.67		ng/L	12.5		61.4	10-130				
Surrogate: M2PFTeDA	6.18		ng/L	12.5		49.4	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	81.9		ng/L	100		81.9	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.2		ng/L	24.0		88.6	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	40.5		ng/L	50.0		81.1	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	21.8		ng/L	25.0		87.0	40-130				
Surrogate: d3-N-MeFOSAA	37.5		ng/L	50.0		75.0	40-170				
Surrogate: d5-N-EtFOSAA	35.9		ng/L	50.0		71.8	25-135				
Surrogate: M2-6:2 FTS	43.9		ng/L	47.6		92.2	40-200				
Surrogate: M2-8:2 FTS	44.1		ng/L	48.0		91.9	40-300				
Surrogate: M9PFNA	9.37		ng/L	12.5		75.0	40-130				
Surrogate: M2-4:2 FTS	44.8		ng/L	46.9		95.6	40-200				
Surrogate: d-N-MeFOSA	17.4		ng/L	25.0		69.4	10-130				
Surrogate: d-N-EtFOSA	15.0		ng/L	25.0		60.1	10-130				
Surrogate: M3HFPO-DA	86.2		ng/L	100		86.2	40-130				
Surrogate: d9-N-EtFOSE	130		ng/L	250		52.0	10-130				
Surrogate: d7-N-MeFOSE	141		ng/L	250		56.4	10-130				
<b>Batch BK50153 - EPA 1633 Prep</b>											
<b>Blank (BK50153-BLK1)</b> <span style="float: right;">Prepared: 11/04/2025 Analyzed: 11/06/2025</span>											
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	ng/L								
Perfluorooctanoic acid (PFOA)	ND	2.00	ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	ng/L								
Perfluorononanoic acid (PFNA)	ND	2.00	ng/L								
Perfluorodecanoic acid (PFDA)	ND	2.00	ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	ng/L								
Perfluorododecanoic acid (PFDoA)	ND	2.00	ng/L								
Perfluorotridecanoic acid (PFTTrDA)	ND	2.00	ng/L								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	ng/L								
N-MeFOSAA	ND	2.00	ng/L								
N-EtFOSAA	ND	5.00	ng/L								
Perfluoropentanoic acid (PFPeA)	ND	4.00	ng/L								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	ng/L								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	ng/L								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	ng/L								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	ng/L								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	ng/L								



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50153 - EPA 1633 Prep</b>											
<b>Blank (BK50153-BLK1)</b>											
Prepared: 11/04/2025 Analyzed: 11/06/2025											
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	ng/L								
HFPO-DA (Gen-X)	ND	8.00	ng/L								
11CL-PF3OUdS	ND	7.56	ng/L								
9CL-PF3ONS	ND	7.48	ng/L								
ADONA	ND	7.56	ng/L								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	ng/L								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	ng/L								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	ng/L								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	ng/L								
N-MeFOSE	ND	20.0	ng/L								
N-MeFOSA	ND	2.00	ng/L								
N-EtFOSE	ND	20.0	ng/L								
N-EtFOSA	ND	2.00	ng/L								
<i>Surrogate: M3PFBS</i>	24.9		ng/L	23.3		107	40-135				
<i>Surrogate: M5PFHxA</i>	22.6		ng/L	25.0		90.4	40-130				
<i>Surrogate: M4PFHpA</i>	23.8		ng/L	25.0		95.0	40-130				
<i>Surrogate: M3PFHxS</i>	23.7		ng/L	23.7		99.8	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	22.0		ng/L	25.0		87.8	40-130				
<i>Surrogate: M6PFDA</i>	10.9		ng/L	12.5		87.0	40-130				
<i>Surrogate: M7PFUdA</i>	10.7		ng/L	12.5		85.6	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDaA)</i>	8.78		ng/L	12.5		70.3	10-130				
<i>Surrogate: M2PFTeDA</i>	8.20		ng/L	12.5		65.6	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	91.7		ng/L	100		91.7	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	25.9		ng/L	24.0		108	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	44.7		ng/L	50.0		89.5	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	28.8		ng/L	25.0		115	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	40.2		ng/L	50.0		80.5	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	43.0		ng/L	50.0		86.1	25-135				
<i>Surrogate: M2-6:2 FTS</i>	60.5		ng/L	47.6		127	40-200				
<i>Surrogate: M2-8:2 FTS</i>	54.6		ng/L	48.0		114	40-300				
<i>Surrogate: M9PFNA</i>	12.6		ng/L	12.5		101	40-130				
<i>Surrogate: M2-4:2 FTS</i>	54.0		ng/L	46.9		115	40-200				
<i>Surrogate: d-N-MeFOSA</i>	20.5		ng/L	25.0		81.8	10-130				
<i>Surrogate: d-N-EtFOSA</i>	17.5		ng/L	25.0		70.2	10-130				
<i>Surrogate: M3HFPO-DA</i>	92.1		ng/L	100		92.1	40-130				
<i>Surrogate: d9-N-EtFOSE</i>	188		ng/L	250		75.3	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50153 - EPA 1633 Prep</b>											
<b>Blank (BK50153-BLK1)</b>											
Prepared: 11/04/2025 Analyzed: 11/06/2025											
Surrogate: d7-N-MeFOSE	202		ng/L	250		80.6	10-130				
<b>LCS (BK50153-BS1)</b>											
Prepared: 11/04/2025 Analyzed: 11/06/2025											
Perfluorobutanesulfonic acid (PFBS)	37.6	1.77	ng/L	35.4		106	60-145				
Perfluorohexanoic acid (PFHxA)	43.6	2.00	ng/L	40.0		109	70-145				
Perfluoroheptanoic acid (PFHpA)	42.3	2.00	ng/L	40.0		106	70-150				
Perfluorohexanesulfonic acid (PFHxS)	36.3	1.83	ng/L	36.6		99.2	65-145				
Perfluorooctanoic acid (PFOA)	47.2	2.00	ng/L	40.0		118	70-150				
Perfluorooctanesulfonic acid (PFOS)	36.1	1.86	ng/L	37.2		97.0	55-150				
Perfluorononanoic acid (PFNA)	45.3	2.00	ng/L	40.0		113	70-150				
Perfluorodecanoic acid (PFDA)	45.6	2.00	ng/L	40.0		114	70-140				
Perfluoroundecanoic acid (PFUnA)	45.0	2.00	ng/L	40.0		113	70-145				
Perfluorododecanoic acid (PFDoA)	51.8	2.00	ng/L	40.0		130	70-140				
Perfluorotridecanoic acid (PFTrDA)	48.6	2.00	ng/L	40.0		122	65-140				
Perfluorotetradecanoic acid (PFTTA)	46.6	2.00	ng/L	40.0		117	60-140				
N-MeFOSAA	43.9	2.00	ng/L	40.0		110	50-140				
N-EtFOSAA	40.5	5.00	ng/L	40.0		101	70-145				
Perfluoropentanoic acid (PFPeA)	85.3	4.00	ng/L	80.0		107	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	43.4	2.00	ng/L	40.0		109	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	35.8	1.91	ng/L	38.2		93.6	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	35.0	1.93	ng/L	38.6		90.7	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	168	7.60	ng/L	152		110	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	161	7.68	ng/L	154		105	60-150				
Perfluoro-n-butanoic acid (PFBA)	172	8.00	ng/L	160		108	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	85.5	3.56	ng/L	71.2		120	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	92.4	4.00	ng/L	80.0		116	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	87.4	4.00	ng/L	80.0		109	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	94.2	4.00	ng/L	80.0		118	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	36.0	1.88	ng/L	37.6		95.8	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	163	7.50	ng/L	150		108	70-145				
HFPO-DA (Gen-X)	98.5	8.00	ng/L	80.0		123	70-140				
11CL-PF3OUdS	86.6	7.56	ng/L	75.6		114	55-160				
9CL-PF3ONS	87.7	7.48	ng/L	74.8		117	70-155				
ADONA	87.0	7.56	ng/L	75.6		115	65-145				
Perfluorododecanesulfonic acid (PFDoS)	22.9	1.94	ng/L	38.8		59.0	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	37.0	1.92	ng/L	38.4		96.3	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	298	10.0	ng/L	160		186	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	1010	50.0	ng/L	800		126	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	1150	50.0	ng/L	800		143	50-145				
N-MeFOSE	460	20.0	ng/L	400		115	70-145				
N-MeFOSA	46.6	2.00	ng/L	40.0		116	60-150				
N-EtFOSE	502	20.0	ng/L	400		125	70-135				
N-EtFOSA	45.9	2.00	ng/L	40.0		115	65-145				
Surrogate: M3PFBS	26.5		ng/L	23.3		114	40-135				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50153 - EPA 1633 Prep</b>											
<b>LCS (BK50153-BS1)</b>						Prepared: 11/04/2025 Analyzed: 11/06/2025					
Surrogate: M5PFHxA	24.6		ng/L	25.0		98.4	40-130				
Surrogate: M4PFHxA	26.4		ng/L	25.0		106	40-130				
Surrogate: M3PFHxS	26.8		ng/L	23.7		113	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	23.6		ng/L	25.0		94.6	40-130				
Surrogate: M6PFDA	12.5		ng/L	12.5		100	40-130				
Surrogate: M7PFUDa	12.0		ng/L	12.5		95.8	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.1		ng/L	12.5		81.0	10-130				
Surrogate: M2PFTEdA	9.40		ng/L	12.5		75.2	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	97.2		ng/L	100		97.2	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26.8		ng/L	24.0		112	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	48.7		ng/L	50.0		97.3	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	28.2		ng/L	25.0		113	40-130				
Surrogate: d3-N-MeFOSAA	41.4		ng/L	50.0		82.9	40-170				
Surrogate: d5-N-EtFOSAA	42.1		ng/L	50.0		84.2	25-135				
Surrogate: M2-6:2 FTS	47.7		ng/L	47.6		100	40-200				
Surrogate: M2-8:2 FTS	54.0		ng/L	48.0		112	40-300				
Surrogate: M9PFNA	12.3		ng/L	12.5		98.6	40-130				
Surrogate: M2-4:2 FTS	52.9		ng/L	46.9		113	40-200				
Surrogate: d-N-MeFOSA	20.0		ng/L	25.0		80.2	10-130				
Surrogate: d-N-EtFOSA	20.1		ng/L	25.0		80.6	10-130				
Surrogate: M3HFPO-DA	106		ng/L	100		106	40-130				
Surrogate: d9-N-EtFOSE	185		ng/L	250		74.2	10-130				
Surrogate: d7-N-MeFOSE	203		ng/L	250		81.1	10-130				
<b>LCS (BK50153-BS2)</b>						Prepared: 11/04/2025 Analyzed: 11/06/2025					
Perfluorobutanesulfonic acid (PFBS)	3.45	1.77	ng/L	3.54		97.5	60-145				
Perfluorohexanoic acid (PFHxA)	4.00	2.00	ng/L	4.00		100	70-145				
Perfluoroheptanoic acid (PFHpA)	4.07	2.00	ng/L	4.00		102	70-150				
Perfluorohexanesulfonic acid (PFHxS)	3.89	1.83	ng/L	3.66		106	65-145				
Perfluorooctanoic acid (PFOA)	4.20	2.00	ng/L	4.00		105	70-150				
Perfluorooctanesulfonic acid (PFOS)	2.60	1.86	ng/L	3.72		69.9	55-150				
Perfluorononanoic acid (PFNA)	4.09	2.00	ng/L	4.00		102	70-150				
Perfluorodecanoic acid (PFDA)	4.02	2.00	ng/L	4.00		101	70-140				
Perfluoroundecanoic acid (PFUnA)	3.63	2.00	ng/L	4.00		90.6	70-145				
Perfluorododecanoic acid (PFDoA)	4.52	2.00	ng/L	4.00		113	70-140				
Perfluorotridecanoic acid (PFTrDA)	4.42	2.00	ng/L	4.00		111	65-140				
Perfluorotetradecanoic acid (PFTA)	3.76	2.00	ng/L	4.00		94.1	60-140				
N-MeFOSAA	4.12	2.00	ng/L	4.00		103	50-140				
N-EtFOSAA	3.39	5.00	ng/L	4.00		84.8	70-145				
Perfluoropentanoic acid (PFPeA)	7.43	4.00	ng/L	8.00		92.9	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	3.79	2.00	ng/L	4.00		94.7	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.22	1.91	ng/L	3.82		84.3	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	2.45	1.93	ng/L	3.86		63.5	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	13.9	7.60	ng/L	15.2		91.4	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.7	7.68	ng/L	15.4		102	60-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50153 - EPA 1633 Prep</b>											
<b>LCS (BK50153-BS2)</b>											
Prepared: 11/04/2025 Analyzed: 11/06/2025											
Perfluoro-n-butanoic acid (PFBA)	15.2	8.00	ng/L	16.0		95.2	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.89	3.56	ng/L	7.12		111	70-140				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	7.24	4.00	ng/L	8.00		90.6	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	7.60	4.00	ng/L	8.00		95.0	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	8.59	4.00	ng/L	8.00		107	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.16	1.88	ng/L	3.76		84.1	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	14.8	7.50	ng/L	15.0		99.0	70-145				
HFPO-DA (Gen-X)	5.12	8.00	ng/L	8.00		64.0	70-140	Low Bias			
11CL-PF3OUdS	9.03	7.56	ng/L	7.56		119	55-160				
9CL-PF3ONS	9.70	7.48	ng/L	7.48		130	70-155				
ADONA	7.88	7.56	ng/L	7.56		104	65-145				
Perfluorododecanesulfonic acid (PFDoS)	2.35	1.94	ng/L	3.88		60.7	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	2.83	1.92	ng/L	3.84		73.6	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	27.6	10.0	ng/L	16.0		172	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	86.7	50.0	ng/L	80.0		108	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	89.3	50.0	ng/L	80.0		112	50-145				
N-MeFOSE	40.5	20.0	ng/L	40.0		101	70-145				
N-MeFOSA	4.19	2.00	ng/L	4.00		105	60-150				
N-EtFOSE	42.8	20.0	ng/L	40.0		107	70-135				
N-EtFOSA	4.37	2.00	ng/L	4.00		109	65-145				
<i>Surrogate: M3PFBS</i>	24.8		ng/L	23.3		107	40-135				
<i>Surrogate: M5PFHxA</i>	23.9		ng/L	25.0		95.6	40-130				
<i>Surrogate: M4PFHpA</i>	24.6		ng/L	25.0		98.5	40-130				
<i>Surrogate: M3PFHxS</i>	22.9		ng/L	23.7		96.7	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	22.5		ng/L	25.0		90.1	40-130				
<i>Surrogate: M6PFDA</i>	13.1		ng/L	12.5		105	40-130				
<i>Surrogate: M7PFUDA</i>	12.1		ng/L	12.5		97.0	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	10.3		ng/L	12.5		82.8	10-130				
<i>Surrogate: M2PFTeDA</i>	9.50		ng/L	12.5		76.0	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	96.0		ng/L	100		96.0	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	24.9		ng/L	24.0		104	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	48.8		ng/L	50.0		97.6	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	27.7		ng/L	25.0		111	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	41.3		ng/L	50.0		82.7	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	40.7		ng/L	50.0		81.4	25-135				
<i>Surrogate: M2-6:2 FTS</i>	55.5		ng/L	47.6		117	40-200				
<i>Surrogate: M2-8:2 FTS</i>	50.7		ng/L	48.0		106	40-300				
<i>Surrogate: M9PFNA</i>	12.6		ng/L	12.5		101	40-130				
<i>Surrogate: M2-4:2 FTS</i>	51.6		ng/L	46.9		110	40-200				
<i>Surrogate: d-N-MeFOSA</i>	21.0		ng/L	25.0		84.2	10-130				
<i>Surrogate: d-N-EtFOSA</i>	19.5		ng/L	25.0		78.2	10-130				
<i>Surrogate: M3HFPO-DA</i>	103		ng/L	100		103	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50153 - EPA 1633 Prep</b>											
<b>LCS (BK50153-BS2)</b> <span style="float:right">Prepared: 11/04/2025 Analyzed: 11/06/2025</span>											
Surrogate: d9-N-EtFOSE	195		ng/L	250		77.9	10-130				
Surrogate: d7-N-MeFOSE	202		ng/L	250		80.7	10-130				
<b>Matrix Spike (BK50153-MS1)</b> *Source sample: 25J1654-07RE1 (MW-63)						<span style="float:right">Prepared: 11/04/2025 Analyzed: 11/06/2025</span>					
Perfluorobutanesulfonic acid (PFBS)	38800	1770	ng/L	35400	ND	110	60-145				
Perfluorohexanoic acid (PFHxA)	45800	2000	ng/L	40000	1140	112	70-145				
Perfluoroheptanoic acid (PFHpA)	49200	2000	ng/L	40000	ND	123	70-150				
Perfluorohexanesulfonic acid (PFHxS)	50900	1830	ng/L	36600	10400	111	65-145				
Perfluorooctanoic acid (PFOA)	74300	2000	ng/L	40000	23000	128	70-150				
Perfluorooctanesulfonic acid (PFOS)	45600	1860	ng/L	37200	2710	115	55-150				
Perfluorononanoic acid (PFNA)	47900	2000	ng/L	40000	ND	120	70-150				
Perfluorodecanoic acid (PFDA)	46000	2000	ng/L	40000	ND	115	70-140				
Perfluoroundecanoic acid (PFUnA)	46700	2000	ng/L	40000	ND	117	70-145				
Perfluorododecanoic acid (PFDoA)	52900	2000	ng/L	40000	ND	132	70-140				
Perfluorotridecanoic acid (PFTrDA)	65400	2000	ng/L	40000	ND	164	65-140	High Bias			
Perfluorotetradecanoic acid (PFTA)	43400	2000	ng/L	40000	ND	108	60-140				
N-MeFOSAA	42700	2000	ng/L	40000	ND	107	50-140				
N-EtFOSAA	39700	5000	ng/L	40000	ND	99.3	70-145				
Perfluoropentanoic acid (PFPeA)	86900	4000	ng/L	80000	ND	109	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	41700	2000	ng/L	40000	ND	104	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	32700	1910	ng/L	38200	ND	85.5	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	29800	1930	ng/L	38600	ND	77.3	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	145000	7600	ng/L	152000	ND	95.2	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	180000	7680	ng/L	154000	ND	117	60-150				
Perfluoro-n-butanoic acid (PFBA)	179000	8000	ng/L	160000	ND	112	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	84500	3560	ng/L	71200	ND	119	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	87800	4000	ng/L	80000	ND	110	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	86400	4000	ng/L	80000	ND	108	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	94000	4000	ng/L	80000	ND	117	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	38300	1880	ng/L	37600	ND	102	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	164000	7500	ng/L	150000	ND	109	70-145				
HFPO-DA (Gen-X)	90600	8000	ng/L	80000	ND	113	70-140				
11CL-PF3OUdS	66300	7560	ng/L	75600	ND	87.7	55-160				
9CL-PF3ONS	84000	7480	ng/L	74800	ND	112	70-155				
ADONA	85500	7560	ng/L	75600	ND	113	65-145				
Perfluorododecanesulfonic acid (PFDoS)	15500	1940	ng/L	38800	ND	39.9	50-145	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	37300	1920	ng/L	38400	ND	97.1	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	278000	10000	ng/L	160000	ND	174	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	1030000	50000	ng/L	800000	ND	129	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	1080000	50000	ng/L	800000	ND	135	50-145				
N-MeFOSE	435000	20000	ng/L	400000	ND	109	70-145				
N-MeFOSA	43000	2000	ng/L	40000	ND	107	60-150				
N-EtFOSE	431000	20000	ng/L	400000	ND	108	70-135				
N-EtFOSA	48400	2000	ng/L	40000	ND	121	65-145				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BK50153 - EPA 1633 Prep</b>												
<b>Matrix Spike (BK50153-MS1)</b>		*Source sample: 25J1654-07RE1 (MW-63)					Prepared: 11/04/2025 Analyzed: 11/06/2025					
Surrogate: M3PFBS	22300		ng/L	23300		95.6	40-135					
Surrogate: M5PFHxA	22300		ng/L	25000		89.4	40-130					
Surrogate: M4PFHpA	20800		ng/L	25000		83.2	40-130					
Surrogate: M3PFHxS	21900		ng/L	23700		92.2	40-130					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	19900		ng/L	25000		79.4	40-130					
Surrogate: M6PFDA	10700		ng/L	12500		85.2	40-130					
Surrogate: M7PFUdA	9240		ng/L	12500		73.9	30-130					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	7390		ng/L	12500		59.1	10-130					
Surrogate: M2PFTeDA	4160		ng/L	12500		33.3	10-130					
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	88500		ng/L	100000		88.5	5-130					
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26000		ng/L	24000		109	40-130					
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	44500		ng/L	50000		88.9	40-130					
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	28300		ng/L	25000		113	40-130					
Surrogate: d3-N-MeFOSAA	41500		ng/L	50000		83.1	40-170					
Surrogate: d5-N-EtFOSAA	38800		ng/L	50000		77.6	25-135					
Surrogate: M2-6:2 FTS	47400		ng/L	47600		99.8	40-200					
Surrogate: M2-8:2 FTS	41400		ng/L	48000		86.2	40-300					
Surrogate: M9PFNA	11200		ng/L	12500		89.3	40-130					
Surrogate: M2-4:2 FTS	45100		ng/L	46900		96.2	40-200					
Surrogate: d-N-MeFOSA	20700		ng/L	25000		82.8	10-130					
Surrogate: d-N-EtFOSA	18200		ng/L	25000		72.7	10-130					
Surrogate: M3HFPO-DA	98200		ng/L	100000		98.2	40-130					
Surrogate: d9-N-EtFOSE	109000		ng/L	250000		43.7	10-130					
Surrogate: d7-N-MeFOSE	134000		ng/L	250000		53.8	10-130					
<b>Matrix Spike Dup (BK50153-MSD1)</b>		*Source sample: 25J1654-07RE1 (MW-63)					Prepared: 11/04/2025 Analyzed: 11/06/2025					
Perfluorobutanesulfonic acid (PFBS)	40500	1770	ng/L	35400	ND	114	60-145		4.35	35		
Perfluorohexanoic acid (PFHxA)	46600	2000	ng/L	40000	1140	114	70-145		1.84	35		
Perfluoroheptanoic acid (PFHpA)	51300	2000	ng/L	40000	ND	128	70-150		4.34	35		
Perfluorohexanesulfonic acid (PFHxS)	46400	1830	ng/L	36600	10400	98.4	65-145		9.34	35		
Perfluorooctanoic acid (PFOA)	72000	2000	ng/L	40000	23000	123	70-150		3.08	35		
Perfluorooctanesulfonic acid (PFOS)	49500	1860	ng/L	37200	2710	126	55-150		8.16	35		
Perfluorononanoic acid (PFNA)	43300	2000	ng/L	40000	ND	108	70-150		10.1	35		
Perfluorodecanoic acid (PFDA)	47200	2000	ng/L	40000	ND	118	70-140		2.57	35		
Perfluoroundecanoic acid (PFUnA)	49900	2000	ng/L	40000	ND	125	70-145		6.57	35		
Perfluorododecanoic acid (PFDoA)	50600	2000	ng/L	40000	ND	126	70-140		4.39	35		
Perfluorotridecanoic acid (PFTTrDA)	64200	2000	ng/L	40000	ND	160	65-140	High Bias	1.94	35		
Perfluorotetradecanoic acid (PFTTA)	45800	2000	ng/L	40000	ND	114	60-140		5.46	35		
N-MeFOSAA	52100	2000	ng/L	40000	ND	130	50-140		19.7	35		
N-EtFOSAA	46700	5000	ng/L	40000	ND	117	70-145		16.2	35		
Perfluoropentanoic acid (PFPeA)	83700	4000	ng/L	80000	ND	105	65-135		3.74	35		
Perfluoro-1-octanesulfonamide (FOSA)	41700	2000	ng/L	40000	ND	104	70-145		0.0928	35		
Perfluoro-1-heptanesulfonic acid (PFHpS)	37900	1910	ng/L	38200	ND	99.3	70-150		14.9	35		
Perfluoro-1-decanesulfonic acid (PFDS)	33300	1930	ng/L	38600	ND	86.3	60-145		11.0	35		
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	160000	7600	ng/L	152000	ND	105	65-155		10.0	35		



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50153 - EPA 1633 Prep</b>											
<b>Matrix Spike Dup (BK50153-MSD1)</b>		*Source sample: 25J1654-07RE1 (MW-63)					Prepared: 11/04/2025 Analyzed: 11/06/2025				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	169000	7680	ng/L	154000	ND	110	60-150		6.58	35	
Perfluoro-n-butanoic acid (PFBA)	178000	8000	ng/L	160000	ND	111	70-140		0.303	35	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	84000	3560	ng/L	71200	ND	118	70-140		0.599	30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	91000	4000	ng/L	80000	ND	114	50-150		3.59	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	85200	4000	ng/L	80000	ND	107	55-140		1.43	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	92200	4000	ng/L	80000	ND	115	60-150		1.94	30	
Perfluoro-1-pentanesulfonate (PFPeS)	37100	1880	ng/L	37600	ND	98.8	65-140		3.21	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	168000	7500	ng/L	150000	ND	112	70-145		2.52	30	
HFPO-DA (Gen-X)	96900	8000	ng/L	80000	ND	121	70-140		6.72	30	
11CL-PF3OUdS	73800	7560	ng/L	75600	ND	97.6	55-160		10.7	30	
9CL-PF3ONS	87400	7480	ng/L	74800	ND	117	70-155		3.97	30	
ADONA	88700	7560	ng/L	75600	ND	117	65-145		3.59	30	
Perfluorododecanesulfonic acid (PFDoS)	16000	1940	ng/L	38800	ND	41.1	50-145	Low Bias	2.97	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	35300	1920	ng/L	38400	ND	91.9	65-145		5.50	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	266000	10000	ng/L	160000	ND	166	65-130	High Bias	4.47	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	1020000	50000	ng/L	800000	ND	127	70-135		1.53	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	1080000	50000	ng/L	800000	ND	135	50-145		0.0268	30	
N-MeFOSE	425000	20000	ng/L	400000	ND	106	70-145		2.21	30	
N-MeFOSA	46500	2000	ng/L	40000	ND	116	60-150		7.85	30	
N-EtFOSE	412000	20000	ng/L	400000	ND	103	70-135		4.34	30	
N-EtFOSA	43200	2000	ng/L	40000	ND	108	65-145		11.2	30	
<i>Surrogate: M3PFBS</i>	<i>26900</i>		<i>ng/L</i>	<i>23300</i>		<i>115</i>	<i>40-135</i>				
<i>Surrogate: M5PFHxA</i>	<i>25700</i>		<i>ng/L</i>	<i>25000</i>		<i>103</i>	<i>40-130</i>				
<i>Surrogate: M4PFHpA</i>	<i>23000</i>		<i>ng/L</i>	<i>25000</i>		<i>92.1</i>	<i>40-130</i>				
<i>Surrogate: M3PFHxS</i>	<i>28500</i>		<i>ng/L</i>	<i>23700</i>		<i>120</i>	<i>40-130</i>				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFoA)</i>	<i>22700</i>		<i>ng/L</i>	<i>25000</i>		<i>91.0</i>	<i>40-130</i>				
<i>Surrogate: M6PFDA</i>	<i>11800</i>		<i>ng/L</i>	<i>12500</i>		<i>94.3</i>	<i>40-130</i>				
<i>Surrogate: M7PFUdA</i>	<i>10700</i>		<i>ng/L</i>	<i>12500</i>		<i>85.5</i>	<i>30-130</i>				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	<i>8580</i>		<i>ng/L</i>	<i>12500</i>		<i>68.7</i>	<i>10-130</i>				
<i>Surrogate: M2PFTeDA</i>	<i>5100</i>		<i>ng/L</i>	<i>12500</i>		<i>40.8</i>	<i>10-130</i>				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	<i>95100</i>		<i>ng/L</i>	<i>100000</i>		<i>95.1</i>	<i>5-130</i>				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	<i>26800</i>		<i>ng/L</i>	<i>24000</i>		<i>112</i>	<i>40-130</i>				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	<i>51300</i>		<i>ng/L</i>	<i>50000</i>		<i>103</i>	<i>40-130</i>				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	<i>29900</i>		<i>ng/L</i>	<i>25000</i>		<i>120</i>	<i>40-130</i>				
<i>Surrogate: d3-N-MeFOSAA</i>	<i>38000</i>		<i>ng/L</i>	<i>50000</i>		<i>76.1</i>	<i>40-170</i>				
<i>Surrogate: d5-N-EtFOSAA</i>	<i>39700</i>		<i>ng/L</i>	<i>50000</i>		<i>79.4</i>	<i>25-135</i>				
<i>Surrogate: M2-6:2 FTS</i>	<i>52900</i>		<i>ng/L</i>	<i>47600</i>		<i>111</i>	<i>40-200</i>				
<i>Surrogate: M2-8:2 FTS</i>	<i>53800</i>		<i>ng/L</i>	<i>48000</i>		<i>112</i>	<i>40-300</i>				
<i>Surrogate: M9PFNA</i>	<i>12900</i>		<i>ng/L</i>	<i>12500</i>		<i>103</i>	<i>40-130</i>				
<i>Surrogate: M2-4:2 FTS</i>	<i>53800</i>		<i>ng/L</i>	<i>46900</i>		<i>115</i>	<i>40-200</i>				
<i>Surrogate: d-N-MeFOSA</i>	<i>20900</i>		<i>ng/L</i>	<i>25000</i>		<i>83.8</i>	<i>10-130</i>				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50153 - EPA 1633 Prep</b>											
<b>Matrix Spike Dup (BK50153-MSD1)</b>		*Source sample: 25J1654-07RE1 (MW-63)					Prepared: 11/04/2025 Analyzed: 11/06/2025				
Surrogate: d-N-EtFOSA	20100		ng/L	25000		80.5	10-130				
Surrogate: M3HFPO-DA	108000		ng/L	100000		108	40-130				
Surrogate: d9-N-EtFOSE	131000		ng/L	250000		52.2	10-130				
Surrogate: d7-N-MeFOSE	154000		ng/L	250000		61.8	10-130				
<b>Batch BL50056 - EPA 1633 Prep</b>											
<b>Blank (BL50056-BLK1)</b>		Prepared: 12/01/2025 Analyzed: 12/04/2025									
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	ng/L								
Perfluorooctanoic acid (PFOA)	ND	2.00	ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	ng/L								
Perfluorononanoic acid (PFNA)	ND	2.00	ng/L								
Perfluorodecanoic acid (PFDA)	ND	2.00	ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	ng/L								
Perfluorododecanoic acid (PFDoA)	ND	2.00	ng/L								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	ng/L								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	ng/L								
N-MeFOSAA	ND	2.00	ng/L								
N-EtFOSAA	ND	2.00	ng/L								
Perfluoropentanoic acid (PFPeA)	ND	4.00	ng/L								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	ng/L								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	ng/L								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	ng/L								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	ng/L								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	ng/L								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	ng/L								
HFPO-DA (Gen-X)	ND	8.00	ng/L								
11CL-PF3OUdS	ND	7.56	ng/L								
9CL-PF3ONS	ND	7.48	ng/L								
ADONA	ND	7.56	ng/L								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	ng/L								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	ng/L								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	ng/L								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	ng/L								
N-MeFOSE	ND	20.0	ng/L								



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL50056 - EPA 1633 Prep</b>											
<b>Blank (BL50056-BLK1)</b>											
Prepared: 12/01/2025 Analyzed: 12/04/2025											
N-MeFOSA	ND	2.00	ng/L								
N-EtFOSE	ND	20.0	ng/L								
N-EtFOSA	ND	2.00	ng/L								
Surrogate: M3PFBS	29.3		ng/L	23.3		126	40-135				
Surrogate: M5PFHxA	31.8		ng/L	25.0		127	40-130				
Surrogate: M4PFHpA	31.8		ng/L	25.0		127	40-130				
Surrogate: M3PFHxS	30.1		ng/L	23.7		127	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFDA)	28.4		ng/L	25.0		114	40-130				
Surrogate: M6PFDA	14.5		ng/L	12.5		116	40-130				
Surrogate: M7PFUDA	14.1		ng/L	12.5		112	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	12.2		ng/L	12.5		97.5	10-130				
Surrogate: M2PFTeDA	11.0		ng/L	12.5		87.7	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	118		ng/L	100		118	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	30.2		ng/L	24.0		126	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	62.3		ng/L	50.0		125	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOA)	24.9		ng/L	25.0		99.7	40-130				
Surrogate: d3-N-MeFOSAA	53.1		ng/L	50.0		106	40-170				
Surrogate: d5-N-EtFOSAA	52.0		ng/L	50.0		104	25-135				
Surrogate: M2-6:2 FTS	98.7		ng/L	47.6		208	40-200				
Surrogate: M2-8:2 FTS	95.3		ng/L	48.0		199	40-300				
Surrogate: M9PFNA	15.4		ng/L	12.5		123	40-130				
Surrogate: M2-4:2 FTS	91.7		ng/L	46.9		196	40-200				
Surrogate: d-N-MeFOSA	21.9		ng/L	25.0		87.7	10-130				
Surrogate: d-N-EtFOSA	16.8		ng/L	25.0		67.1	10-130				
Surrogate: M3HFPO-DA	123		ng/L	100		123	40-130				
Surrogate: d9-N-EtFOSE	181		ng/L	250		72.4	10-130				
Surrogate: d7-N-MeFOSE	204		ng/L	250		81.5	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL50056 - EPA 1633 Prep</b>											
<b>LCS (BL50056-BS1)</b>						Prepared: 12/01/2025 Analyzed: 12/04/2025					
Perfluorobutanesulfonic acid (PFBS)	29.5	1.77	ng/L	35.4		83.3	60-145				
Perfluorohexanoic acid (PFHxA)	34.0	2.00	ng/L	40.0		85.0	70-145				
Perfluoroheptanoic acid (PFHpA)	34.7	2.00	ng/L	40.0		86.7	70-150				
Perfluorohexanesulfonic acid (PFHxS)	31.4	1.83	ng/L	36.6		85.7	65-145				
Perfluorooctanoic acid (PFOA)	34.3	2.00	ng/L	40.0		85.7	70-150				
Perfluorooctanesulfonic acid (PFOS)	31.9	1.86	ng/L	37.2		85.9	55-150				
Perfluorononanoic acid (PFNA)	35.2	2.00	ng/L	40.0		87.9	70-150				
Perfluorodecanoic acid (PFDA)	37.9	2.00	ng/L	40.0		94.7	70-140				
Perfluoroundecanoic acid (PFUnA)	35.3	2.00	ng/L	40.0		88.3	70-145				
Perfluorododecanoic acid (PFDoA)	35.7	2.00	ng/L	40.0		89.3	70-140				
Perfluorotridecanoic acid (PFTrDA)	39.8	2.00	ng/L	40.0		99.4	65-140				
Perfluorotetradecanoic acid (PFTA)	39.2	2.00	ng/L	40.0		98.0	60-140				
N-MeFOSAA	32.7	2.00	ng/L	40.0		81.8	50-140				
N-EtFOSAA	33.7	2.00	ng/L	40.0		84.1	70-145				
Perfluoropentanoic acid (PFPeA)	68.4	4.00	ng/L	80.0		85.5	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	34.6	2.00	ng/L	40.0		86.5	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	31.4	1.91	ng/L	38.2		82.1	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	29.7	1.93	ng/L	38.6		76.8	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	128	7.60	ng/L	152		84.5	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	133	7.68	ng/L	154		86.4	60-150				
Perfluoro-n-butanoic acid (PFBA)	142	8.00	ng/L	160		88.8	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	67.1	3.56	ng/L	71.2		94.2	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	69.1	4.00	ng/L	80.0		86.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	73.5	4.00	ng/L	80.0		91.9	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	78.0	4.00	ng/L	80.0		97.5	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	32.0	1.88	ng/L	37.6		85.1	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	124	7.50	ng/L	150		82.9	70-145				
HFPO-DA (Gen-X)	78.1	8.00	ng/L	80.0		97.7	70-140				
11CL-PF3OUdS	62.8	7.56	ng/L	75.6		83.0	55-160				
9CL-PF3ONS	68.4	7.48	ng/L	74.8		91.5	70-155				
ADONA	69.3	7.56	ng/L	75.6		91.6	65-145				
Perfluorododecanesulfonic acid (PFDoS)	27.7	1.94	ng/L	38.8		71.3	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	31.7	1.92	ng/L	38.4		82.5	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	152	10.0	ng/L	160		95.3	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	834	50.0	ng/L	800		104	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	815	50.0	ng/L	800		102	50-145				
N-MeFOSE	333	20.0	ng/L	400		83.3	70-145				
N-MeFOSA	36.7	2.00	ng/L	40.0		91.8	60-150				
N-EtFOSE	352	20.0	ng/L	400		88.1	70-135				
N-EtFOSA	35.0	2.00	ng/L	40.0		87.6	65-145				
Surrogate: M3PFBS	35.4		ng/L	23.3		152	40-135				
Surrogate: M5PFHxA	36.1		ng/L	25.0		144	40-130				
Surrogate: M4PFHpA	34.7		ng/L	25.0		139	40-130				
Surrogate: M3PFHxS	35.6		ng/L	23.7		150	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL50056 - EPA 1633 Prep</b>											
<b>LCS (BL50056-BS1)</b>						Prepared: 12/01/2025 Analyzed: 12/04/2025					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	34.5		ng/L	25.0		138	40-130				
Surrogate: M6PFDA	17.5		ng/L	12.5		140	40-130				
Surrogate: M7PFUdA	17.1		ng/L	12.5		137	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.0		ng/L	12.5		120	10-130				
Surrogate: M2PFTeDA	14.7		ng/L	12.5		117	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	129		ng/L	100		129	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	33.6		ng/L	24.0		140	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	68.3		ng/L	50.0		137	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.0		ng/L	25.0		116	40-130				
Surrogate: d3-N-MeFOSAA	64.9		ng/L	50.0		130	40-170				
Surrogate: d5-N-EtFOSAA	64.0		ng/L	50.0		128	25-135				
Surrogate: M2-6:2 FTS	107		ng/L	47.6		226	40-200				
Surrogate: M2-8:2 FTS	110		ng/L	48.0		230	40-300				
Surrogate: M9PFNA	16.9		ng/L	12.5		135	40-130				
Surrogate: M2-4:2 FTS	99.2		ng/L	46.9		211	40-200				
Surrogate: d-N-MeFOSA	24.7		ng/L	25.0		98.7	10-130				
Surrogate: d-N-EtFOSA	21.1		ng/L	25.0		84.4	10-130				
Surrogate: M3HFPO-DA	147		ng/L	100		147	40-130				
Surrogate: d9-N-EtFOSE	197		ng/L	250		78.8	10-130				
Surrogate: d7-N-MeFOSE	232		ng/L	250		92.9	10-130				
<b>LCS (BL50056-BS2)</b>						Prepared: 12/01/2025 Analyzed: 12/04/2025					
Perfluorobutanesulfonic acid (PFBS)	2.50	1.77	ng/L	3.54		70.6	60-145				
Perfluorohexanoic acid (PFHxA)	3.01	2.00	ng/L	4.00		75.3	70-145				
Perfluoroheptanoic acid (PFHpA)	3.27	2.00	ng/L	4.00		81.9	70-150				
Perfluorohexanesulfonic acid (PFHxS)	2.64	1.83	ng/L	3.66		72.2	65-145				
Perfluorooctanoic acid (PFOA)	3.30	2.00	ng/L	4.00		82.6	70-150				
Perfluorooctanesulfonic acid (PFOS)	3.51	1.86	ng/L	3.72		94.4	55-150				
Perfluorononanoic acid (PFNA)	3.10	2.00	ng/L	4.00		77.5	70-150				
Perfluorodecanoic acid (PFDA)	3.00	2.00	ng/L	4.00		75.0	70-140				
Perfluoroundecanoic acid (PFUnA)	3.44	2.00	ng/L	4.00		86.1	70-145				
Perfluorododecanoic acid (PFDoA)	3.33	2.00	ng/L	4.00		83.2	70-140				
Perfluorotridecanoic acid (PFTrDA)	3.35	2.00	ng/L	4.00		83.8	65-140				
Perfluorotetradecanoic acid (PFTA)	3.27	2.00	ng/L	4.00		81.8	60-140				
N-MeFOSAA	3.17	2.00	ng/L	4.00		79.1	50-140				
N-EtFOSAA	3.94	2.00	ng/L	4.00		98.6	70-145				
Perfluoropentanoic acid (PFPeA)	6.16	4.00	ng/L	8.00		77.0	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	2.99	2.00	ng/L	4.00		74.8	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	2.81	1.91	ng/L	3.82		73.5	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	2.44	1.93	ng/L	3.86		63.3	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	10.5	7.60	ng/L	15.2		69.2	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	12.9	7.68	ng/L	15.4		84.2	60-150				
Perfluoro-n-butanoic acid (PFBA)	12.0	8.00	ng/L	16.0		74.9	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	6.37	3.56	ng/L	7.12		89.5	70-140				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL50056 - EPA 1633 Prep</b>											
<b>LCS (BL50056-BS2)</b>											
Prepared: 12/01/2025 Analyzed: 12/04/2025											
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	6.71	4.00	ng/L	8.00		83.8	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	6.90	4.00	ng/L	8.00		86.2	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	7.16	4.00	ng/L	8.00		89.5	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	2.75	1.88	ng/L	3.76		73.0	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	11.3	7.50	ng/L	15.0		75.6	70-145				
HFPO-DA (Gen-X)	7.91	8.00	ng/L	8.00		98.9	70-140				
11CL-PF3OUdS	5.21	7.56	ng/L	7.56		68.9	55-160				
9CL-PF3ONS	6.17	7.48	ng/L	7.48		82.5	70-155				
ADONA	5.62	7.56	ng/L	7.56		74.4	65-145				
Perfluorododecanesulfonic acid (PFDoS)	2.64	1.94	ng/L	3.88		67.9	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	2.87	1.92	ng/L	3.84		74.9	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	15.3	10.0	ng/L	16.0		95.4	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	80.4	50.0	ng/L	80.0		100	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	83.5	50.0	ng/L	80.0		104	50-145				
N-MeFOSE	33.9	20.0	ng/L	40.0		84.7	70-145				
N-MeFOSA	3.98	2.00	ng/L	4.00		99.4	60-150				
N-EtFOSE	34.3	20.0	ng/L	40.0		85.9	70-135				
N-EtFOSA	4.07	2.00	ng/L	4.00		102	65-145				
<i>Surrogate: M3PFBS</i>	28.8		ng/L	23.3		124	40-135				
<i>Surrogate: M5PFHxA</i>	34.0		ng/L	25.0		136	40-130				
<i>Surrogate: M4PFHpA</i>	32.3		ng/L	25.0		129	40-130				
<i>Surrogate: M3PFHxS</i>	30.8		ng/L	23.7		130	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	30.6		ng/L	25.0		122	40-130				
<i>Surrogate: M6PFDA</i>	16.5		ng/L	12.5		132	40-130				
<i>Surrogate: M7PFUdA</i>	15.1		ng/L	12.5		121	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	13.3		ng/L	12.5		106	10-130				
<i>Surrogate: M2PFTeDA</i>	12.8		ng/L	12.5		102	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	124		ng/L	100		124	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	29.4		ng/L	24.0		123	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	65.1		ng/L	50.0		130	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	27.0		ng/L	25.0		108	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	56.5		ng/L	50.0		113	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	59.3		ng/L	50.0		119	25-135				
<i>Surrogate: M2-6:2 FTS</i>	97.4		ng/L	47.6		205	40-200				
<i>Surrogate: M2-8:2 FTS</i>	90.3		ng/L	48.0		188	40-300				
<i>Surrogate: M9PFNA</i>	15.9		ng/L	12.5		127	40-130				
<i>Surrogate: M2-4:2 FTS</i>	87.3		ng/L	46.9		186	40-200				
<i>Surrogate: d-N-MeFOSA</i>	22.6		ng/L	25.0		90.3	10-130				
<i>Surrogate: d-N-EtFOSA</i>	20.7		ng/L	25.0		82.9	10-130				
<i>Surrogate: M3HFPO-DA</i>	141		ng/L	100		141	40-130				
<i>Surrogate: d9-N-EtFOSE</i>	193		ng/L	250		77.1	10-130				
<i>Surrogate: d7-N-MeFOSE</i>	218		ng/L	250		87.3	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL50056 - EPA 1633 Prep</b>											
<b>Matrix Spike (BL50056-MS1)</b>						*Source sample: 25J1654-07RE3 (MW-63)					
						Prepared: 12/01/2025 Analyzed: 12/05/2025					
Perfluorobutanesulfonic acid (PFBS)	373	88.5	ng/L	177	219	86.8	60-145				
Perfluorohexanoic acid (PFHxA)	1420	100	ng/L	200	1220	102	70-145				
Perfluoroheptanoic acid (PFHpA)	475	100	ng/L	200	349	63.0	70-150	Low Bias			
Perfluorohexanesulfonic acid (PFHxS)	8220	91.5	ng/L	183	7870	192	65-145	High Bias			
Perfluorooctanoic acid (PFOA)	13900	100	ng/L	200	14300	NR	70-150	Low Bias			
Perfluorooctanesulfonic acid (PFOS)	4150	93.0	ng/L	186	4770	NR	55-150	Low Bias			
Perfluorononanoic acid (PFNA)	209	100	ng/L	200	ND	104	70-150				
Perfluorodecanoic acid (PFDA)	165	100	ng/L	200	ND	82.6	70-140				
Perfluoroundecanoic acid (PFUnA)	160	100	ng/L	200	ND	80.0	70-145				
Perfluorododecanoic acid (PFDoA)	192	100	ng/L	200	ND	96.2	70-140				
Perfluorotridecanoic acid (PFTrDA)	215	100	ng/L	200	ND	108	65-140				
Perfluorotetradecanoic acid (PFTA)	178	100	ng/L	200	ND	89.0	60-140				
N-MeFOSAA	179	100	ng/L	200	ND	89.3	50-140				
N-EtFOSAA	146	100	ng/L	200	ND	72.8	70-145				
Perfluoropentanoic acid (PFPeA)	742	200	ng/L	400	391	87.7	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	190	100	ng/L	200	21.4	84.5	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	502	95.5	ng/L	191	286	113	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	78.8	96.5	ng/L	193	ND	40.8	60-145	Low Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1220	380	ng/L	760	448	102	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	757	384	ng/L	768	ND	98.5	60-150				
Perfluoro-n-butanoic acid (PFBA)	753	400	ng/L	800	127	78.2	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	360	178	ng/L	356	ND	101	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	257	200	ng/L	400	ND	64.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	319	200	ng/L	400	ND	79.9	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	391	200	ng/L	400	ND	97.8	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	515	94.0	ng/L	188	367	78.9	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	597	375	ng/L	750	ND	79.7	70-145				
HFPO-DA (Gen-X)	305	400	ng/L	400	ND	76.2	70-140				
11CL-PF3OUdS	129	378	ng/L	378	ND	34.2	55-160	Low Bias			
9CL-PF3ONS	291	374	ng/L	374	ND	77.9	70-155				
ADONA	331	378	ng/L	378	ND	87.7	65-145				
Perfluorododecanesulfonic acid (PFDoS)	ND	97.0	ng/L	194	ND		50-145	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	126	96.0	ng/L	192	ND	65.4	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	766	500	ng/L	800	ND	95.8	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	4090	2500	ng/L	4000	ND	102	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	3900	2500	ng/L	4000	ND	97.6	50-145				
N-MeFOSE	1580	1000	ng/L	2000	ND	78.9	70-145				
N-MeFOSA	137	100	ng/L	200	ND	68.5	60-150				
N-EtFOSE	1760	1000	ng/L	2000	ND	87.9	70-135				
N-EtFOSA	181	100	ng/L	200	ND	90.4	65-145				
Surrogate: M3PFBS	196		ng/L	116		169	40-135				
Surrogate: M5PFHxA	176		ng/L	125		141	40-130				
Surrogate: M4PFHpA	192		ng/L	125		153	40-130				
Surrogate: M3PFHxS	198		ng/L	118		167	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL50056 - EPA 1633 Prep</b>											
<b>Matrix Spike (BL50056-MS1)</b> *Source sample: 25J1654-07RE3 (MW-63) Prepared: 12/01/2025 Analyzed: 12/05/2025											
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	170		ng/L	125		136	40-130				
Surrogate: M6PFDA	89.2		ng/L	62.5		143	40-130				
Surrogate: M7PFUdA	65.8		ng/L	62.5		105	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	21.6		ng/L	62.5		34.6	10-130				
Surrogate: M2PFTeDA	21.9		ng/L	62.5		35.0	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	492		ng/L	500		98.4	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	159		ng/L	120		133	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	337		ng/L	250		135	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	124		ng/L	125		99.4	40-130				
Surrogate: d3-N-MeFOSAA	139		ng/L	250		55.5	40-170				
Surrogate: d5-N-EtFOSAA	164		ng/L	250		65.8	25-135				
Surrogate: M2-6:2 FTS	475		ng/L	238		200	40-200				
Surrogate: M2-8:2 FTS	509		ng/L	240		212	40-300				
Surrogate: M9PFNA	97.5		ng/L	62.5		156	40-130				
Surrogate: M2-4:2 FTS	596		ng/L	234		254	40-200				
Surrogate: d-N-MeFOSA	56.6		ng/L	125		45.3	10-130				
Surrogate: d-N-EtFOSA	28.9		ng/L	125		23.1	10-130				
Surrogate: M3HFPO-DA	760		ng/L	500		152	40-130				
Surrogate: d9-N-EtFOSE	397		ng/L	1250		31.7	10-130				
Surrogate: d7-N-MeFOSE	554		ng/L	1250		44.3	10-130				
<b>Matrix Spike Dup (BL50056-MSD1)</b> *Source sample: 25J1654-07RE3 (MW-63) Prepared: 12/01/2025 Analyzed: 12/05/2025											
Perfluorobutanesulfonic acid (PFBS)	389	88.5	ng/L	177	219	95.6	60-145		4.07	35	
Perfluorohexanoic acid (PFHxA)	1420	100	ng/L	200	1220	99.8	70-145		0.361	35	
Perfluoroheptanoic acid (PFHpA)	478	100	ng/L	200	349	64.5	70-150	Low Bias	0.634	35	
Perfluorohexanesulfonic acid (PFHxS)	9280	91.5	ng/L	183	7870	773	65-145	High Bias	12.1	35	
Perfluorooctanoic acid (PFOA)	12600	100	ng/L	200	14300	NR	70-150	Low Bias	9.97	35	
Perfluorooctanesulfonic acid (PFOS)	3910	93.0	ng/L	186	4770	NR	55-150	Low Bias	6.11	35	
Perfluorononanoic acid (PFNA)	231	100	ng/L	200	ND	115	70-150		10.1	35	
Perfluorodecanoic acid (PFDA)	178	100	ng/L	200	ND	88.9	70-140		7.42	35	
Perfluoroundecanoic acid (PFUnA)	179	100	ng/L	200	ND	89.4	70-145		11.2	35	
Perfluorododecanoic acid (PFDoA)	151	100	ng/L	200	ND	75.6	70-140		24.0	35	
Perfluorotridecanoic acid (PFTrDA)	190	100	ng/L	200	ND	95.1	65-140		12.5	35	
Perfluorotetradecanoic acid (PFTA)	177	100	ng/L	200	ND	88.6	60-140		0.362	35	
N-MeFOSAA	176	100	ng/L	200	ND	88.1	50-140		1.34	35	
N-EtFOSAA	404	100	ng/L	200	ND	202	70-145	High Bias	94.0	35	Non-dir.
Perfluoropentanoic acid (PFPeA)	730	200	ng/L	400	391	84.8	65-135		1.62	35	
Perfluoro-1-octanesulfonamide (FOSA)	198	100	ng/L	200	21.4	88.1	70-145		3.73	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	419	95.5	ng/L	191	286	69.9	70-150	Low Bias	18.0	35	
Perfluoro-1-decanesulfonic acid (PFDS)	84.2	96.5	ng/L	193	ND	43.6	60-145	Low Bias	6.60	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	994	380	ng/L	760	448	71.8	65-155		20.5	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	649	384	ng/L	768	ND	84.5	60-150		15.3	35	
Perfluoro-n-butanoic acid (PFBA)	865	400	ng/L	800	127	92.2	70-140		13.9	35	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	365	178	ng/L	356	ND	103	70-140		1.49	30	



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BL50056 - EPA 1633 Prep</b>											
<b>Matrix Spike Dup (BL50056-MSD1)</b>		*Source sample: 25J1654-07RE3 (MW-63)					Prepared: 12/01/2025 Analyzed: 12/05/2025				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	293	200	ng/L	400	ND	73.2	50-150		12.9	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	343	200	ng/L	400	ND	85.7	55-140		7.02	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	384	200	ng/L	400	ND	96.1	60-150		1.83	30	
Perfluoro-1-pentanesulfonate (PFPeS)	615	94.0	ng/L	188	367	132	65-140		17.6	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	632	375	ng/L	750	ND	84.3	70-145		5.65	30	
HFPO-DA (Gen-X)	303	400	ng/L	400	ND	75.8	70-140		0.511	30	
11CL-PF3OUdS	131	378	ng/L	378	ND	34.7	55-160	Low Bias	1.61	30	
9CL-PF3ONS	289	374	ng/L	374	ND	77.2	70-155		0.912	30	
ADONA	318	378	ng/L	378	ND	84.2	65-145		4.00	30	
Perfluorododecanesulfonic acid (PFDoS)	44.5	97.0	ng/L	194	ND	22.9	50-145	Low Bias		30	
Perfluoro-1-nonanesulfonic acid (PFNS)	127	96.0	ng/L	192	ND	66.0	65-145		0.917	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	848	500	ng/L	800	ND	106	65-130		10.2	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	4250	2500	ng/L	4000	ND	106	70-135		3.86	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	4060	2500	ng/L	4000	ND	101	50-145		3.91	30	
N-MeFOSE	1570	1000	ng/L	2000	ND	78.6	70-145		0.426	30	
N-MeFOSA	159	100	ng/L	200	ND	79.4	60-150		14.7	30	
N-EtFOSE	1370	1000	ng/L	2000	ND	68.7	70-135	Low Bias	24.6	30	
N-EtFOSA	362	100	ng/L	200	ND	181	65-145	High Bias	66.8	30	Non-dir.
<i>Surrogate: M3PFBS</i>	202		ng/L	116		173	40-135				
<i>Surrogate: M5PFHxA</i>	193		ng/L	125		155	40-130				
<i>Surrogate: M4PFHpA</i>	202		ng/L	125		161	40-130				
<i>Surrogate: M3PFHxS</i>	181		ng/L	118		153	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PF OA)</i>	202		ng/L	125		162	40-130				
<i>Surrogate: M6PFDA</i>	96.3		ng/L	62.5		154	40-130				
<i>Surrogate: M7PFUdA</i>	73.3		ng/L	62.5		117	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFD oA)</i>	48.7		ng/L	62.5		77.9	10-130				
<i>Surrogate: M2PFTeDA</i>	32.0		ng/L	62.5		51.2	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	671		ng/L	500		134	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	195		ng/L	120		163	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	387		ng/L	250		155	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	138		ng/L	125		110	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	284		ng/L	250		114	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	98.1		ng/L	250		39.2	25-135				
<i>Surrogate: M2-6:2 FTS</i>	629		ng/L	238		264	40-200				
<i>Surrogate: M2-8:2 FTS</i>	588		ng/L	240		245	40-300				
<i>Surrogate: M9PFNA</i>	96.5		ng/L	62.5		154	40-130				
<i>Surrogate: M2-4:2 FTS</i>	643		ng/L	234		274	40-200				
<i>Surrogate: d-N-MeFOSA</i>	98.0		ng/L	125		78.4	10-130				
<i>Surrogate: d-N-EtFOSA</i>	38.8		ng/L	125		31.0	10-130				
<i>Surrogate: M3HFPO-DA</i>	849		ng/L	500		170	40-130				
<i>Surrogate: d9-N-EtFOSE</i>	625		ng/L	1250		50.0	10-130				
<i>Surrogate: d7-N-MeFOSE</i>	684		ng/L	1250		54.7	10-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ51886 - Preparation for GC Analysis</b>											
<b>Blank (BJ51886-BLK1)</b> <span style="float: right;">Prepared &amp; Analyzed: 10/29/2025</span>											
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	mg/L								
<i>Surrogate: 1,4-Butanediol</i>	<i>ND</i>		<i>mg/L</i>				<i>30-130</i>				
<b>Duplicate (BJ51886-DUP1)</b> <span style="float: right;">Prepared &amp; Analyzed: 10/29/2025</span>											
*Source sample: 25J1654-10 (Field Blank)											
Ethylene Glycol	ND	10.0	mg/L		ND					25	
Propylene Glycol	ND	10.0	mg/L		ND					25	
<i>Surrogate: 1,4-Butanediol</i>	<i>ND</i>		<i>mg/L</i>				<i>30-130</i>				



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
25J1654-01	DPW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1654-02	FMW-25	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1654-05	MW-43	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1654-09	FMW-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1654-10	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1654-11	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PF-LCS-L	The LCS recovery for this PFAS compound was below control limits.
PF-LCS-H	The LCS recovery for this PFAS compound was above control limits.
PF-CCV-H	The CCV recovery for this PFAS compound was above control limits.
PFAS-MSL	The recovery for this matrix spike compound was below control limits possibly due to matrix effects or non-homogeneity of the sample verses the native sample
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogeneity of the sample verses the native sample
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.
HT-PR	Sample was prepared outside of the recommended holding time.
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.
/\	Analyte is not certified but the state of sample origination offer certification for the Analyte

## 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.

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**Revision Description:** This report has been revised to report reanalysis results for sample -07.



# Field Chain-of-Custody Record

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615

56 Church Hill Rd. #2 Newtown, CT 06470

2161 Whitesville Rd Toms River, NJ 08755

clientservices@yorklab.com

800-306-9675

800-306-9675

ALS Project Number

2551654

Page

1 of 1

Report To:		Invoice To:		YOUR Project Name / Number		Samples Collected From				Turn-Around Time		
Company:	WSP	Company:	same	NY	CT	PA	Other: (please specify)			RUSH - Next Day		
Address:	500 Summit Lodge Valhalla, NY	Address:		NJ	Analyses Requested			RUSH - Two Day		RUSH - Three Day		
Phone:	914 329 1392	Phone:		Westchester County Airport (WCA)					RUSH - Four Day		RUSH - Five Day	
Contact:	John Benavigne	Contact:		PO Number					Standard (6-9 Day)		Standard (7-10 Day)	
E-mail:	John.Benavigne@wsp.com	E-mail:		US0033899.2856					PFAS Standard		PFAS Standard 7-10 Day	
<p>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 ALS are resolved.</p> <p>MIKE REIFE</p>				<p>Preservative (please list number of containers)</p> <p>Unpreserved</p> <p>HCl (hydrochloric acid)</p> <p>MeOH (methanol)</p> <p>HNO<sub>3</sub> (nitric acid)</p> <p>H<sub>2</sub>SO<sub>4</sub> (sulfuric acid)</p> <p>NaOH (sodium hydroxide)</p> <p>Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> (sodium thio.)</p> <p>Trizma</p> <p>Ammonium Acetate</p> <p>Other:</p>				<p>Report Type (circle)</p> <p>QA Report</p> <p>Summary (Results Only)</p> <p>NY ASP B Package</p> <p>NJ Reduced</p> <p>NJ DKQP</p> <p>NJ Full</p> <p>CT RCP</p>				
<p>Matrix Codes</p> <p>S - soil/solid/sludge</p> <p>GW - groundwater</p> <p>DW - drinking water</p> <p>SW - surface water</p> <p>WW - wastewater</p> <p>O - Oil</p> <p>Other</p>				<p>Time</p> <p>1115 GW</p> <p>1150</p> <p>1230</p> <p>1300</p> <p>1400</p> <p>1340</p> <p>1445</p> <p>1445</p> <p>1530</p> <p>1545</p> <p>DI</p> <p>↓</p>				<p>EDD Type (circle)</p> <p>EQULS (standard)</p> <p>NYSDEC EQULS</p> <p>NJDEP SRP Haz Site</p> <p>Standard Excel</p> <p>CMDP</p> <p>Other:</p>				
<p>Sample Identification</p> <p>DPW-2</p> <p>FMW-25</p> <p>FMW-26</p> <p>MW-57</p> <p>MW-43</p> <p>MW-44</p> <p>MW-63</p> <p>Matrix spike (MW-63)</p> <p>Matrix spike duplicate (MW-63)</p> <p>Field duplicate</p> <p>FMW-8</p> <p>Field Blank</p> <p>Field Blank</p>				<p>Date</p> <p>10/27/25</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p>				<p>Regulatory Comparative</p> <p>Compared to the following Regulation(s): (please fill in)</p>				
<p>Comments:</p> <p>Samples received by Company</p> <p>Samples Relinquished by Company</p> <p>Samples Relinquished by Company</p> <p>Samples Relinquished by Company</p>				<p>Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N</p> <p>Custody Seals: Y / N Containers Intact: Y / N COC Labels Agree: Y / N Preservation Confirmed: Y / N</p> <p>COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N</p> <p>Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N</p>				<p>Field Filtered</p> <p>Lab Filtered</p>				
<p>Signature</p> <p>10/27/25 10:40</p>				<p>Signature</p> <p>10-28-25 9:40</p>				<p>Signature</p> <p>10-28-25 14:40</p>				



# Technical Report

prepared for:

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

Report Date: 11/06/2025  
**Client Project ID: Westchester County Airport**  
York Project (SDG) No.: 25J1718

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  
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(203) 325-1371

132-02 89th AVENUE  
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RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 11/06/2025  
Client Project ID: Westchester County Airport  
York Project (SDG) No.: 25J1718

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

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 29, 2025 and listed below. The project was identified as your project: **Westchester County Airport**.

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

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

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

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

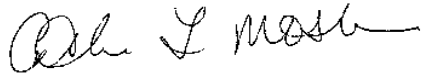
Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
25J1718-01	MW-51	Ground Water	10/28/2025	10/29/2025
25J1718-02	FMW-15	Ground Water	10/28/2025	10/29/2025
25J1718-03	FMW-16	Ground Water	10/28/2025	10/29/2025
25J1718-04	FMW-14	Ground Water	10/28/2025	10/29/2025
25J1718-05	MW-52	Ground Water	10/28/2025	10/29/2025
25J1718-06	FMW-23	Ground Water	10/28/2025	10/29/2025
25J1718-07	MW-53	Ground Water	10/28/2025	10/29/2025
25J1718-08	MW-16	Ground Water	10/28/2025	10/29/2025
25J1718-09	Field Blank	Water	10/28/2025	10/29/2025
25J1718-10	Trip Blank	Water	10/28/2025	10/29/2025

## **General Notes for York Project (SDG) No.: 25J1718**

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

**Approved By:**



Cassie L. Mosher  
Laboratory Manager

**Date:** 11/06/2025





### Sample Information

**Client Sample ID:** MW-51

**York Sample ID:** 25J1718-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 10:15 am

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>7.15</b>		ng/L	1.66	1.84	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>18.4</b>		ng/L	0.519	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
375-85-9	<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>7.95</b>		ng/L	0.726	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
355-46-4	<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>105</b>		ng/L	0.923	1.90	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
335-67-1	<b>Perfluorooctanoic acid (PFOA)</b>	<b>32.8</b>		ng/L	1.04	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>81.7</b>		ng/L	0.788	1.93	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
375-95-1	<b>Perfluorononanoic acid (PFNA)</b>	<b>3.84</b>		ng/L	1.03	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
335-76-2	<b>Perfluorodecanoic acid (PFDA)</b>	<b>0.733</b>	J	ng/L	0.591	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
2058-94-8	<b>Perfluoroundecanoic acid (PFUnA)</b>	<b>1.62</b>	J	ng/L	0.737	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.622	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.24	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
376-06-7	Perfluorotetradecanoic acid (PFTTA)	ND		ng/L	1.64	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.519	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.19	5.19	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>13.4</b>		ng/L	0.923	4.15	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.384	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
375-92-8	<b>Perfluoro-1-heptanesulfonic acid (PFHpS)</b>	<b>1.56</b>	J	ng/L	0.322	1.98	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.643	2.00	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.19	7.88	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.33	7.97	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>9.55</b>		ng/L	1.69	8.30	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM



### Sample Information

**Client Sample ID:** MW-51

**York Sample ID:** 25J1718-01

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

25J1718

Westchester County Airport

Ground Water

October 28, 2025 10:15 am

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.519	3.69	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.11	4.15	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.726	4.15	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.45	4.15	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>5.01</b>		ng/L	0.778	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.93	7.78	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.19	8.30	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.31	7.84	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.85	7.76	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
919005-14-4	ADONA	ND		ng/L	3.08	7.84	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.923	2.01	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.778	1.99	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.45	10.4	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	25.9	51.9	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	23.9	51.9	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.37	20.7	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.07	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.55	20.7	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.09	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:15	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	104 %	40-135
338-30-1	Surrogate: M5PFHxA	102 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	102 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	97.3 %	40-130



### Sample Information

**Client Sample ID:** MW-51

**York Sample ID:** 25J1718-01

<u>York Project (SDG) No.</u> 25J1718	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 28, 2025 10:15 am	<u>Date Received</u> 10/29/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	89.9 %			40-130						
13C6PFDA	Surrogate: M6PFDA	75.2 %			40-130						
13C7PFUNA	Surrogate: M7PFUDA	54.4 %			30-130						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	39.3 %			10-130						
13C2PFTEDA	Surrogate: M2PFTEDA	28.7 %			10-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	97.3 %			5-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	90.0 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	96.7 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	98.9 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	67.4 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	56.4 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	126 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	103 %			40-300						
13C9PFNA	Surrogate: M9PFNA	99.4 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	146 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	55.8 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	46.4 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	100 %			40-130						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	37.6 %			10-130						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	45.6 %			10-130						

### Sample Information

**Client Sample ID:** FMW-15

**York Sample ID:** 25J1718-02

<u>York Project (SDG) No.</u> 25J1718	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 28, 2025 11:00 am	<u>Date Received</u> 10/29/2025
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**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB



### Sample Information

**Client Sample ID:** FMW-15

**York Sample ID:** 25J1718-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:00 am

10/29/2025

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
79-34-5	1,1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 03:33	PMB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND	QL-02	ug/L	0.255	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 03:33	PMB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
594-20-7	2,2-Dichloropropane	ND	CCVE	ug/L	0.466	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB



### Sample Information

**Client Sample ID:** FMW-15

**York Sample ID:** 25J1718-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:00 am

10/29/2025

**VOA, 8260 LOW MASTER**

**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
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
74-83-9	Bromomethane	ND		ug/L	0.500	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB



### Sample Information

**Client Sample ID:** FMW-15

**York Sample ID:** 25J1718-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:00 am

10/29/2025

**VOA, 8260 LOW MASTER**

**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	0.203	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 03:33	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.500	2.00	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 03:33	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 03:33	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 13:00	11/02/2025 03:33	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 13:00	11/02/2025 03:33	PMB
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 03:33	PMB
622-96-8	* p-Ethyltoluene	ND	QL-02	ug/L	0.200	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 03:33	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB



### Sample Information

**Client Sample ID:** FMW-15

**York Sample ID:** 25J1718-02

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:00 am

10/29/2025

**VOA, 8260 LOW MASTER**

**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
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 03:33	PMB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
108-05-4	Vinyl acetate	ND	CCVE	ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:33	PMB
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:33	PMB
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	116 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			79-122						

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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)	33.9		ng/L	1.68	1.86	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	159		ng/L	0.525	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM



### Sample Information

**Client Sample ID:** FMW-15

**York Sample ID:** 25J1718-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:00 am

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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)	87.5		ng/L	0.735	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	426		ng/L	0.935	1.92	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
335-67-1	Perfluorooctanoic acid (PFOA)	113		ng/L	1.05	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	302		ng/L	0.798	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
375-95-1	Perfluorononanoic acid (PFNA)	302		ng/L	1.04	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
335-76-2	Perfluorodecanoic acid (PFDA)	11.7		ng/L	0.599	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	49.4		ng/L	0.746	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.630	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.26	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.66	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.525	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.25	5.25	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	181		ng/L	0.935	4.20	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.389	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	8.53		ng/L	0.326	2.01	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.651	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.25	7.98	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.36	8.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	47.5		ng/L	1.71	8.40	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.525	3.74	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.15	4.20	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.735	4.20	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM



### Sample Information

**Client Sample ID:** FMW-15

**York Sample ID:** 25J1718-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:00 am

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	1.47	4.20	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	45.1		ng/L	0.788	1.97	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.96	7.88	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.25	8.40	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.34	7.94	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.89	7.86	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
919005-14-4	ADONA	ND		ng/L	3.12	7.94	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.935	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.788	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.48	10.5	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	26.3	52.5	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	24.2	52.5	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.46	21.0	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.10	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.65	21.0	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.10	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:29	AM

**Surrogate Recoveries**

**Result**

**Acceptance Range**

M3PFBS	Surrogate: M3PFBS	107 %	40-135
338-30-1	Surrogate: M5PFHxA	97.5 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	101 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	103 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	92.2 %	40-130
13C6PFDA	Surrogate: M6PFDA	85.5 %	40-130
13C7PFUNA	Surrogate: M7PFUDA	68.5 %	30-130
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	48.7 %	10-130



### Sample Information

**Client Sample ID:** FMW-15

**York Sample ID:** 25J1718-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:00 am

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C2PFTEDA	Surrogate: M2PFTEDA	35.2 %			10-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	50.8 %			5-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	103 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	90.6 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	105 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	72.3 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	69.1 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	146 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	122 %			40-300						
13C9PFNA	Surrogate: M9PFNA	99.6 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	159 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	59.5 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	54.4 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	102 %			40-130						
D9-NETPFOSA1	Surrogate: d9-N-EtFOSE	45.6 %			10-130						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	52.5 %			10-130						

### Sample Information

**Client Sample ID:** FMW-16

**York Sample ID:** 25J1718-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:30 am

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	18.2		ng/L	1.66	1.84	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	91.0		ng/L	0.520	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	46.2		ng/L	0.728	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	354		ng/L	0.925	1.90	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
335-67-1	Perfluorooctanoic acid (PFOA)	91.7		ng/L	1.04	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM



### Sample Information

**Client Sample ID:** FMW-16

**York Sample ID:** 25J1718-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:30 am

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>700</b>		ng/L	3.95	9.67	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 13:03	AM
375-95-1	<b>Perfluorononanoic acid (PFNA)</b>	<b>19.6</b>		ng/L	1.03	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
335-76-2	<b>Perfluorodecanoic acid (PFDA)</b>	<b>2.94</b>		ng/L	0.593	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.738	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.624	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.25	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.64	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.520	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.20	5.20	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>93.0</b>		ng/L	0.925	4.16	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.385	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
375-92-8	<b>Perfluoro-1-heptanesulfonic acid (PFHpS)</b>	<b>13.0</b>		ng/L	0.322	1.99	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.644	2.01	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
27619-97-2	<b>1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)</b>	<b>55.2</b>		ng/L	5.20	7.90	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
39108-34-4	<b>1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)</b>	<b>5.38</b>	J	ng/L	2.34	7.98	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>30.7</b>		ng/L	1.69	8.32	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.520	3.70	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	3.12	4.16	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.728	4.16	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.46	4.16	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>26.6</b>		ng/L	0.780	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.93	7.80	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM



### Sample Information

**Client Sample ID:** FMW-16

**York Sample ID:** 25J1718-03

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:30 am

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	5.20	8.32	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
763051-92-9	11CL-PF3OUds	ND		ng/L	2.32	7.86	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.86	7.78	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
919005-14-4	ADONA	ND		ng/L	3.09	7.86	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.925	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.780	2.00	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.45	10.4	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	26.0	52.0	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	24.0	52.0	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.38	20.8	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.08	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.57	20.8	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.09	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:43	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	96.3 %	40-135
M3PFBS	Surrogate: M3PFBS	106 %	40-135
338-30-1	Surrogate: M5PFHxA	89.0 %	40-130
338-30-1	Surrogate: M5PFHxA	92.8 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	91.4 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	105 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	83.3 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	95.8 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	89.5 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	82.6 %	40-130
13C6PFDA	Surrogate: M6PFDA	74.1 %	40-130
13C6PFDA	Surrogate: M6PFDA	81.9 %	40-130
13C7PFUNA	Surrogate: M7PFUdA	57.1 %	30-130
13C7PFUNA	Surrogate: M7PFUdA	77.0 %	30-130



### Sample Information

**Client Sample ID:** FMW-16

**York Sample ID:** 25J1718-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 11:30 am

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	71.0 %			10-130						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	61.5 %			10-130						
13C2PFTEDA	Surrogate: M2PFTeDA	54.0 %			10-130						
13C2PFTEDA	Surrogate: M2PFTeDA	63.8 %			10-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	99.2 %			5-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	107 %			5-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	80.7 %			40-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	92.1 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	86.3 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	94.7 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	87.8 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	88.6 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	85.1 %			40-170						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	81.0 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	87.6 %			25-135						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	70.0 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	125 %			40-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	173 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	119 %			40-300						
M2-8:2FTS	Surrogate: M2-8:2 FTS	142 %			40-300						
13C9PFNA	Surrogate: M9PFNA	85.4 %			40-130						
13C9PFNA	Surrogate: M9PFNA	87.7 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	124 %			40-200						
M2-4:2FTS	Surrogate: M2-4:2 FTS	173 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	65.8 %			10-130						
936109-37-4	Surrogate: d-N-MeFOSA	75.1 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	66.2 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	77.4 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	103 %			40-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	99.0 %			40-130						
D9-NETPFOSA1	Surrogate: d9-N-EtFOSE	78.7 %			10-130						
D9-NETPFOSA1	Surrogate: d9-N-EtFOSE	79.1 %			10-130						



### Sample Information

**Client Sample ID:** FMW-16

**York Sample ID:** 25J1718-03

<u>York Project (SDG) No.</u> 25J1718	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 28, 2025 11:30 am	<u>Date Received</u> 10/29/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
D7-NMEPFOSA Surrogate: d7-N-MeFOSE		73.1 %			10-130						
D7-NMEPFOSA Surrogate: d7-N-MeFOSE		82.8 %			10-130						

### Sample Information

**Client Sample ID:** FMW-14

**York Sample ID:** 25J1718-04

<u>York Project (SDG) No.</u> 25J1718	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 28, 2025 12:15 pm	<u>Date Received</u> 10/29/2025
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**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 04:03	PMB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-66	11/01/2025 13:00	11/02/2025 04:03	PMB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-66	11/01/2025 13:00	11/02/2025 04:03	PMB
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND	QL-02	ug/L	0.255	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 04:03	PMB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-66	11/01/2025 13:00	11/02/2025 04:03	PMB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB



### Sample Information

**Client Sample ID:** FMW-14

**York Sample ID:** 25J1718-04

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

25J1718

Westchester County Airport

Ground Water

October 28, 2025 12:15 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**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	0.215	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
594-20-7	2,2-Dichloropropane	ND	CCVE	ug/L	0.466	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
74-83-9	Bromomethane	ND		ug/L	0.500	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB



### Sample Information

**Client Sample ID:** FMW-14

**York Sample ID:** 25J1718-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 12:15 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**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	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
108-90-7	<b>Chlorobenzene</b>	<b>5.33</b>		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	11/01/2025 13:00	11/02/2025 04:03	PMB
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 04:03	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.500	2.00	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 04:03	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 04:03	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB



### Sample Information

**Client Sample ID:** FMW-14

**York Sample ID:** 25J1718-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 12:15 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**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
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 13:00	11/02/2025 04:03	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 13:00	11/02/2025 04:03	PMB
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 04:03	PMB
622-96-8	* p-Ethyltoluene	ND	QL-02	ug/L	0.200	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 04:03	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 04:03	PMB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
108-05-4	Vinyl acetate	ND	CCVE	ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:03	PMB



### Sample Information

**Client Sample ID:** FMW-14

**York Sample ID:** 25J1718-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 12:15 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**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
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:03	PMB
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.7 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	115 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			79-122						

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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)	5.56		ng/L	1.70	1.88	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	25.8		ng/L	0.531	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	16.8		ng/L	0.743	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	80.7		ng/L	0.945	1.94	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
335-67-1	Perfluorooctanoic acid (PFOA)	34.4		ng/L	1.06	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	89.6		ng/L	0.807	1.97	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
375-95-1	Perfluorononanoic acid (PFNA)	16.1		ng/L	1.05	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.605	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.88	J	ng/L	0.754	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.637	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	1.27	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.68	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.531	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.31	5.31	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM



### Sample Information

**Client Sample ID:** FMW-14

**York Sample ID:** 25J1718-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 12:15 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2706-90-3	Perfluoropentanoic acid (PFPeA)	32.3		ng/L	0.945	4.25	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.393	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	1.54	J	ng/L	0.329	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.658	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.31	8.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.39	8.15	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	14.9		ng/L	1.73	8.49	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.531	3.78	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.18	4.25	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.743	4.25	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.49	4.25	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	4.71		ng/L	0.796	2.00	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.99	7.96	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.31	8.49	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.37	8.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.92	7.94	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
919005-14-4	ADONA	ND		ng/L	3.15	8.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.945	2.06	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.796	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.51	10.6	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	26.5	53.1	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM



### Sample Information

**Client Sample ID:** FMW-14

**York Sample ID:** 25J1718-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 12:15 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	24.5	53.1	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.54	21.2	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.12	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.73	21.2	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.11	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 17:58	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	104 %	40-135
338-30-1	Surrogate: M5PFHxA	94.9 %	40-130
13C4PFHPA	Surrogate: M4PFHPA	94.2 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	102 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	93.4 %	40-130
13C6PFDA	Surrogate: M6PFDA	86.8 %	40-130
13C7PFUNA	Surrogate: M7PFUdA	73.9 %	30-130
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	50.6 %	10-130
13C2PFTEDA	Surrogate: M2PFTeDA	29.7 %	10-130
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.5 %	5-130
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	96.8 %	40-130
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	82.9 %	40-130
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	99.5 %	40-130
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	81.8 %	40-170
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	80.0 %	25-135
M2-6:2FTS	Surrogate: M2-6:2 FTS	196 %	40-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	152 %	40-300
13C9PFNA	Surrogate: M9PFNA	106 %	40-130
M2-4:2FTS	Surrogate: M2-4:2 FTS	176 %	40-200
936109-37-4	Surrogate: d-N-MeFOSA	53.8 %	10-130
936109-40-9	Surrogate: d-N-EtFOSA	44.1 %	10-130
M3HFPO-DA	Surrogate: M3HFPO-DA	97.6 %	40-130
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	43.5 %	10-130
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	48.9 %	10-130



### Sample Information

**Client Sample ID:** MW-52

**York Sample ID:** 25J1718-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 1:00 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	1.71	1.90	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>0.557</b>	J	ng/L	0.535	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.749	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
355-46-4	<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>1.22</b>	J	ng/L	0.953	1.96	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.07	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>1.65</b>	J	ng/L	0.814	1.99	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	1.06	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.610	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.760	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.642	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.28	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.69	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.535	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.35	5.35	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>1.22</b>	J	ng/L	0.953	4.28	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.396	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.332	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.664	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.35	8.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.41	8.22	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.75	8.57	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.535	3.81	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM



### Sample Information

**Client Sample ID:** MW-52

**York Sample ID:** 25J1718-05

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

25J1718

Westchester County Airport

Ground Water

October 28, 2025 1:00 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	3.21	4.28	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.749	4.28	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.50	4.28	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.803	2.01	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.02	8.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.35	8.57	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.39	8.09	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.94	8.01	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
919005-14-4	ADONA	ND		ng/L	3.18	8.09	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.953	2.08	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.803	2.06	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.53	10.7	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	26.8	53.5	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	24.7	53.5	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.60	21.4	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.14	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.79	21.4	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.12	2.14	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:12	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	101 %	40-135
338-30-1	Surrogate: M5PFHxA	95.4 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	96.0 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	103 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	103 %	40-130



### Sample Information

**Client Sample ID:** MW-52

**York Sample ID:** 25J1718-05

<u>York Project (SDG) No.</u> 25J1718	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 28, 2025 1:00 pm	<u>Date Received</u> 10/29/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C6PFDA	Surrogate: M6PFDA	88.4 %			40-130						
13C7PFUNA	Surrogate: M7PFUdA	78.5 %			30-130						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	54.1 %			10-130						
13C2PFTEDA	Surrogate: M2PFTeDA	35.3 %			10-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.39 %	PFSu-L		5-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	108 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	51.5 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	120 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	94.7 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	89.2 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	155 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	134 %			40-300						
13C9PFNA	Surrogate: M9PFNA	108 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	170 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	100 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	96.9 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	98.6 %			40-130						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	47.0 %			10-130						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	55.8 %			10-130						

### Sample Information

**Client Sample ID:** FMW-23

**York Sample ID:** 25J1718-06

<u>York Project (SDG) No.</u> 25J1718	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 28, 2025 2:00 pm	<u>Date Received</u> 10/29/2025
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**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB



### Sample Information

**Client Sample ID:** FMW-23

**York Sample ID:** 25J1718-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:00 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**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
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 04:33	PMB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND	QL-02	ug/L	0.255	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 04:33	PMB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
594-20-7	2,2-Dichloropropane	ND	CCVE	ug/L	0.466	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB



### Sample Information

**Client Sample ID:** FMW-23

**York Sample ID:** 25J1718-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:00 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
74-83-9	Bromomethane	ND		ug/L	0.500	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>38.5</b>		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	11/01/2025 13:00	11/02/2025 04:33	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB



### Sample Information

**Client Sample ID:** FMW-23

**York Sample ID:** 25J1718-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:00 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 04:33	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.500	2.00	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 04:33	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 04:33	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 13:00	11/02/2025 04:33	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 13:00	11/02/2025 04:33	PMB
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 04:33	PMB
622-96-8	* p-Ethyltoluene	ND	QL-02	ug/L	0.200	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 04:33	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB



### Sample Information

**Client Sample ID:** FMW-23

**York Sample ID:** 25J1718-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:00 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 04:33	PMB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
108-05-4	Vinyl acetate	ND	CCVE	ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 04:33	PMB
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 04:33	PMB
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	116 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	18.9	PF-CC V-H	ng/L	8.37	9.26	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	227		ng/L	2.62	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	207	PF-CC V-H	ng/L	3.66	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM



### Sample Information

**Client Sample ID:** FMW-23

**York Sample ID:** 25J1718-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:00 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	155		ng/L	4.65	9.57	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
335-67-1	Perfluorooctanoic acid (PFOA)	108	PF-CC V-H	ng/L	5.23	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	339		ng/L	3.97	9.73	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
375-95-1	Perfluorononanoic acid (PFNA)	613	PF-CC V-H	ng/L	5.18	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
335-76-2	Perfluorodecanoic acid (PFDA)	35.1	PF-CC V-H	ng/L	2.98	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	14.1		ng/L	3.71	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	3.14	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	6.28	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	8.26	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
2355-31-9	N-MeFOSAA	ND		ng/L	2.62	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
2991-50-6	N-EtFOSAA	ND		ng/L	26.2	26.2	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	436		ng/L	4.65	20.9	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.94	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	6.07	J	ng/L	1.62	9.99	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	3.24	10.1	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	419		ng/L	26.2	39.7	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	11.8	40.2	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	103		ng/L	8.53	41.8	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	2.62	18.6	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	15.7	20.9	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	3.66	20.9	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	7.32	20.9	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM



### Sample Information

**Client Sample ID:** FMW-23

**York Sample ID:** 25J1718-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:00 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	17.7		ng/L	3.92	9.83	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	14.7	39.2	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	26.2	41.8	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	11.7	39.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	14.4	39.1	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
919005-14-4	ADONA	ND		ng/L	15.5	39.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	4.65	10.1	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	3.92	10.0	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	12.3	52.3	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	131	262	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	121	262	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
24448-09-7	N-MeFOSE	ND		ng/L	37.1	105	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
31506-32-8	N-MeFOSA	ND		ng/L	10.5	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
1691-99-2	N-EtFOSE	ND		ng/L	38.1	105	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM
4151-50-2	N-EtFOSA	ND		ng/L	5.49	10.5	5	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/05/2025 11:52	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	97.8 %	40-135
338-30-1	Surrogate: M5PFHxA	75.0 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	72.7 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	90.7 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	73.1 %	40-130
13C6PFDA	Surrogate: M6PFDA	74.8 %	40-130
13C7PFUNA	Surrogate: M7PFUDA	63.3 %	30-130
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	53.1 %	10-130
13C2PFTEDA	Surrogate: M2PFTEDA	53.1 %	10-130



### Sample Information

**Client Sample ID:** FMW-23

**York Sample ID:** 25J1718-06

<u>York Project (SDG) No.</u> 25J1718	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 28, 2025 2:00 pm	<u>Date Received</u> 10/29/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	68.5 %			5-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	87.5 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	79.9 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	95.2 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	83.5 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	75.7 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	166 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	123 %			40-300						
13C9PFNA	Surrogate: M9PFNA	82.1 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	165 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	64.6 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	56.1 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	87.8 %			40-130						
D9-NETPFOSA1	Surrogate: d9-N-EtFOSE	68.2 %			10-130						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	67.4 %			10-130						

### Sample Information

**Client Sample ID:** MW-53

**York Sample ID:** 25J1718-07

<u>York Project (SDG) No.</u> 25J1718	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 28, 2025 2:50 pm	<u>Date Received</u> 10/29/2025
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**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB



### Sample Information

**Client Sample ID:** MW-53

**York Sample ID:** 25J1718-07

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:50 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 05:02	PMB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND	QL-02	ug/L	0.255	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 05:02	PMB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
594-20-7	2,2-Dichloropropane	ND	CCVE	ug/L	0.466	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB



### Sample Information

**Client Sample ID:** MW-53

**York Sample ID:** 25J1718-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:50 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**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	1.78		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
74-83-9	Bromomethane	ND		ug/L	0.500	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB



### Sample Information

**Client Sample ID:** MW-53

**York Sample ID:** 25J1718-07

**York Project (SDG) No.**

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**Matrix**

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25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:50 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**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
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 05:02	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.500	2.00	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 05:02	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 05:02	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 13:00	11/02/2025 05:02	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 13:00	11/02/2025 05:02	PMB
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 05:02	PMB
622-96-8	* p-Ethyltoluene	ND	QL-02	ug/L	0.200	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 05:02	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB



### Sample Information

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Westchester County Airport

Ground Water

October 28, 2025 2:50 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**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	0.239	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 05:02	PMB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
108-05-4	Vinyl acetate	ND	CCVE	ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 05:02	PMB
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 05:02	PMB
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	104 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	116 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	101 %			79-122						

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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)	9.55		ng/L	1.64	1.81	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	36.9		ng/L	0.511	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	36.9		ng/L	0.716	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	195		ng/L	0.910	1.87	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
335-67-1	Perfluorooctanoic acid (PFOA)	45.5		ng/L	1.02	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	475		ng/L	0.777	1.90	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM



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25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:50 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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)	26.0		ng/L	1.01	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
335-76-2	Perfluorodecanoic acid (PFDA)	1.70	J	ng/L	0.583	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.726	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.613	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.23	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.62	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.511	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.11	5.11	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	61.1		ng/L	0.910	4.09	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.378	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	18.7		ng/L	0.317	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.634	1.97	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.11	7.77	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.30	7.85	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	36.3		ng/L	1.67	8.18	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.511	3.64	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.07	4.09	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.716	4.09	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.43	4.09	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	12.7		ng/L	0.767	1.92	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.88	7.67	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.11	8.18	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM



### Sample Information

**Client Sample ID:** MW-53

**York Sample ID:** 25J1718-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:50 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	2.28	7.73	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.81	7.65	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
919005-14-4	ADONA	ND		ng/L	3.04	7.73	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.910	1.98	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.767	1.96	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.41	10.2	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	25.6	51.1	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	23.6	51.1	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.26	20.4	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
31506-32-8	N-MeFOFA	ND		ng/L	2.04	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.44	20.4	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM
4151-50-2	N-EtFOFA	ND		ng/L	1.07	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:41	AM

**Surrogate Recoveries**

**Result**

**Acceptance Range**

M3PFBS	Surrogate: M3PFBS	118 %	40-135
338-30-1	Surrogate: M5PFHxA	109 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	102 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	105 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	105 %	40-130
13C6PFDA	Surrogate: M6PFDA	87.2 %	40-130
13C7PFUNA	Surrogate: M7PFUdA	76.9 %	30-130
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	55.4 %	10-130
13C2PFTEDA	Surrogate: M2PFTeDA	27.3 %	10-130
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	90.8 %	5-130
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	102 %	40-130
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	105 %	40-130
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	130 %	40-130



Sample Information

Client Sample ID: MW-53

York Sample ID: 25J1718-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 2:50 pm

10/29/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various PFAS compounds like D3-NMEFOSAA, D5-NETFOSAA, etc.

Sample Information

Client Sample ID: MW-16

York Sample ID: 25J1718-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 3:30 pm

10/29/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Perfluorobutanesulfonic acid, Perfluorohexanoic acid, etc.



### Sample Information

**Client Sample ID:** MW-16

**York Sample ID:** 25J1718-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 3:30 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	0.609	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.22	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.60	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.507	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.07	5.07	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>1.71</b>	<b>J</b>	ng/L	0.903	4.06	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.375	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.314	1.94	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.629	1.96	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.07	7.71	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.28	7.79	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>2.96</b>	<b>J</b>	ng/L	1.65	8.11	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.507	3.61	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.04	4.06	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.710	4.06	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.42	4.06	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.761	1.91	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.86	7.61	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.07	8.11	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.26	7.67	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.79	7.59	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
919005-14-4	ADONA	ND		ng/L	3.01	7.67	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM



### Sample Information

**Client Sample ID:** MW-16

**York Sample ID:** 25J1718-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Ground Water

October 28, 2025 3:30 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	0.903	1.97	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.761	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.39	10.1	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	25.4	50.7	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	23.4	50.7	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.20	20.3	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.03	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.38	20.3	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.06	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 18:55	AM

**Surrogate Recoveries**

**Result**

**Acceptance Range**

M3PFBS	Surrogate: M3PFBS	114 %	40-135
338-30-1	Surrogate: M5PFHxA	97.7 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	104 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	107 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	91.5 %	40-130
13C6PFDA	Surrogate: M6PFDA	87.3 %	40-130
13C7PFUNA	Surrogate: M7PFUdA	81.5 %	30-130
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	68.5 %	10-130
13C2PFTEDA	Surrogate: M2PFTeDA	46.8 %	10-130
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	36.7 %	5-130
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	106 %	40-130
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	90.5 %	40-130
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	110 %	40-130
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	91.0 %	40-170
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	85.7 %	25-135
M2-6:2FTS	Surrogate: M2-6:2 FTS	187 %	40-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	132 %	40-300
13C9PFNA	Surrogate: M9PFNA	102 %	40-130



### Sample Information

**Client Sample ID:** MW-16

**York Sample ID:** 25J1718-08

<u>York Project (SDG) No.</u> 25J1718	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 28, 2025 3:30 pm	<u>Date Received</u> 10/29/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
M2-4:2FTS	Surrogate: M2-4:2 FTS	175 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	82.7 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	79.9 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	103 %			40-130						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	65.5 %			10-130						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	74.0 %			10-130						

### Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 25J1718-09

<u>York Project (SDG) No.</u> 25J1718	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 28, 2025 4:00 pm	<u>Date Received</u> 10/29/2025
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**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.314	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 03:03	PMB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND	QL-02	ug/L	0.255	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 03:03	PMB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB



### Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 25J1718-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Water

October 28, 2025 4:00 pm

10/29/2025

**VOA, 8260 LOW MASTER**

**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	0.310	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
594-20-7	2,2-Dichloropropane	ND	CCVE	ug/L	0.466	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB



### Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 25J1718-09

York Project (SDG) No.

25J1718

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 28, 2025 4:00 pm

Date Received

10/29/2025

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
74-83-9	Bromomethane	ND		ug/L	0.500	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
67-66-3	<b>Chloroform</b>	<b>14.3</b>		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	11/01/2025 13:00	11/02/2025 03:03	PMB
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-66	11/01/2025 13:00	11/02/2025 03:03	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-66	11/01/2025 13:00	11/02/2025 03:03	PMB
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-66	11/01/2025 13:00	11/02/2025 03:03	PMB
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-66	11/01/2025 13:00	11/02/2025 03:03	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 03:03	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-66	11/01/2025 13:00	11/02/2025 03:03	PMB
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.500	2.00	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 03:03	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-66	11/01/2025 13:00	11/02/2025 03:03	PMB
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 13:00	11/02/2025 03:03	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB



### Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 25J1718-09

York Project (SDG) No.

25J1718

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 28, 2025 4:00 pm

Date Received

10/29/2025

**VOA, 8260 LOW MASTER**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 13:00	11/02/2025 03:03	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 13:00	11/02/2025 03:03	PMB
105-05-5	* p-Diethylbenzene	ND	QL-02	ug/L	0.341	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 03:03	PMB
622-96-8	* p-Ethyltoluene	ND	QL-02	ug/L	0.200	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 03:03	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 13:00	11/02/2025 03:03	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	11/01/2025 13:00	11/02/2025 03:03	PMB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB



### Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 25J1718-09

York Project (SDG) No.

25J1718

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 28, 2025 4:00 pm

Date Received

10/29/2025

**VOA, 8260 LOW MASTER**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
108-05-4	Vinyl acetate	ND	CCVE	ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-66	11/01/2025 13:00	11/02/2025 03:03	PMB
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 13:00	11/02/2025 03:03	PMB
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	117 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %			79-122						

**Q P PFAS, EPA 1633a Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: 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	1.64	1.81	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.511	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.716	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.910	1.87	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.02	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.777	1.90	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	1.01	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.583	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.726	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.613	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.23	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.62	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.511	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM



### Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 25J1718-09

York Project (SDG) No.

25J1718

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 28, 2025 4:00 pm

Date Received

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	5.11	5.11	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.910	4.09	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.378	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.317	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.634	1.97	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.11	7.77	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.30	7.85	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.67	8.18	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.511	3.64	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.07	4.09	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.716	4.09	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.43	4.09	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.767	1.92	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.88	7.67	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.11	8.18	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.28	7.73	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.81	7.65	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
919005-14-4	ADONA	ND		ng/L	3.04	7.73	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.910	1.98	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.767	1.96	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.41	10.2	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM



### Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 25J1718-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25J1718

Westchester County Airport

Water

October 28, 2025 4:00 pm

10/29/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	25.6	51.1	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	23.6	51.1	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.26	20.4	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.04	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.44	20.4	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.07	2.04	1	EPA 1633A Certifications: NYSDOH-NY12058	10/30/2025 12:16	11/02/2025 19:09	AM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
M3PFBS	Surrogate: M3PFBS	107 %	40-135								
338-30-1	Surrogate: M5PFHxA	108 %	40-130								
13C4PFHPA	Surrogate: M4PFHpA	108 %	40-130								
13C3PFHXS	Surrogate: M3PFHxS	102 %	40-130								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	95.5 %	40-130								
13C6PFDA	Surrogate: M6PFDA	97.5 %	40-130								
13C7PFUNA	Surrogate: M7PFUdA	97.6 %	30-130								
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	90.2 %	10-130								
13C2PFTEDA	Surrogate: M2PFTeDA	72.6 %	10-130								
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	95.9 %	5-130								
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	115 %	40-130								
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	104 %	40-130								
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	126 %	40-130								
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	103 %	40-170								
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	99.3 %	25-135								
M2-6:2FTS	Surrogate: M2-6:2 FTS	126 %	40-200								
M2-8:2FTS	Surrogate: M2-8:2 FTS	116 %	40-300								
13C9PFNA	Surrogate: M9PFNA	101 %	40-130								
M2-4:2FTS	Surrogate: M2-4:2 FTS	118 %	40-200								
936109-37-4	Surrogate: d-N-MeFOSA	107 %	10-130								
936109-40-9	Surrogate: d-N-EtFOSA	104 %	10-130								
M3HFPO-DA	Surrogate: M3HFPO-DA	108 %	40-130								
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	86.7 %	10-130								



Sample Information

Client Sample ID: Field Blank

York Sample ID: 25J1718-09

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 25J1718-10

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 25J1718-10

York Project (SDG) No.

25J1718

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 28, 2025 4:00 pm

Date Received

10/29/2025

**VOA, 8260 LOW MASTER**

**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	0.270	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
594-20-7	2,2-Dichloropropane	ND		ug/L	0.466	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
95-49-8	2-Chlorotoluene	ND		ug/L	0.376	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
106-43-4	4-Chlorotoluene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
67-64-1	Acetone	ND	CCVE	ug/L	1.34	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
108-86-1	Bromobenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
75-25-2	Bromoform	ND	CCVE	ug/L	0.163	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
74-83-9	Bromomethane	ND		ug/L	0.500	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB



### Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 25J1718-10

York Project (SDG) No.

25J1718

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 28, 2025 4:00 pm

Date Received

10/29/2025

**VOA, 8260 LOW MASTER**

**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	0.204	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
74-87-3	Chloromethane	ND	CCVE	ug/L	0.372	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.451	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.466	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.479	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 08:08	11/01/2025 11:43	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
74-88-4	* Iodomethane	ND	CCVE, QL-02	ug/L	0.500	2.00	1	EPA 8260D Certifications:	11/01/2025 08:08	11/01/2025 11:43	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
80-62-6	Methyl Methacrylate	ND		ug/L	0.415	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005	11/01/2025 08:08	11/01/2025 11:43	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB



### Sample Information

**Client Sample ID:** Trip Blank

**York Sample ID:** 25J1718-10

York Project (SDG) No.

25J1718

Client Project ID

Westchester County Airport

Matrix

Water

Collection Date/Time

October 28, 2025 4:00 pm

Date Received

10/29/2025

**VOA, 8260 LOW MASTER**

**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
104-51-8	n-Butylbenzene	ND	QL-02	ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 08:08	11/01/2025 11:43	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	11/01/2025 08:08	11/01/2025 11:43	PMB
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	11/01/2025 08:08	11/01/2025 11:43	PMB
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	11/01/2025 08:08	11/01/2025 11:43	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.16	8.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.511	0.800	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
127-18-4	Tetrachloroethylene	ND	CCVE, QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
109-99-9	* Tetrahydrofuran	ND		ug/L	0.485	0.500	1	EPA 8260D Certifications:	11/01/2025 08:08	11/01/2025 11:43	PMB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
79-01-6	Trichloroethylene	ND	CCVE	ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
108-05-4	Vinyl acetate	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	11/01/2025 08:08	11/01/2025 11:43	PMB
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB



**Sample Information**

**Client Sample ID:** Trip Blank

**York Sample ID:** 25J1718-10

York Project (SDG) No.  
25J1718

Client Project ID  
Westchester County Airport

Matrix  
Water

Collection Date/Time  
October 28, 2025 4:00 pm

Date Received  
10/29/2025

**VOA, 8260 LOW MASTER**

**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
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	11/01/2025 08:08	11/01/2025 11:43	PMB
	<b>Surrogate Recoveries</b>	<b>Result</b>									<b>Acceptance Range</b>
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	105 %									69-130
2037-26-5	Surrogate: SURRE: Toluene-d8	109 %									81-117
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	110 %									79-122



## Analytical Batch Summary

**Batch ID:** BJ52041      **Preparation Method:** EPA 1633 Prep      **Prepared By:** MG

YORK Sample ID	Client Sample ID	Preparation Date
25J1718-01	MW-51	10/30/25
25J1718-02	FMW-15	10/30/25
25J1718-03	FMW-16	10/30/25
25J1718-03RE1	FMW-16	10/30/25
25J1718-04	FMW-14	10/30/25
25J1718-05	MW-52	10/30/25
25J1718-06	FMW-23	10/30/25
25J1718-07	MW-53	10/30/25
25J1718-08	MW-16	10/30/25
25J1718-09	Field Blank	10/30/25
BJ52041-BLK1	Blank	10/30/25
BJ52041-BS1	LCS	10/30/25
BJ52041-BS2	LCS	10/30/25

**Batch ID:** BK50010      **Preparation Method:** EPA 5030B      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
25J1718-10	Trip Blank	11/01/25
BK50010-BLK1	Blank	11/01/25
BK50010-BS1	LCS	11/01/25
BK50010-BSD1	LCS Dup	11/01/25

**Batch ID:** BK50011      **Preparation Method:** EPA 5030B      **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
25J1718-02	FMW-15	11/01/25
25J1718-04	FMW-14	11/01/25
25J1718-06	FMW-23	11/01/25
25J1718-07	MW-53	11/01/25
25J1718-09	Field Blank	11/01/25
BK50011-BLK1	Blank	11/01/25
BK50011-BS1	LCS	11/01/25



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BK50010 - EPA 5030B**

**Blank (BK50010-BLK1)**

Prepared & Analyzed: 11/01/2025

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	0.330	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	0.330	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	2.00	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch BK50010 - EPA 5030B**

**Blank (BK50010-BLK1)**

Prepared & Analyzed: 11/01/2025

Diisopropyl ether (DIPE)	ND	0.800	ug/L								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	0.320	0.500	"								
Iodomethane	ND	2.00	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylenecyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	0.260	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>		<i>69-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</i>		<i>81-117</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</i>		<i>79-122</i>			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
<b>Batch BK50010 - EPA 5030B</b>										
<b>LCS (BK50010-BS1)</b>										
Prepared & Analyzed: 11/01/2025										
1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126			
1,1,1-Trichloroethane	9.83		"	10.0		98.3	78-136			
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165			
1,1,2-Trichloroethane	9.36		"	10.0		93.6	82-123			
1,1-Dichloroethane	9.08		"	10.0		90.8	82-129			
1,1-Dichloroethylene	10.7		"	10.0		107	68-138			
1,1-Dichloropropylene	8.95		"	10.0		89.5	83-133			
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136			
1,2,3-Trichloropropane	9.10		"	10.0		91.0	77-128			
1,2,4,5-Tetramethylbenzene	9.13		"	10.0		91.3	85-140			
1,2,4-Trichlorobenzene	10.3		"	10.0		103	76-137			
1,2,4-Trimethylbenzene	9.62		"	10.0		96.2	82-132			
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	45-147			
1,2-Dibromoethane	9.63		"	10.0		96.3	83-124			
1,2-Dichlorobenzene	9.13		"	10.0		91.3	79-123			
1,2-Dichloroethane	9.43		"	10.0		94.3	73-132			
1,2-Dichloropropane	9.66		"	10.0		96.6	78-126			
1,3,5-Trimethylbenzene	9.57		"	10.0		95.7	80-131			
1,3-Dichlorobenzene	9.16		"	10.0		91.6	86-122			
1,3-Dichloropropane	9.55		"	10.0		95.5	81-125			
1,4-Dichlorobenzene	8.88		"	10.0		88.8	85-124			
2,2-Dichloropropane	10.3		"	10.0		103	56-150			
2-Butanone	8.57		"	10.0		85.7	49-152			
2-Chlorotoluene	9.59		"	10.0		95.9	79-130			
2-Hexanone	8.43		"	10.0		84.3	51-146			
4-Chlorotoluene	9.61		"	10.0		96.1	79-128			
4-Methyl-2-pentanone	9.40		"	10.0		94.0	57-145			
Acetone	6.92		"	10.0		69.2	14-150			
Acrolein	51.2		"	40.0		128	10-153			
Acrylonitrile	8.83		"	10.0		88.3	51-150			
Benzene	9.60		"	10.0		96.0	85-126			
Bromobenzene	9.58		"	10.0		95.8	78-129			
Bromochloromethane	10.2		"	10.0		102	77-128			
Bromodichloromethane	10.6		"	10.0		106	79-128			
Bromoform	8.78		"	10.0		87.8	78-133			
Bromomethane	11.5		"	10.0		115	43-168			
Carbon disulfide	10.8		"	10.0		108	68-146			
Carbon tetrachloride	10.5		"	10.0		105	77-141			
Chlorobenzene	9.28		"	10.0		92.8	88-120			
Chloroethane	13.7		"	10.0		137	65-136	High Bias		
Chloroform	9.59		"	10.0		95.9	82-128			
Chloromethane	8.76		"	10.0		87.6	43-155			
cis-1,2-Dichloroethylene	9.87		"	10.0		98.7	83-129			
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131			
Cyclohexane	8.84		"	10.0		88.4	63-149			
Dibromochloromethane	10.5		"	10.0		105	80-130			
Dibromomethane	9.48		"	10.0		94.8	72-134			
Dichlorodifluoromethane	7.82		"	10.0		78.2	44-144			
Diisopropyl ether (DIPE)	8.65		"	10.0		86.5	70-130			



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch BK50010 - EPA 5030B**

**LCS (BK50010-BS1)**

Prepared & Analyzed: 11/01/2025

Ethyl Benzene	9.90		ug/L	10.0		99.0	80-131			
Ethyl tert-butyl ether (ETBE)	8.69		"	10.0		86.9	70-130			
Hexachlorobutadiene	9.13		"	10.0		91.3	67-146			
Iodomethane	6.11		"	10.0		61.1	70-130	Low Bias		
Isopropylbenzene	9.69		"	10.0		96.9	76-140			
Methyl acetate	17.2		"	10.0		172	51-139	High Bias		
Methyl Methacrylate	12.0		"	10.0		120	72-132			
Methyl tert-butyl ether (MTBE)	9.52		"	10.0		95.2	76-135			
Methylcyclohexane	8.45		"	10.0		84.5	72-143			
Methylene chloride	11.2		"	10.0		112	55-137			
Naphthalene	10.4		"	10.0		104	70-147			
n-Butylbenzene	7.81		"	10.0		78.1	79-132	Low Bias		
n-Propylbenzene	9.73		"	10.0		97.3	78-133			
o-Xylene	9.76		"	10.0		97.6	78-130			
p- & m- Xylenes	20.8		"	20.0		104	77-133			
p-Diethylbenzene	8.85		"	10.0		88.5	84-134			
p-Ethyltoluene	9.17		"	10.0		91.7	88-129			
p-Isopropyltoluene	9.60		"	10.0		96.0	81-136			
sec-Butylbenzene	9.12		"	10.0		91.2	79-137			
Styrene	9.24		"	10.0		92.4	67-132			
tert-Amyl alcohol (TAA)	96.6		"	100		96.6	70-130			
tert-Amyl methyl ether (TAME)	8.58		"	10.0		85.8	70-130			
tert-Butyl alcohol (TBA)	46.0		"	50.0		92.0	25-162			
tert-Butylbenzene	8.65		"	10.0		86.5	77-138			
Tetrachloroethylene	5.13		"	10.0		51.3	82-131	Low Bias		
Tetrahydrofuran	10.0		"	10.0		100	36-166			
Toluene	9.49		"	10.0		94.9	80-127			
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132			
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131			
trans-1,4-dichloro-2-butene	9.86		"	10.0		98.6	63-141			
Trichloroethylene	8.80		"	10.0		88.0	82-128			
Trichlorofluoromethane	9.92		"	10.0		99.2	67-139			
Vinyl acetate	12.4		"	10.0		124	21-90	High Bias		
Vinyl Chloride	9.63		"	10.0		96.3	58-145			
<i>Surrogate: Surr: 1,2-Dichloroethane-d4</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</i>	<i>69-130</i>			
<i>Surrogate: Surr: Toluene-d8</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>81-117</i>			
<i>Surrogate: Surr: p-Bromofluorobenzene</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>79-122</i>			



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
<b>Batch BK50010 - EPA 5030B</b>										
<b>LCS Dup (BK50010-BSD1)</b>										
Prepared & Analyzed: 11/01/2025										
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0	101		82-126		0.794	30
1,1,1-Trichloroethane	9.68		"	10.0	96.8		78-136		1.54	30
1,1,2,2-Tetrachloroethane	10.3		"	10.0	103		76-129		0.680	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0	104		54-165		3.97	30
1,1,2-Trichloroethane	9.65		"	10.0	96.5		82-123		3.05	30
1,1-Dichloroethane	9.02		"	10.0	90.2		82-129		0.663	30
1,1-Dichloroethylene	10.4		"	10.0	104		68-138		2.75	30
1,1-Dichloropropylene	8.73		"	10.0	87.3		83-133		2.49	30
1,2,3-Trichlorobenzene	10.2		"	10.0	102		76-136		0.681	30
1,2,3-Trichloropropane	9.22		"	10.0	92.2		77-128		1.31	30
1,2,4,5-Tetramethylbenzene	9.05		"	10.0	90.5		85-140		0.880	30
1,2,4-Trichlorobenzene	10.2		"	10.0	102		76-137		0.681	30
1,2,4-Trimethylbenzene	9.58		"	10.0	95.8		82-132		0.417	30
1,2-Dibromo-3-chloropropane	10.9		"	10.0	109		45-147		1.55	30
1,2-Dibromoethane	9.93		"	10.0	99.3		83-124		3.07	30
1,2-Dichlorobenzene	9.03		"	10.0	90.3		79-123		1.10	30
1,2-Dichloroethane	9.59		"	10.0	95.9		73-132		1.68	30
1,2-Dichloropropane	9.74		"	10.0	97.4		78-126		0.825	30
1,3,5-Trimethylbenzene	9.52		"	10.0	95.2		80-131		0.524	30
1,3-Dichlorobenzene	8.98		"	10.0	89.8		86-122		1.98	30
1,3-Dichloropropane	9.79		"	10.0	97.9		81-125		2.48	30
1,4-Dichlorobenzene	8.76		"	10.0	87.6		85-124		1.36	30
2,2-Dichloropropane	9.87		"	10.0	98.7		56-150		4.07	30
2-Butanone	8.65		"	10.0	86.5		49-152		0.929	30
2-Chlorotoluene	9.50		"	10.0	95.0		79-130		0.943	30
2-Hexanone	8.96		"	10.0	89.6		51-146		6.10	30
4-Chlorotoluene	9.53		"	10.0	95.3		79-128		0.836	30
4-Methyl-2-pentanone	9.94		"	10.0	99.4		57-145		5.58	30
Acetone	6.91		"	10.0	69.1		14-150		0.145	30
Acrolein	52.0		"	40.0	130		10-153		1.51	30
Acrylonitrile	9.10		"	10.0	91.0		51-150		3.01	30
Benzene	9.55		"	10.0	95.5		85-126		0.522	30
Bromobenzene	9.49		"	10.0	94.9		78-129		0.944	30
Bromochloromethane	10.2		"	10.0	102		77-128		0.0985	30
Bromodichloromethane	10.7		"	10.0	107		79-128		0.938	30
Bromoform	9.05		"	10.0	90.5		78-133		3.03	30
Bromomethane	12.1		"	10.0	121		43-168		4.75	30
Carbon disulfide	10.4		"	10.0	104		68-146		3.21	30
Carbon tetrachloride	10.3		"	10.0	103		77-141		1.44	30
Chlorobenzene	9.27		"	10.0	92.7		88-120		0.108	30
Chloroethane	13.4		"	10.0	134		65-136		2.14	30
Chloroform	9.58		"	10.0	95.8		82-128		0.104	30
Chloromethane	8.66		"	10.0	86.6		43-155		1.15	30
cis-1,2-Dichloroethylene	9.88		"	10.0	98.8		83-129		0.101	30
cis-1,3-Dichloropropylene	10.2		"	10.0	102		80-131		1.68	30
Cyclohexane	8.64		"	10.0	86.4		63-149		2.29	30
Dibromochloromethane	10.7		"	10.0	107		80-130		1.97	30
Dibromomethane	9.71		"	10.0	97.1		72-134		2.40	30
Dichlorodifluoromethane	7.62		"	10.0	76.2		44-144		2.59	30
Diisopropyl ether (DIPE)	8.80		"	10.0	88.0		70-130		1.72	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50010 - EPA 5030B

LCS Dup (BK50010-BSD1)

Prepared & Analyzed: 11/01/2025

Ethyl Benzene	9.88		ug/L	10.0		98.8	80-131		0.202	30	
Ethyl tert-butyl ether (ETBE)	8.93		"	10.0		89.3	70-130		2.72	30	
Hexachlorobutadiene	8.84		"	10.0		88.4	67-146		3.23	30	
Iodomethane	5.58		"	10.0		55.8	70-130	Low Bias	9.07	30	
Isopropylbenzene	9.56		"	10.0		95.6	76-140		1.35	30	
Methyl acetate	17.6		"	10.0		176	51-139	High Bias	2.24	30	
Methyl Methacrylate	12.4		"	10.0		124	72-132		3.68	30	
Methyl tert-butyl ether (MTBE)	9.86		"	10.0		98.6	76-135		3.51	30	
Methylcyclohexane	8.37		"	10.0		83.7	72-143		0.951	30	
Methylene chloride	11.3		"	10.0		113	55-137		1.07	30	
Naphthalene	10.5		"	10.0		105	70-147		0.862	30	
n-Butylbenzene	7.72		"	10.0		77.2	79-132	Low Bias	1.16	30	
n-Propylbenzene	9.59		"	10.0		95.9	78-133		1.45	30	
o-Xylene	9.78		"	10.0		97.8	78-130		0.205	30	
p- & m- Xylenes	20.9		"	20.0		105	77-133		0.479	30	
p-Diethylbenzene	8.82		"	10.0		88.2	84-134		0.340	30	
p-Ethyltoluene	9.09		"	10.0		90.9	88-129		0.876	30	
p-Isopropyltoluene	9.57		"	10.0		95.7	81-136		0.313	30	
sec-Butylbenzene	9.12		"	10.0		91.2	79-137		0.00	30	
Styrene	9.29		"	10.0		92.9	67-132		0.540	30	
tert-Amyl alcohol (TAA)	105		"	100		105	70-130		8.52	30	
tert-Amyl methyl ether (TAME)	8.88		"	10.0		88.8	70-130		3.44	30	
tert-Butyl alcohol (TBA)	48.9		"	50.0		97.9	25-162		6.15	30	
tert-Butylbenzene	8.60		"	10.0		86.0	77-138		0.580	30	
Tetrachloroethylene	5.08		"	10.0		50.8	82-131	Low Bias	0.979	30	
Tetrahydrofuran	10.3		"	10.0		103	36-166		2.27	30	
Toluene	9.43		"	10.0		94.3	80-127		0.634	30	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	80-132		1.58	30	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131		1.77	30	
trans-1,4-dichloro-2-butene	9.51		"	10.0		95.1	63-141		3.61	30	
Trichloroethylene	8.73		"	10.0		87.3	82-128		0.799	30	
Trichlorofluoromethane	9.69		"	10.0		96.9	67-139		2.35	30	
Vinyl acetate	12.3		"	10.0		123	21-90	High Bias	0.730	30	
Vinyl Chloride	9.12		"	10.0		91.2	58-145		5.44	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.9		"	10.0		109	69-130				
Surrogate: SURRE: Toluene-d8	10.6		"	10.0		106	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50011 - EPA 5030B

Blank (BK50011-BLK1)

Prepared & Analyzed: 11/01/2025

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	2.00	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Diisopropyl ether (DIPE)	ND	0.800	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BK50011 - EPA 5030B**

**Blank (BK50011-BLK1)**

Prepared & Analyzed: 11/01/2025

Ethyl Benzene	ND	0.500	ug/L									
Ethyl tert-butyl ether (ETBE)	ND	0.800	"									
Hexachlorobutadiene	ND	0.500	"									
Iodomethane	ND	2.00	"									
Isopropylbenzene	ND	0.500	"									
Methyl acetate	ND	0.500	"									
Methyl Methacrylate	ND	0.500	"									
Methyl tert-butyl ether (MTBE)	ND	0.500	"									
Methylcyclohexane	ND	0.500	"									
Methylene chloride	ND	2.00	"									
Naphthalene	ND	2.00	"									
n-Butylbenzene	ND	0.500	"									
n-Propylbenzene	ND	0.500	"									
o-Xylene	ND	0.500	"									
p- & m- Xylenes	ND	1.00	"									
p-Diethylbenzene	ND	0.500	"									
p-Ethyltoluene	ND	0.500	"									
p-Isopropyltoluene	ND	0.500	"									
sec-Butylbenzene	ND	0.500	"									
Styrene	ND	0.500	"									
tert-Amyl alcohol (TAA)	ND	8.00	"									
tert-Amyl methyl ether (TAME)	ND	0.800	"									
tert-Butyl alcohol (TBA)	ND	1.00	"									
tert-Butylbenzene	ND	0.500	"									
Tetrachloroethylene	ND	0.500	"									
Tetrahydrofuran	ND	0.500	"									
Toluene	ND	0.500	"									
trans-1,2-Dichloroethylene	ND	0.500	"									
trans-1,3-Dichloropropylene	ND	0.500	"									
trans-1,4-dichloro-2-butene	ND	0.500	"									
Trichloroethylene	ND	0.500	"									
Trichlorofluoromethane	ND	0.500	"									
Vinyl acetate	ND	0.500	"									
Vinyl Chloride	ND	0.500	"									
Xylenes, Total	ND	1.50	"									
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>69-130</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>11.3</i>		<i>"</i>	<i>10.0</i>		<i>113</i>	<i>81-117</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>79-122</i>					



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
<b>Batch BK50011 - EPA 5030B</b>										
<b>LCS (BK50011-BS1)</b>										
Prepared & Analyzed: 11/01/2025										
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126			
1,1,1-Trichloroethane	9.46		"	10.0		94.6	78-136			
1,1,2,2-Tetrachloroethane	9.64		"	10.0		96.4	76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.45		"	10.0		94.5	54-165			
1,1,2-Trichloroethane	11.1		"	10.0		111	82-123			
1,1-Dichloroethane	9.27		"	10.0		92.7	82-129			
1,1-Dichloroethylene	9.51		"	10.0		95.1	68-138			
1,1-Dichloropropylene	8.61		"	10.0		86.1	83-133			
1,2,3-Trichlorobenzene	8.78		"	10.0		87.8	76-136			
1,2,3-Trichloropropane	9.15		"	10.0		91.5	77-128			
1,2,4,5-Tetramethylbenzene	8.30		"	10.0		83.0	85-140	Low Bias		
1,2,4-Trichlorobenzene	8.71		"	10.0		87.1	76-137			
1,2,4-Trimethylbenzene	8.94		"	10.0		89.4	82-132			
1,2-Dibromo-3-chloropropane	8.94		"	10.0		89.4	45-147			
1,2-Dibromoethane	11.2		"	10.0		112	83-124			
1,2-Dichlorobenzene	8.76		"	10.0		87.6	79-123			
1,2-Dichloroethane	9.01		"	10.0		90.1	73-132			
1,2-Dichloropropane	10.3		"	10.0		103	78-126			
1,3,5-Trimethylbenzene	8.83		"	10.0		88.3	80-131			
1,3-Dichlorobenzene	8.43		"	10.0		84.3	86-122	Low Bias		
1,3-Dichloropropane	11.1		"	10.0		111	81-125			
1,4-Dichlorobenzene	8.75		"	10.0		87.5	85-124			
2,2-Dichloropropane	8.10		"	10.0		81.0	56-150			
2-Butanone	9.00		"	10.0		90.0	49-152			
2-Chlorotoluene	8.39		"	10.0		83.9	79-130			
2-Hexanone	10.6		"	10.0		106	51-146			
4-Chlorotoluene	8.72		"	10.0		87.2	79-128			
4-Methyl-2-pentanone	11.1		"	10.0		111	57-145			
Acetone	7.68		"	10.0		76.8	14-150			
Acrolein	46.0		"	40.0		115	10-153			
Acrylonitrile	11.0		"	10.0		110	51-150			
Benzene	9.33		"	10.0		93.3	85-126			
Bromobenzene	8.57		"	10.0		85.7	78-129			
Bromochloromethane	9.69		"	10.0		96.9	77-128			
Bromodichloromethane	11.1		"	10.0		111	79-128			
Bromoform	11.3		"	10.0		113	78-133			
Bromomethane	10.0		"	10.0		100	43-168			
Carbon disulfide	9.22		"	10.0		92.2	68-146			
Carbon tetrachloride	9.25		"	10.0		92.5	77-141			
Chlorobenzene	10.6		"	10.0		106	88-120			
Chloroethane	11.0		"	10.0		110	65-136			
Chloroform	9.13		"	10.0		91.3	82-128			
Chloromethane	8.53		"	10.0		85.3	43-155			
cis-1,2-Dichloroethylene	9.18		"	10.0		91.8	83-129			
cis-1,3-Dichloropropylene	11.1		"	10.0		111	80-131			
Cyclohexane	8.78		"	10.0		87.8	63-149			
Dibromochloromethane	11.2		"	10.0		112	80-130			
Dibromomethane	11.2		"	10.0		112	72-134			
Dichlorodifluoromethane	6.03		"	10.0		60.3	44-144			
Diisopropyl ether (DIPE)	8.77		"	10.0		87.7	70-130			



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch BK50011 - EPA 5030B**

**LCS (BK50011-BS1)**

Prepared & Analyzed: 11/01/2025

Ethyl Benzene	10.6		ug/L	10.0		106	80-131				
Ethyl tert-butyl ether (ETBE)	8.53		"	10.0		85.3	70-130				
Hexachlorobutadiene	8.78		"	10.0		87.8	67-146				
Iodomethane	5.63		"	10.0		56.3	70-130	Low Bias			
Isopropylbenzene	9.04		"	10.0		90.4	76-140				
Methyl acetate	12.4		"	10.0		124	51-139				
Methyl Methacrylate	12.5		"	10.0		125	72-132				
Methyl tert-butyl ether (MTBE)	8.61		"	10.0		86.1	76-135				
Methylcyclohexane	9.74		"	10.0		97.4	72-143				
Methylene chloride	9.86		"	10.0		98.6	55-137				
Naphthalene	9.84		"	10.0		98.4	70-147				
n-Butylbenzene	8.00		"	10.0		80.0	79-132				
n-Propylbenzene	8.79		"	10.0		87.9	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	21.0		"	20.0		105	77-133				
p-Diethylbenzene	8.17		"	10.0		81.7	84-134	Low Bias			
p-Ethyltoluene	8.22		"	10.0		82.2	88-129	Low Bias			
p-Isopropyltoluene	8.45		"	10.0		84.5	81-136				
sec-Butylbenzene	8.66		"	10.0		86.6	79-137				
Styrene	10.4		"	10.0		104	67-132				
tert-Amyl alcohol (TAA)	81.9		"	100		81.9	70-130				
tert-Amyl methyl ether (TAME)	8.68		"	10.0		86.8	70-130				
tert-Butyl alcohol (TBA)	49.1		"	50.0		98.2	25-162				
tert-Butylbenzene	8.61		"	10.0		86.1	77-138				
Tetrachloroethylene	6.24		"	10.0		62.4	82-131	Low Bias			
Tetrahydrofuran	9.67		"	10.0		96.7	36-166				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	9.10		"	10.0		91.0	80-132				
trans-1,3-Dichloropropylene	11.4		"	10.0		114	78-131				
trans-1,4-dichloro-2-butene	9.07		"	10.0		90.7	63-141				
Trichloroethylene	9.88		"	10.0		98.8	82-128				
Trichlorofluoromethane	8.80		"	10.0		88.0	67-139				
Vinyl acetate	9.25		"	10.0		92.5	21-90	High Bias			
Vinyl Chloride	9.02		"	10.0		90.2	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.82</i>		<i>"</i>	<i>10.0</i>		<i>98.2</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>11.3</i>		<i>"</i>	<i>10.0</i>		<i>113</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.53</i>		<i>"</i>	<i>10.0</i>		<i>95.3</i>	<i>79-122</i>				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL1)**

Prepared & Analyzed: 10/29/2025

1,1,1,2-Tetrachloroethane	0.00		ug/L	0.100							
1,1,1-Trichloroethane	0.00		"	0.100							
1,1,2,2-Tetrachloroethane	0.00		"	0.100							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00		"	0.100							
1,1,2-Trichloroethane	0.00		"	0.100							
1,1-Dichloroethane	0.00		"	0.100							
1,1-Dichloroethylene	0.00		"	0.100							
1,1-Dichloropropylene	0.00		"	0.100							
1,2,3-Trichlorobenzene	0.00		"	0.100							
1,2,3-Trichloropropane	0.00		"	0.100							
1,2,4,5-Tetramethylbenzene	0.00		"	0.100							
1,2,4-Trichlorobenzene	0.200		"	0.100			200				
1,2,4-Trimethylbenzene	0.00		"	0.100							
1,2-Dibromo-3-chloropropane	0.00		"	0.100							
1,2-Dibromoethane	0.00		"	0.100							
1,2-Dichlorobenzene	0.00		"	0.100							
1,2-Dichloroethane	0.00		"	0.100							
1,2-Dichloropropane	0.00		"	0.100							
1,3,5-Trimethylbenzene	0.00		"	0.100							
1,3-Dichlorobenzene	0.00		"	0.100							
1,3-Dichloropropane	0.00		"	0.100							
1,4-Dichlorobenzene	0.00		"	0.100							
2,2-Dichloropropane	0.00		"	0.100							
2-Butanone	0.00		"	0.100							
2-Chlorotoluene	0.00		"	0.100							
2-Hexanone	0.00		"	0.100							
4-Chlorotoluene	0.00		"	0.100							
4-Methyl-2-pentanone	0.00		"	0.100							
Acetone	0.860		"	0.100			860				
Acrolein	0.470		"	0.400			118				
Acrylonitrile	0.440		"	0.500			88.0				
Benzene	0.00		"	0.100							
Bromobenzene	0.00		"	0.100							
Bromochloromethane	0.00		"	0.100							
Bromodichloromethane	0.00		"	0.100							
Bromoform	0.00		"	0.100							
Bromomethane	0.00		"	0.100							
Carbon disulfide	0.200		"	0.100			200				
Carbon tetrachloride	0.00		"	0.100							
Chlorobenzene	0.00		"	0.100							
Chloroethane	0.00		"	0.100							
Chloroform	0.00		"	0.100							
Chloromethane	0.00		"	0.100							
cis-1,2-Dichloroethylene	0.200		"	0.100			200				
cis-1,3-Dichloropropylene	0.00		"	0.100							
Cyclohexane	0.00		"	0.100							
Dibromochloromethane	0.00		"	0.100							
Dibromomethane	0.00		"	0.100							
Dichlorodifluoromethane	0.00		"	0.100							
Diisopropyl ether (DIPE)	0.00		"	0.100							



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL1)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	0.200		ug/L	0.100		200							
Ethyl tert-butyl ether (ETBE)	0.00		"	0.100									
Hexachlorobutadiene	0.00		"	0.100									
Iodomethane	0.00		"	0.100									
Isopropylbenzene	0.00		"	0.100									
Methyl acetate	0.210		"	0.100		210							
Methyl Methacrylate	0.00		"	0.100									
Methyl tert-butyl ether (MTBE)	0.00		"	0.100									
Methylcyclohexane	0.00		"	0.100									
Methylene chloride	0.460		"	0.100		460							
Naphthalene	0.00		"	0.100									
n-Butylbenzene	0.00		"	0.100									
n-Propylbenzene	0.00		"	0.100									
o-Xylene	0.200		"	0.100		200							
p- & m- Xylenes	0.520		"	0.200		260							
p-Diethylbenzene	0.00		"	0.100									
p-Ethyltoluene	0.00		"	0.100									
p-Isopropyltoluene	0.00		"	0.100									
sec-Butylbenzene	0.00		"	0.100									
Styrene	0.00		"	0.100									
tert-Amyl alcohol (TAA)	0.320		"	0.500		64.0							
tert-Amyl methyl ether (TAME)	0.00		"	0.100									
tert-Butyl alcohol (TBA)	0.470		"	0.500		94.0							
tert-Butylbenzene	0.00		"	0.100									
Tetrachloroethylene	0.00		"	0.100									
Tetrahydrofuran	0.240		"	0.500		48.0							
Toluene	0.770		"	0.100		770							
trans-1,2-Dichloroethylene	0.00		"	0.100									
trans-1,3-Dichloropropylene	0.00		"	0.100									
trans-1,4-dichloro-2-butene	0.00		"	0.100									
Trichloroethylene	0.00		"	0.100									
Trichlorofluoromethane	0.00		"	0.100									
Vinyl acetate	0.00		"	0.100									
Vinyl Chloride	0.00		"	0.100									
Surrogate: SURRE: 1,2-Dichloroethane-d4	9.68		"	10.0		96.8							
Surrogate: SURRE: Toluene-d8	11.2		"	10.0		112							
Surrogate: SURRE: p-Bromofluorobenzene	10.7		"	10.0		107							



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Flag	RPD		
		Limit						Units	Level	Result
<b>Batch S5J3003 - BJ51867</b>										
<b>8260 (S5J3003-CAL2)</b>										
Prepared & Analyzed: 10/29/2025										
1,1,1,2-Tetrachloroethane	0.240		ug/L	0.250		96.0				
1,1,1-Trichloroethane	0.240		"	0.250		96.0				
1,1,2,2-Tetrachloroethane	0.250		"	0.250		100				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.250		"	0.250		100				
1,1,2-Trichloroethane	0.260		"	0.250		104				
1,1-Dichloroethane	0.260		"	0.250		104				
1,1-Dichloroethylene	0.260		"	0.250		104				
1,1-Dichloropropylene	0.230		"	0.250		92.0				
1,2,3-Trichlorobenzene	0.250		"	0.250		100				
1,2,3-Trichloropropane	0.200		"	0.250		80.0				
1,2,4,5-Tetramethylbenzene	0.00		"	0.250						
1,2,4-Trichlorobenzene	0.230		"	0.250		92.0				
1,2,4-Trimethylbenzene	0.220		"	0.250		88.0				
1,2-Dibromo-3-chloropropane	0.00		"	0.250						
1,2-Dibromoethane	0.220		"	0.250		88.0				
1,2-Dichlorobenzene	0.270		"	0.250		108				
1,2-Dichloroethane	0.270		"	0.250		108				
1,2-Dichloropropane	0.260		"	0.250		104				
1,3,5-Trimethylbenzene	0.220		"	0.250		88.0				
1,3-Dichlorobenzene	0.260		"	0.250		104				
1,3-Dichloropropane	0.270		"	0.250		108				
1,4-Dichlorobenzene	0.250		"	0.250		100				
2,2-Dichloropropane	0.220		"	0.250		88.0				
2-Butanone	0.00		"	0.250						
2-Chlorotoluene	0.260		"	0.250		104				
2-Hexanone	0.220		"	0.250		88.0				
4-Chlorotoluene	0.250		"	0.250		100				
4-Methyl-2-pentanone	0.290		"	0.250		116				
Acetone	0.570		"	0.250		228				
Acrolein	1.14		"	1.00		114				
Acrylonitrile	1.07		"	1.25		85.6				
Benzene	0.240		"	0.250		96.0				
Bromobenzene	0.260		"	0.250		104				
Bromochloromethane	0.260		"	0.250		104				
Bromodichloromethane	0.240		"	0.250		96.0				
Bromoform	0.00		"	0.250						
Bromomethane	0.200		"	0.250		80.0				
Carbon disulfide	0.290		"	0.250		116				
Carbon tetrachloride	0.220		"	0.250		88.0				
Chlorobenzene	0.290		"	0.250		116				
Chloroethane	0.330		"	0.250		132				
Chloroform	0.250		"	0.250		100				
Chloromethane	0.210		"	0.250		84.0				
cis-1,2-Dichloroethylene	0.250		"	0.250		100				
cis-1,3-Dichloropropylene	0.200		"	0.250		80.0				
Cyclohexane	0.240		"	0.250		96.0				
Dibromochloromethane	0.210		"	0.250		84.0				
Dibromomethane	0.240		"	0.250		96.0				
Dichlorodifluoromethane	0.230		"	0.250		92.0				
Diisopropyl ether (DIPE)	0.230		"	0.250		92.0				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL2)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	0.270		ug/L	0.250		108							
Ethyl tert-butyl ether (ETBE)	0.220		"	0.250		88.0							
Hexachlorobutadiene	0.260		"	0.250		104							
Iodomethane	0.00		"	0.250									
Isopropylbenzene	0.230		"	0.250		92.0							
Methyl acetate	0.350		"	0.250		140							
Methyl Methacrylate	0.210		"	0.250		84.0							
Methyl tert-butyl ether (MTBE)	0.210		"	0.250		84.0							
Methylcyclohexane	0.240		"	0.250		96.0							
Methylene chloride	0.580		"	0.250		232							
Naphthalene	0.220		"	0.250		88.0							
n-Butylbenzene	0.230		"	0.250		92.0							
n-Propylbenzene	0.240		"	0.250		96.0							
o-Xylene	0.250		"	0.250		100							
p- & m- Xylenes	0.560		"	0.500		112							
p-Diethylbenzene	0.190		"	0.250		76.0							
p-Ethyltoluene	0.210		"	0.250		84.0							
p-Isopropyltoluene	0.210		"	0.250		84.0							
sec-Butylbenzene	0.220		"	0.250		88.0							
Styrene	0.220		"	0.250		88.0							
tert-Amyl alcohol (TAA)	0.00		"	1.25									
tert-Amyl methyl ether (TAME)	0.190		"	0.250		76.0							
tert-Butyl alcohol (TBA)	1.19		"	1.25		95.2							
tert-Butylbenzene	0.230		"	0.250		92.0							
Tetrachloroethylene	0.210		"	0.250		84.0							
Tetrahydrofuran	0.890		"	1.25		71.2							
Toluene	0.420		"	0.250		168							
trans-1,2-Dichloroethylene	0.240		"	0.250		96.0							
trans-1,3-Dichloropropylene	0.00		"	0.250									
trans-1,4-dichloro-2-butene	0.240		"	0.250		96.0							
Trichloroethylene	0.260		"	0.250		104							
Trichlorofluoromethane	0.240		"	0.250		96.0							
Vinyl acetate	0.200		"	0.250		80.0							
Vinyl Chloride	0.210		"	0.250		84.0							
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.72</i>		<i>"</i>	<i>10.0</i>		<i>97.2</i>							
<i>Surrogate: SURR: Toluene-d8</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</i>							
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>							



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit
<b>Batch S5J3003 - BJ51867</b>										
<b>8260 (S5J3003-CAL3)</b>										
Prepared & Analyzed: 10/29/2025										
1,1,1,2-Tetrachloroethane	0.470		ug/L	0.500		94.0				
1,1,1-Trichloroethane	0.450		"	0.500		90.0				
1,1,2,2-Tetrachloroethane	0.510		"	0.500		102				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.480		"	0.500		96.0				
1,1,2-Trichloroethane	0.510		"	0.500		102				
1,1-Dichloroethane	0.490		"	0.500		98.0				
1,1-Dichloroethylene	0.520		"	0.500		104				
1,1-Dichloropropylene	0.450		"	0.500		90.0				
1,2,3-Trichlorobenzene	0.510		"	0.500		102				
1,2,3-Trichloropropane	0.530		"	0.500		106				
1,2,4,5-Tetramethylbenzene	0.380		"	0.500		76.0				
1,2,4-Trichlorobenzene	0.490		"	0.500		98.0				
1,2,4-Trimethylbenzene	0.460		"	0.500		92.0				
1,2-Dibromo-3-chloropropane	0.340		"	0.500		68.0				
1,2-Dibromoethane	0.490		"	0.500		98.0				
1,2-Dichlorobenzene	0.520		"	0.500		104				
1,2-Dichloroethane	0.500		"	0.500		100				
1,2-Dichloropropane	0.550		"	0.500		110				
1,3,5-Trimethylbenzene	0.470		"	0.500		94.0				
1,3-Dichlorobenzene	0.500		"	0.500		100				
1,3-Dichloropropane	0.530		"	0.500		106				
1,4-Dichlorobenzene	0.490		"	0.500		98.0				
2,2-Dichloropropane	0.440		"	0.500		88.0				
2-Butanone	0.320		"	0.500		64.0				
2-Chlorotoluene	0.480		"	0.500		96.0				
2-Hexanone	0.400		"	0.500		80.0				
4-Chlorotoluene	0.490		"	0.500		98.0				
4-Methyl-2-pentanone	0.470		"	0.500		94.0				
Acetone	0.810		"	0.500		162				
Acrolein	2.01		"	2.00		100				
Acrylonitrile	2.02		"	2.50		80.8				
Benzene	0.480		"	0.500		96.0				
Bromobenzene	0.540		"	0.500		108				
Bromochloromethane	0.530		"	0.500		106				
Bromodichloromethane	0.490		"	0.500		98.0				
Bromoform	0.390		"	0.500		78.0				
Bromomethane	0.330		"	0.500		66.0				
Carbon disulfide	0.530		"	0.500		106				
Carbon tetrachloride	0.440		"	0.500		88.0				
Chlorobenzene	0.560		"	0.500		112				
Chloroethane	0.620		"	0.500		124				
Chloroform	0.490		"	0.500		98.0				
Chloromethane	0.420		"	0.500		84.0				
cis-1,2-Dichloroethylene	0.480		"	0.500		96.0				
cis-1,3-Dichloropropylene	0.440		"	0.500		88.0				
Cyclohexane	0.420		"	0.500		84.0				
Dibromochloromethane	0.450		"	0.500		90.0				
Dibromomethane	0.520		"	0.500		104				
Dichlorodifluoromethane	0.450		"	0.500		90.0				
Diisopropyl ether (DIPE)	0.440		"	0.500		88.0				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL3)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	0.530		ug/L	0.500			106						
Ethyl tert-butyl ether (ETBE)	0.420		"	0.500			84.0						
Hexachlorobutadiene	0.510		"	0.500			102						
Iodomethane	0.00		"	0.500									
Isopropylbenzene	0.460		"	0.500			92.0						
Methyl acetate	0.570		"	0.500			114						
Methyl Methacrylate	0.450		"	0.500			90.0						
Methyl tert-butyl ether (MTBE)	0.450		"	0.500			90.0						
Methylcyclohexane	0.480		"	0.500			96.0						
Methylene chloride	0.850		"	0.500			170						
Naphthalene	0.420		"	0.500			84.0						
n-Butylbenzene	0.470		"	0.500			94.0						
n-Propylbenzene	0.500		"	0.500			100						
o-Xylene	0.500		"	0.500			100						
p- & m- Xylenes	1.01		"	1.00			101						
p-Diethylbenzene	0.400		"	0.500			80.0						
p-Ethyltoluene	0.440		"	0.500			88.0						
p-Isopropyltoluene	0.430		"	0.500			86.0						
sec-Butylbenzene	0.450		"	0.500			90.0						
Styrene	0.430		"	0.500			86.0						
tert-Amyl alcohol (TAA)	2.01		"	2.50			80.4						
tert-Amyl methyl ether (TAME)	0.420		"	0.500			84.0						
tert-Butyl alcohol (TBA)	2.00		"	2.50			80.0						
tert-Butylbenzene	0.450		"	0.500			90.0						
Tetrachloroethylene	0.440		"	0.500			88.0						
Tetrahydrofuran	2.04		"	2.50			81.6						
Toluene	0.670		"	0.500			134						
trans-1,2-Dichloroethylene	0.500		"	0.500			100						
trans-1,3-Dichloropropylene	0.380		"	0.500			76.0						
trans-1,4-dichloro-2-butene	0.500		"	0.500			100						
Trichloroethylene	0.540		"	0.500			108						
Trichlorofluoromethane	0.480		"	0.500			96.0						
Vinyl acetate	0.420		"	0.500			84.0						
Vinyl Chloride	0.420		"	0.500			84.0						
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.63</i>		<i>"</i>	<i>10.0</i>			<i>96.3</i>						
<i>Surrogate: SURR: Toluene-d8</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>			<i>110</i>						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>			<i>104</i>						



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL4)**

Prepared & Analyzed: 10/29/2025

1,1,1,2-Tetrachloroethane	0.910		ug/L	1.00		91.0					
1,1,1-Trichloroethane	0.910		"	1.00		91.0					
1,1,2,2-Tetrachloroethane	1.01		"	1.00		101					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.06		"	1.00		106					
1,1,2-Trichloroethane	0.970		"	1.00		97.0					
1,1-Dichloroethane	1.00		"	1.00		100					
1,1-Dichloroethylene	1.03		"	1.00		103					
1,1-Dichloropropylene	0.930		"	1.00		93.0					
1,2,3-Trichlorobenzene	0.990		"	1.00		99.0					
1,2,3-Trichloropropane	0.970		"	1.00		97.0					
1,2,4,5-Tetramethylbenzene	0.730		"	1.00		73.0					
1,2,4-Trichlorobenzene	0.930		"	1.00		93.0					
1,2,4-Trimethylbenzene	0.930		"	1.00		93.0					
1,2-Dibromo-3-chloropropane	0.820		"	1.00		82.0					
1,2-Dibromoethane	0.960		"	1.00		96.0					
1,2-Dichlorobenzene	0.970		"	1.00		97.0					
1,2-Dichloroethane	0.950		"	1.00		95.0					
1,2-Dichloropropane	1.03		"	1.00		103					
1,3,5-Trimethylbenzene	0.920		"	1.00		92.0					
1,3-Dichlorobenzene	0.950		"	1.00		95.0					
1,3-Dichloropropane	1.02		"	1.00		102					
1,4-Dichlorobenzene	0.960		"	1.00		96.0					
2,2-Dichloropropane	0.890		"	1.00		89.0					
2-Butanone	0.820		"	1.00		82.0					
2-Chlorotoluene	0.940		"	1.00		94.0					
2-Hexanone	0.810		"	1.00		81.0					
4-Chlorotoluene	0.960		"	1.00		96.0					
4-Methyl-2-pentanone	0.800		"	1.00		80.0					
Acetone	1.16		"	1.00		116					
Acrolein	3.56		"	4.00		89.0					
Acrylonitrile	4.54		"	5.00		90.8					
Benzene	0.940		"	1.00		94.0					
Bromobenzene	0.980		"	1.00		98.0					
Bromochloromethane	1.02		"	1.00		102					
Bromodichloromethane	0.960		"	1.00		96.0					
Bromoform	0.780		"	1.00		78.0					
Bromomethane	0.610		"	1.00		61.0					
Carbon disulfide	1.11		"	1.00		111					
Carbon tetrachloride	0.900		"	1.00		90.0					
Chlorobenzene	1.04		"	1.00		104					
Chloroethane	1.15		"	1.00		115					
Chloroform	0.960		"	1.00		96.0					
Chloromethane	0.890		"	1.00		89.0					
cis-1,2-Dichloroethylene	0.940		"	1.00		94.0					
cis-1,3-Dichloropropylene	0.860		"	1.00		86.0					
Cyclohexane	1.05		"	1.00		105					
Dibromochloromethane	0.860		"	1.00		86.0					
Dibromomethane	0.960		"	1.00		96.0					
Dichlorodifluoromethane	0.990		"	1.00		99.0					
Diisopropyl ether (DIPE)	0.940		"	1.00		94.0					



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL4)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	1.01		ug/L	1.00				101					
Ethyl tert-butyl ether (ETBE)	0.910		"	1.00				91.0					
Hexachlorobutadiene	1.16		"	1.00				116					
Iodomethane	0.320		"	1.00				32.0					
Isopropylbenzene	0.950		"	1.00				95.0					
Methyl acetate	1.04		"	1.00				104					
Methyl Methacrylate	0.920		"	1.00				92.0					
Methyl tert-butyl ether (MTBE)	0.940		"	1.00				94.0					
Methylcyclohexane	1.05		"	1.00				105					
Methylene chloride	1.32		"	1.00				132					
Naphthalene	0.820		"	1.00				82.0					
n-Butylbenzene	0.930		"	1.00				93.0					
n-Propylbenzene	0.970		"	1.00				97.0					
o-Xylene	0.940		"	1.00				94.0					
p- & m- Xylenes	1.94		"	2.00				97.0					
p-Diethylbenzene	0.800		"	1.00				80.0					
p-Ethyltoluene	0.840		"	1.00				84.0					
p-Isopropyltoluene	0.890		"	1.00				89.0					
sec-Butylbenzene	0.920		"	1.00				92.0					
Styrene	0.910		"	1.00				91.0					
tert-Amyl alcohol (TAA)	4.21		"	5.00				84.2					
tert-Amyl methyl ether (TAME)	0.890		"	1.00				89.0					
tert-Butyl alcohol (TBA)	5.16		"	5.00				103					
tert-Butylbenzene	0.960		"	1.00				96.0					
Tetrachloroethylene	0.860		"	1.00				86.0					
Tetrahydrofuran	4.44		"	5.00				88.8					
Toluene	1.16		"	1.00				116					
trans-1,2-Dichloroethylene	0.950		"	1.00				95.0					
trans-1,3-Dichloropropylene	0.780		"	1.00				78.0					
trans-1,4-dichloro-2-butene	0.910		"	1.00				91.0					
Trichloroethylene	1.08		"	1.00				108					
Trichlorofluoromethane	0.970		"	1.00				97.0					
Vinyl acetate	0.770		"	1.00				77.0					
Vinyl Chloride	0.880		"	1.00				88.0					
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.84</i>		<i>"</i>	<i>10.0</i>				<i>98.4</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>				<i>108</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>				<i>105</i>					



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL5)**

Prepared & Analyzed: 10/29/2025

1,1,1,2-Tetrachloroethane	2.03		ug/L	2.00		102					
1,1,1-Trichloroethane	1.95		"	2.00		97.5					
1,1,2,2-Tetrachloroethane	2.08		"	2.00		104					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.01		"	2.00		100					
1,1,2-Trichloroethane	2.17		"	2.00		108					
1,1-Dichloroethane	2.10		"	2.00		105					
1,1-Dichloroethylene	2.11		"	2.00		106					
1,1-Dichloropropylene	1.93		"	2.00		96.5					
1,2,3-Trichlorobenzene	2.10		"	2.00		105					
1,2,3-Trichloropropane	2.00		"	2.00		100					
1,2,4,5-Tetramethylbenzene	1.69		"	2.00		84.5					
1,2,4-Trichlorobenzene	2.03		"	2.00		102					
1,2,4-Trimethylbenzene	1.95		"	2.00		97.5					
1,2-Dibromo-3-chloropropane	1.89		"	2.00		94.5					
1,2-Dibromoethane	2.10		"	2.00		105					
1,2-Dichlorobenzene	2.03		"	2.00		102					
1,2-Dichloroethane	2.01		"	2.00		100					
1,2-Dichloropropane	2.23		"	2.00		112					
1,3,5-Trimethylbenzene	1.93		"	2.00		96.5					
1,3-Dichlorobenzene	1.98		"	2.00		99.0					
1,3-Dichloropropane	2.24		"	2.00		112					
1,4-Dichlorobenzene	2.03		"	2.00		102					
2,2-Dichloropropane	1.86		"	2.00		93.0					
2-Butanone	1.85		"	2.00		92.5					
2-Chlorotoluene	1.94		"	2.00		97.0					
2-Hexanone	1.86		"	2.00		93.0					
4-Chlorotoluene	1.96		"	2.00		98.0					
4-Methyl-2-pentanone	1.89		"	2.00		94.5					
Acetone	2.17		"	2.00		108					
Acrolein	8.02		"	8.00		100					
Acrylonitrile	9.35		"	10.0		93.5					
Benzene	1.99		"	2.00		99.5					
Bromobenzene	2.08		"	2.00		104					
Bromochloromethane	2.14		"	2.00		107					
Bromodichloromethane	2.05		"	2.00		102					
Bromoform	1.85		"	2.00		92.5					
Bromomethane	1.35		"	2.00		67.5					
Carbon disulfide	2.02		"	2.00		101					
Carbon tetrachloride	1.80		"	2.00		90.0					
Chlorobenzene	2.19		"	2.00		110					
Chloroethane	2.20		"	2.00		110					
Chloroform	2.02		"	2.00		101					
Chloromethane	1.98		"	2.00		99.0					
cis-1,2-Dichloroethylene	2.00		"	2.00		100					
cis-1,3-Dichloropropylene	1.93		"	2.00		96.5					
Cyclohexane	1.87		"	2.00		93.5					
Dibromochloromethane	1.97		"	2.00		98.5					
Dibromomethane	2.15		"	2.00		108					
Dichlorodifluoromethane	2.14		"	2.00		107					
Diisopropyl ether (DIPE)	1.81		"	2.00		90.5					



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL5)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	2.10		ug/L	2.00		105					
Ethyl tert-butyl ether (ETBE)	1.81		"	2.00		90.5					
Hexachlorobutadiene	2.05		"	2.00		102					
Iodomethane	0.800		"	2.00		40.0					
Isopropylbenzene	1.99		"	2.00		99.5					
Methyl acetate	2.17		"	2.00		108					
Methyl Methacrylate	1.97		"	2.00		98.5					
Methyl tert-butyl ether (MTBE)	1.86		"	2.00		93.0					
Methylcyclohexane	1.97		"	2.00		98.5					
Methylene chloride	2.40		"	2.00		120					
Naphthalene	1.86		"	2.00		93.0					
n-Butylbenzene	1.90		"	2.00		95.0					
n-Propylbenzene	2.00		"	2.00		100					
o-Xylene	2.03		"	2.00		102					
p- & m- Xylenes	4.10		"	4.00		102					
p-Diethylbenzene	1.70		"	2.00		85.0					
p-Ethyltoluene	1.80		"	2.00		90.0					
p-Isopropyltoluene	1.89		"	2.00		94.5					
sec-Butylbenzene	1.92		"	2.00		96.0					
Styrene	1.99		"	2.00		99.5					
tert-Amyl alcohol (TAA)	9.55		"	10.0		95.5					
tert-Amyl methyl ether (TAME)	1.78		"	2.00		89.0					
tert-Butyl alcohol (TBA)	9.18		"	10.0		91.8					
tert-Butylbenzene	1.96		"	2.00		98.0					
Tetrachloroethylene	1.92		"	2.00		96.0					
Tetrahydrofuran	9.29		"	10.0		92.9					
Toluene	2.26		"	2.00		113					
trans-1,2-Dichloroethylene	2.00		"	2.00		100					
trans-1,3-Dichloropropylene	1.83		"	2.00		91.5					
trans-1,4-dichloro-2-butene	1.88		"	2.00		94.0					
Trichloroethylene	2.17		"	2.00		108					
Trichlorofluoromethane	1.99		"	2.00		99.5					
Vinyl acetate	1.92		"	2.00		96.0					
Vinyl Chloride	1.90		"	2.00		95.0					
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.1		"	10.0		101					
Surrogate: SURRE: Toluene-d8	10.9		"	10.0		109					
Surrogate: SURRE: p-Bromofluorobenzene	10.3		"	10.0		103					



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL6)**

Prepared & Analyzed: 10/29/2025

1,1,1,2-Tetrachloroethane	4.15		ug/L	4.00		104				
1,1,1-Trichloroethane	4.05		"	4.00		101				
1,1,2,2-Tetrachloroethane	4.10		"	4.00		102				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.18		"	4.00		104				
1,1,2-Trichloroethane	4.27		"	4.00		107				
1,1-Dichloroethane	4.11		"	4.00		103				
1,1-Dichloroethylene	4.31		"	4.00		108				
1,1-Dichloropropylene	3.98		"	4.00		99.5				
1,2,3-Trichlorobenzene	4.08		"	4.00		102				
1,2,3-Trichloropropane	4.04		"	4.00		101				
1,2,4,5-Tetramethylbenzene	3.79		"	4.00		94.8				
1,2,4-Trichlorobenzene	4.12		"	4.00		103				
1,2,4-Trimethylbenzene	4.09		"	4.00		102				
1,2-Dibromo-3-chloropropane	3.70		"	4.00		92.5				
1,2-Dibromoethane	4.19		"	4.00		105				
1,2-Dichlorobenzene	4.07		"	4.00		102				
1,2-Dichloroethane	3.96		"	4.00		99.0				
1,2-Dichloropropane	4.55		"	4.00		114				
1,3,5-Trimethylbenzene	4.09		"	4.00		102				
1,3-Dichlorobenzene	4.07		"	4.00		102				
1,3-Dichloropropane	4.36		"	4.00		109				
1,4-Dichlorobenzene	4.07		"	4.00		102				
2,2-Dichloropropane	3.98		"	4.00		99.5				
2-Butanone	3.58		"	4.00		89.5				
2-Chlorotoluene	4.07		"	4.00		102				
2-Hexanone	3.89		"	4.00		97.2				
4-Chlorotoluene	4.11		"	4.00		103				
4-Methyl-2-pentanone	3.91		"	4.00		97.8				
Acetone	3.97		"	4.00		99.2				
Acrolein	15.0		"	16.0		93.9				
Acrylonitrile	18.6		"	20.0		92.9				
Benzene	4.02		"	4.00		100				
Bromobenzene	4.28		"	4.00		107				
Bromochloromethane	4.20		"	4.00		105				
Bromodichloromethane	4.22		"	4.00		106				
Bromoform	3.68		"	4.00		92.0				
Bromomethane	3.46		"	4.00		86.5				
Carbon disulfide	4.15		"	4.00		104				
Carbon tetrachloride	3.96		"	4.00		99.0				
Chlorobenzene	4.40		"	4.00		110				
Chloroethane	4.24		"	4.00		106				
Chloroform	4.02		"	4.00		100				
Chloromethane	3.84		"	4.00		96.0				
cis-1,2-Dichloroethylene	4.04		"	4.00		101				
cis-1,3-Dichloropropylene	4.08		"	4.00		102				
Cyclohexane	3.96		"	4.00		99.0				
Dibromochloromethane	4.06		"	4.00		102				
Dibromomethane	4.27		"	4.00		107				
Dichlorodifluoromethane	3.83		"	4.00		95.8				
Diisopropyl ether (DIPE)	3.79		"	4.00		94.8				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL6)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	4.29		ug/L	4.00		107					
Ethyl tert-butyl ether (ETBE)	3.75		"	4.00		93.8					
Hexachlorobutadiene	4.31		"	4.00		108					
Iodomethane	2.52		"	4.00		63.0					
Isopropylbenzene	4.19		"	4.00		105					
Methyl acetate	3.99		"	4.00		99.8					
Methyl Methacrylate	3.97		"	4.00		99.2					
Methyl tert-butyl ether (MTBE)	3.76		"	4.00		94.0					
Methylcyclohexane	4.34		"	4.00		108					
Methylene chloride	4.43		"	4.00		111					
Naphthalene	3.82		"	4.00		95.5					
n-Butylbenzene	4.04		"	4.00		101					
n-Propylbenzene	4.18		"	4.00		104					
o-Xylene	4.14		"	4.00		104					
p- & m- Xylenes	8.35		"	8.00		104					
p-Diethylbenzene	3.88		"	4.00		97.0					
p-Ethyltoluene	3.93		"	4.00		98.2					
p-Isopropyltoluene	4.01		"	4.00		100					
sec-Butylbenzene	4.06		"	4.00		102					
Styrene	4.11		"	4.00		103					
tert-Amyl alcohol (TAA)	17.0		"	20.0		85.0					
tert-Amyl methyl ether (TAME)	3.67		"	4.00		91.8					
tert-Butyl alcohol (TBA)	18.1		"	20.0		90.3					
tert-Butylbenzene	4.15		"	4.00		104					
Tetrachloroethylene	4.15		"	4.00		104					
Tetrahydrofuran	17.8		"	20.0		89.1					
Toluene	4.48		"	4.00		112					
trans-1,2-Dichloroethylene	4.10		"	4.00		102					
trans-1,3-Dichloropropylene	3.89		"	4.00		97.2					
trans-1,4-dichloro-2-butene	3.80		"	4.00		95.0					
Trichloroethylene	4.45		"	4.00		111					
Trichlorofluoromethane	4.12		"	4.00		103					
Vinyl acetate	4.00		"	4.00		100					
Vinyl Chloride	3.85		"	4.00		96.2					
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.55</i>		<i>"</i>	<i>10.0</i>		<i>95.5</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>					



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL7)**

Prepared & Analyzed: 10/29/2025

1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100				
1,1,1-Trichloroethane	10.0		"	10.0		100				
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99		"	10.0		99.9				
1,1,2-Trichloroethane	10.0		"	10.0		100				
1,1-Dichloroethane	10.0		"	10.0		100				
1,1-Dichloroethylene	10.0		"	10.0		100				
1,1-Dichloropropylene	10.0		"	10.0		100				
1,2,3-Trichlorobenzene	10.0		"	10.0		100				
1,2,3-Trichloropropane	10.0		"	10.0		100				
1,2,4,5-Tetramethylbenzene	10.0		"	10.0		100				
1,2,4-Trichlorobenzene	10.0		"	10.0		100				
1,2,4-Trimethylbenzene	10.0		"	10.0		100				
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100				
1,2-Dibromoethane	10.0		"	10.0		100				
1,2-Dichlorobenzene	10.0		"	10.0		100				
1,2-Dichloroethane	10.0		"	10.0		100				
1,2-Dichloropropane	10.0		"	10.0		100				
1,3,5-Trimethylbenzene	10.0		"	10.0		100				
1,3-Dichlorobenzene	10.0		"	10.0		100				
1,3-Dichloropropane	10.0		"	10.0		100				
1,4-Dichlorobenzene	10.0		"	10.0		100				
2,2-Dichloropropane	10.0		"	10.0		100				
2-Butanone	10.0		"	10.0		100				
2-Chlorotoluene	10.0		"	10.0		100				
2-Hexanone	10.0		"	10.0		100				
4-Chlorotoluene	10.0		"	10.0		100				
4-Methyl-2-pentanone	10.0		"	10.0		100				
Acetone	10.0		"	10.0		100				
Acrolein	40.0		"	40.0		100				
Acrylonitrile	50.0		"	50.0		99.9				
Benzene	9.99		"	10.0		99.9				
Bromobenzene	10.0		"	10.0		100				
Bromochloromethane	10.0		"	10.0		100				
Bromodichloromethane	9.98		"	10.0		99.8				
Bromoform	10.0		"	10.0		100				
Bromomethane	10.0		"	10.0		100				
Carbon disulfide	10.0		"	10.0		100				
Carbon tetrachloride	10.0		"	10.0		100				
Chlorobenzene	10.0		"	10.0		100				
Chloroethane	10.0		"	10.0		100				
Chloroform	10.0		"	10.0		100				
Chloromethane	10.0		"	10.0		100				
cis-1,2-Dichloroethylene	10.0		"	10.0		100				
cis-1,3-Dichloropropylene	10.0		"	10.0		100				
Cyclohexane	10.0		"	10.0		100				
Dibromochloromethane	10.0		"	10.0		100				
Dibromomethane	10.0		"	10.0		100				
Dichlorodifluoromethane	10.0		"	10.0		100				
Diisopropyl ether (DIPE)	9.99		"	10.0		99.9				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL7)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	10.0		ug/L	10.0		100							
Ethyl tert-butyl ether (ETBE)	10.0		"	10.0		100							
Hexachlorobutadiene	10.0		"	10.0		100							
Iodomethane	10.0		"	10.0		100							
Isopropylbenzene	10.0		"	10.0		100							
Methyl acetate	10.0		"	10.0		100							
Methyl Methacrylate	10.0		"	10.0		100							
Methyl tert-butyl ether (MTBE)	9.99		"	10.0		99.9							
Methylcyclohexane	9.99		"	10.0		99.9							
Methylene chloride	10.0		"	10.0		100							
Naphthalene	10.0		"	10.0		100							
n-Butylbenzene	10.0		"	10.0		100							
n-Propylbenzene	10.0		"	10.0		100							
o-Xylene	10.0		"	10.0		100							
p- & m- Xylenes	20.0		"	20.0		100							
p-Diethylbenzene	10.0		"	10.0		100							
p-Ethyltoluene	10.0		"	10.0		100							
p-Isopropyltoluene	10.0		"	10.0		100							
sec-Butylbenzene	10.0		"	10.0		100							
Styrene	10.0		"	10.0		100							
tert-Amyl alcohol (TAA)	49.1		"	50.0		98.3							
tert-Amyl methyl ether (TAME)	10.0		"	10.0		100							
tert-Butyl alcohol (TBA)	50.0		"	50.0		100							
tert-Butylbenzene	10.0		"	10.0		100							
Tetrachloroethylene	10.0		"	10.0		100							
Tetrahydrofuran	50.0		"	50.0		100							
Toluene	10.0		"	10.0		100							
trans-1,2-Dichloroethylene	9.99		"	10.0		99.9							
trans-1,3-Dichloropropylene	10.0		"	10.0		100							
trans-1,4-dichloro-2-butene	10.0		"	10.0		100							
Trichloroethylene	10.0		"	10.0		100							
Trichlorofluoromethane	9.99		"	10.0		99.9							
Vinyl acetate	10.0		"	10.0		100							
Vinyl Chloride	10.0		"	10.0		100							
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.0		"	10.0		100							
Surrogate: SURRE: Toluene-d8	10.0		"	10.0		100							
Surrogate: SURRE: p-Bromofluorobenzene	10.0		"	10.0		100							



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL8)**

Prepared & Analyzed: 10/29/2025

1,1,1,2-Tetrachloroethane	20.4		ug/L	20.0		102					
1,1,1-Trichloroethane	21.6		"	20.0		108					
1,1,2,2-Tetrachloroethane	20.0		"	20.0		100					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	19.9		"	20.0		99.6					
1,1,2-Trichloroethane	18.9		"	20.0		94.6					
1,1-Dichloroethane	20.7		"	20.0		104					
1,1-Dichloroethylene	21.0		"	20.0		105					
1,1-Dichloropropylene	20.7		"	20.0		104					
1,2,3-Trichlorobenzene	20.2		"	20.0		101					
1,2,3-Trichloropropane	19.5		"	20.0		97.4					
1,2,4,5-Tetramethylbenzene	21.2		"	20.0		106					
1,2,4-Trichlorobenzene	20.9		"	20.0		104					
1,2,4-Trimethylbenzene	21.6		"	20.0		108					
1,2-Dibromo-3-chloropropane	21.2		"	20.0		106					
1,2-Dibromoethane	19.2		"	20.0		95.8					
1,2-Dichlorobenzene	21.1		"	20.0		106					
1,2-Dichloroethane	21.2		"	20.0		106					
1,2-Dichloropropane	19.9		"	20.0		99.4					
1,3,5-Trimethylbenzene	21.4		"	20.0		107					
1,3-Dichlorobenzene	21.9		"	20.0		110					
1,3-Dichloropropane	18.9		"	20.0		94.6					
1,4-Dichlorobenzene	21.0		"	20.0		105					
2,2-Dichloropropane	21.8		"	20.0		109					
2-Butanone	21.1		"	20.0		105					
2-Chlorotoluene	21.8		"	20.0		109					
2-Hexanone	18.5		"	20.0		92.6					
4-Chlorotoluene	21.5		"	20.0		107					
4-Methyl-2-pentanone	18.9		"	20.0		94.4					
Acetone	19.2		"	20.0		96.0					
Acrolein	85.7		"	80.0		107					
Acrylonitrile	98.0		"	100		98.0					
Benzene	21.0		"	20.0		105					
Bromobenzene	21.2		"	20.0		106					
Bromochloromethane	20.4		"	20.0		102					
Bromodichloromethane	19.6		"	20.0		98.2					
Bromoform	20.3		"	20.0		101					
Bromomethane	28.0		"	20.0		140					
Carbon disulfide	19.8		"	20.0		99.0					
Carbon tetrachloride	21.4		"	20.0		107					
Chlorobenzene	19.7		"	20.0		98.5					
Chloroethane	19.9		"	20.0		99.6					
Chloroform	21.1		"	20.0		106					
Chloromethane	19.4		"	20.0		97.0					
cis-1,2-Dichloroethylene	21.3		"	20.0		106					
cis-1,3-Dichloropropylene	19.9		"	20.0		99.7					
Cyclohexane	21.6		"	20.0		108					
Dibromochloromethane	19.8		"	20.0		98.8					
Dibromomethane	19.0		"	20.0		95.2					
Dichlorodifluoromethane	17.8		"	20.0		88.9					
Diisopropyl ether (DIPE)	20.2		"	20.0		101					



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL8)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	20.4		ug/L	20.0		102					
Ethyl tert-butyl ether (ETBE)	20.2		"	20.0		101					
Hexachlorobutadiene	21.5		"	20.0		107					
Iodomethane	25.4		"	20.0		127					
Isopropylbenzene	21.2		"	20.0		106					
Methyl acetate	19.7		"	20.0		98.5					
Methyl Methacrylate	18.4		"	20.0		91.8					
Methyl tert-butyl ether (MTBE)	19.7		"	20.0		98.6					
Methylcyclohexane	18.7		"	20.0		93.6					
Methylene chloride	20.3		"	20.0		101					
Naphthalene	20.5		"	20.0		103					
n-Butylbenzene	21.8		"	20.0		109					
n-Propylbenzene	21.1		"	20.0		105					
o-Xylene	20.6		"	20.0		103					
p- & m- Xylenes	41.6		"	40.0		104					
p-Diethylbenzene	21.6		"	20.0		108					
p-Ethyltoluene	21.4		"	20.0		107					
p-Isopropyltoluene	22.1		"	20.0		111					
sec-Butylbenzene	21.4		"	20.0		107					
Styrene	20.9		"	20.0		105					
tert-Amyl alcohol (TAA)	104		"	100		104					
tert-Amyl methyl ether (TAME)	20.6		"	20.0		103					
tert-Butyl alcohol (TBA)	99.6		"	100		99.6					
tert-Butylbenzene	21.2		"	20.0		106					
Tetrachloroethylene	19.8		"	20.0		99.2					
Tetrahydrofuran	98.3		"	100		98.3					
Toluene	19.6		"	20.0		98.1					
trans-1,2-Dichloroethylene	21.4		"	20.0		107					
trans-1,3-Dichloropropylene	20.4		"	20.0		102					
trans-1,4-dichloro-2-butene	20.6		"	20.0		103					
Trichloroethylene	19.6		"	20.0		98.0					
Trichlorofluoromethane	20.4		"	20.0		102					
Vinyl acetate	19.6		"	20.0		98.0					
Vinyl Chloride	20.0		"	20.0		100					
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.80</i>		<i>"</i>	<i>10.0</i>		<i>98.0</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.14</i>		<i>"</i>	<i>10.0</i>		<i>91.4</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.70</i>		<i>"</i>	<i>10.0</i>		<i>97.0</i>					



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL9)**

Prepared & Analyzed: 10/29/2025

1,1,1,2-Tetrachloroethane	38.0		ug/L	40.0		95.1				
1,1,1-Trichloroethane	45.2		"	40.0		113				
1,1,2,2-Tetrachloroethane	40.9		"	40.0		102				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	40.3		"	40.0		101				
1,1,2-Trichloroethane	32.8		"	40.0		82.0				
1,1-Dichloroethane	44.2		"	40.0		111				
1,1-Dichloroethylene	41.0		"	40.0		102				
1,1-Dichloropropylene	43.8		"	40.0		109				
1,2,3-Trichlorobenzene	41.7		"	40.0		104				
1,2,3-Trichloropropane	39.4		"	40.0		98.6				
1,2,4,5-Tetramethylbenzene	45.3		"	40.0		113				
1,2,4-Trichlorobenzene	42.7		"	40.0		107				
1,2,4-Trimethylbenzene	45.2		"	40.0		113				
1,2-Dibromo-3-chloropropane	43.6		"	40.0		109				
1,2-Dibromoethane	33.4		"	40.0		83.4				
1,2-Dichlorobenzene	43.1		"	40.0		108				
1,2-Dichloroethane	43.7		"	40.0		109				
1,2-Dichloropropane	37.8		"	40.0		94.5				
1,3,5-Trimethylbenzene	43.6		"	40.0		109				
1,3-Dichlorobenzene	48.4		"	40.0		121				
1,3-Dichloropropane	32.4		"	40.0		81.0				
1,4-Dichlorobenzene	43.4		"	40.0		108				
2,2-Dichloropropane	48.1		"	40.0		120				
2-Butanone	41.2		"	40.0		103				
2-Chlorotoluene	47.8		"	40.0		120				
2-Hexanone	30.8		"	40.0		77.1				
4-Chlorotoluene	43.7		"	40.0		109				
4-Methyl-2-pentanone	33.2		"	40.0		83.1				
Acetone	28.7		"	40.0		71.7				
Acrolein	170		"	160		106				
Acrylonitrile	224		"	200		112				
Benzene	43.6		"	40.0		109				
Bromobenzene	44.1		"	40.0		110				
Bromochloromethane	42.9		"	40.0		107				
Bromodichloromethane	34.9		"	40.0		87.2				
Bromoform	37.5		"	40.0		93.7				
Bromomethane	86.9		"	40.0		217				
Carbon disulfide	39.6		"	40.0		99.0				
Carbon tetrachloride	45.6		"	40.0		114				
Chlorobenzene	34.8		"	40.0		87.1				
Chloroethane	39.2		"	40.0		98.1				
Chloroform	44.0		"	40.0		110				
Chloromethane	37.7		"	40.0		94.2				
cis-1,2-Dichloroethylene	46.2		"	40.0		116				
cis-1,3-Dichloropropylene	35.8		"	40.0		89.5				
Cyclohexane	46.3		"	40.0		116				
Dibromochloromethane	35.0		"	40.0		87.4				
Dibromomethane	34.0		"	40.0		85.1				
Dichlorodifluoromethane	35.5		"	40.0		88.8				
Diisopropyl ether (DIPE)	45.2		"	40.0		113				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CAL9)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	37.6		ug/L	40.0		94.0					
Ethyl tert-butyl ether (ETBE)	45.4		"	40.0		113					
Hexachlorobutadiene	43.4		"	40.0		108					
Iodomethane	64.9		"	40.0		162					
Isopropylbenzene	44.4		"	40.0		111					
Methyl acetate	38.5		"	40.0		96.2					
Methyl Methacrylate	34.0		"	40.0		85.0					
Methyl tert-butyl ether (MTBE)	44.3		"	40.0		111					
Methylcyclohexane	35.1		"	40.0		87.7					
Methylene chloride	39.3		"	40.0		98.2					
Naphthalene	41.4		"	40.0		104					
n-Butylbenzene	45.8		"	40.0		115					
n-Propylbenzene	43.5		"	40.0		109					
o-Xylene	38.7		"	40.0		96.7					
p- & m- Xylenes	79.0		"	80.0		98.7					
p-Diethylbenzene	46.7		"	40.0		117					
p-Ethyltoluene	47.0		"	40.0		117					
p-Isopropyltoluene	49.0		"	40.0		122					
sec-Butylbenzene	44.3		"	40.0		111					
Styrene	39.5		"	40.0		98.7					
tert-Amyl alcohol (TAA)	244		"	200		122					
tert-Amyl methyl ether (TAME)	44.8		"	40.0		112					
tert-Butyl alcohol (TBA)	198		"	200		99.2					
tert-Butylbenzene	44.6		"	40.0		111					
Tetrachloroethylene	38.1		"	40.0		95.2					
Tetrahydrofuran	215		"	200		107					
Toluene	35.1		"	40.0		87.8					
trans-1,2-Dichloroethylene	47.3		"	40.0		118					
trans-1,3-Dichloropropylene	36.9		"	40.0		92.3					
trans-1,4-dichloro-2-butene	44.0		"	40.0		110					
Trichloroethylene	35.7		"	40.0		89.2					
Trichlorofluoromethane	39.8		"	40.0		99.4					
Vinyl acetate	39.4		"	40.0		98.5					
Vinyl Chloride	40.0		"	40.0		99.9					
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.85</i>		<i>"</i>	<i>10.0</i>		<i>98.5</i>					
<i>Surrogate: SURR: Toluene-d8</i>	<i>7.69</i>		<i>"</i>	<i>10.0</i>		<i>76.9</i>					
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.36</i>		<i>"</i>	<i>10.0</i>		<i>93.6</i>					



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CALA)**

Prepared & Analyzed: 10/29/2025

1,1,1,2-Tetrachloroethane	72.8		ug/L	80.0		91.1				
1,1,1-Trichloroethane	99.3		"	80.0		124				
1,1,2,2-Tetrachloroethane	86.7		"	80.0		108				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	84.8		"	80.0		106				
1,1,2-Trichloroethane	51.7		"	80.0		64.7				
1,1-Dichloroethane	105		"	80.0		131				
1,1-Dichloroethylene	83.2		"	80.0		104				
1,1-Dichloropropylene	104		"	80.0		129				
1,2,3-Trichlorobenzene	84.1		"	80.0		105				
1,2,3-Trichloropropane	77.6		"	80.0		97.0				
1,2,4,5-Tetramethylbenzene	96.0		"	80.0		120				
1,2,4-Trichlorobenzene	88.2		"	80.0		110				
1,2,4-Trimethylbenzene	96.6		"	80.0		121				
1,2-Dibromo-3-chloropropane	87.0		"	80.0		109				
1,2-Dibromoethane	51.6		"	80.0		64.5				
1,2-Dichlorobenzene	94.1		"	80.0		118				
1,2-Dichloroethane	94.9		"	80.0		119				
1,2-Dichloropropane	65.0		"	80.0		81.3				
1,3,5-Trimethylbenzene	97.4		"	80.0		122				
1,3-Dichlorobenzene	118		"	80.0		147				
1,3-Dichloropropane	52.2		"	80.0		65.3				
1,4-Dichlorobenzene	94.5		"	80.0		118				
2,2-Dichloropropane	112		"	80.0		140				
2-Butanone	94.8		"	80.0		118				
2-Chlorotoluene	112		"	80.0		141				
2-Hexanone	48.0		"	80.0		60.0				
4-Chlorotoluene	93.4		"	80.0		117				
4-Methyl-2-pentanone	51.4		"	80.0		64.3				
Acetone	55.4		"	80.0		69.2				
Acrolein	340		"	320		106				
Acrylonitrile	549		"	400		137				
Benzene	95.6		"	80.0		119				
Bromobenzene	96.9		"	80.0		121				
Bromochloromethane	90.6		"	80.0		113				
Bromodichloromethane	56.0		"	80.0		70.0				
Bromoform	61.3		"	80.0		76.7				
Bromomethane	240		"	80.0		300				
Carbon disulfide	77.5		"	80.0		96.9				
Carbon tetrachloride	109		"	80.0		136				
Chlorobenzene	57.6		"	80.0		72.0				
Chloroethane	77.2		"	80.0		96.6				
Chloroform	95.5		"	80.0		119				
Chloromethane	93.1		"	80.0		116				
cis-1,2-Dichloroethylene	105		"	80.0		132				
cis-1,3-Dichloropropylene	57.9		"	80.0		72.4				
Cyclohexane	102		"	80.0		128				
Dibromochloromethane	55.8		"	80.0		69.8				
Dibromomethane	55.1		"	80.0		68.9				
Dichlorodifluoromethane	76.8		"	80.0		96.0				
Diisopropyl ether (DIPE)	106		"	80.0		133				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-CALA)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	66.1		ug/L	80.0		82.7					
Ethyl tert-butyl ether (ETBE)	103		"	80.0		128					
Hexachlorobutadiene	92.4		"	80.0		116					
Iodomethane	132		"	80.0		164					
Isopropylbenzene	91.5		"	80.0		114					
Methyl acetate	75.9		"	80.0		94.9					
Methyl Methacrylate	54.7		"	80.0		68.4					
Methyl tert-butyl ether (MTBE)	107		"	80.0		134					
Methylcyclohexane	60.9		"	80.0		76.1					
Methylene chloride	75.9		"	80.0		94.9					
Naphthalene	81.8		"	80.0		102					
n-Butylbenzene	102		"	80.0		127					
n-Propylbenzene	88.6		"	80.0		111					
o-Xylene	70.1		"	80.0		87.6					
p- & m- Xylenes	126		"	160		78.6					
p-Diethylbenzene	109		"	80.0		136					
p-Ethyltoluene	106		"	80.0		133					
p-Isopropyltoluene	115		"	80.0		143					
sec-Butylbenzene	93.3		"	80.0		117					
Styrene	71.0		"	80.0		88.7					
tert-Amyl alcohol (TAA)	583		"	400		146					
tert-Amyl methyl ether (TAME)	98.3		"	80.0		123					
tert-Butyl alcohol (TBA)	439		"	400		110					
tert-Butylbenzene	95.4		"	80.0		119					
Tetrachloroethylene	73.2		"	80.0		91.6					
Tetrahydrofuran	468		"	400		117					
Toluene	57.4		"	80.0		71.7					
trans-1,2-Dichloroethylene	117		"	80.0		146					
trans-1,3-Dichloropropylene	60.0		"	80.0		75.0					
trans-1,4-dichloro-2-butene	91.9		"	80.0		115					
Trichloroethylene	61.8		"	80.0		77.2					
Trichlorofluoromethane	81.0		"	80.0		101					
Vinyl acetate	91.0		"	80.0		114					
Vinyl Chloride	88.9		"	80.0		111					
<i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i>	<i>9.99</i>		<i>"</i>	<i>10.0</i>		<i>99.9</i>					
<i>Surrogate: SURRE: Toluene-d8</i>	<i>5.68</i>		<i>"</i>	<i>10.0</i>		<i>56.8</i>					
<i>Surrogate: SURRE: p-Bromofluorobenzene</i>	<i>8.71</i>		<i>"</i>	<i>10.0</i>		<i>87.1</i>					



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
<b>Batch S5J3003 - BJ51867</b>										
<b>8260 (S5J3003-SCV1)</b>										
Prepared & Analyzed: 10/29/2025										
1,1,1,2-Tetrachloroethane	11.8		ug/L	10.0		118	70-130			
1,1,1-Trichloroethane	10.8		"	10.0		108	70-130			
1,1,2,2-Tetrachloroethane	9.84		"	10.0		98.4	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.97		"	10.0		99.7	70-130			
1,1,2-Trichloroethane	12.1		"	10.0		121	70-130			
1,1-Dichloroethane	10.0		"	10.0		100	70-130			
1,1-Dichloroethylene	9.82		"	10.0		98.2	70-130			
1,1-Dichloropropylene	9.52		"	10.0		95.2	70-130			
1,2,3-Trichlorobenzene	10.1		"	10.0		101	70-130			
1,2,3-Trichloropropane	10.8		"	10.0		108	70-130			
1,2,4,5-Tetramethylbenzene	11.3		"	10.0		113	70-130			
1,2,4-Trichlorobenzene	10.5		"	10.0		105	70-130			
1,2,4-Trimethylbenzene	10.9		"	10.0		109	70-130			
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	70-130			
1,2-Dibromoethane	12.3		"	10.0		123	70-130			
1,2-Dichlorobenzene	10.3		"	10.0		103	70-130			
1,2-Dichloroethane	10.1		"	10.0		101	70-130			
1,2-Dichloropropane	11.2		"	10.0		112	70-130			
1,3,5-Trimethylbenzene	10.9		"	10.0		109	70-130			
1,3-Dichlorobenzene	10.0		"	10.0		100	70-130			
1,3-Dichloropropane	11.7		"	10.0		117	70-130			
1,4-Dichlorobenzene	10.4		"	10.0		104	70-130			
2,2-Dichloropropane	9.37		"	10.0		93.7	70-130			
2-Butanone	10.9		"	10.0		109	70-130			
2-Chlorotoluene	10.2		"	10.0		102	70-130			
2-Hexanone	13.5		"	10.0		135	70-130	High Bias		
4-Chlorotoluene	10.7		"	10.0		107	70-130			
4-Methyl-2-pentanone	12.8		"	10.0		128	70-130			
Acetone	11.2		"	10.0		112	70-130			
Acrolein	33.8		"	40.0		84.6	70-130			
Acrylonitrile	11.4		"	10.0		114	70-130			
Benzene	10.5		"	10.0		105	70-130			
Bromobenzene	9.98		"	10.0		99.8	70-130			
Bromochloromethane	10.5		"	10.0		105	70-130			
Bromodichloromethane	11.7		"	10.0		117	70-130			
Bromoform	13.0		"	10.0		130	70-130			
Bromomethane	14.9		"	9.98		149	70-130	High Bias		
Carbon disulfide	9.02		"	10.0		90.2	70-130			
Carbon tetrachloride	10.5		"	10.0		105	70-130			
Chlorobenzene	11.7		"	10.0		117	70-130			
Chloroethane	13.8		"	10.0		138	70-130	High Bias		
Chloroform	10.0		"	10.0		100	70-130			
Chloromethane	12.0		"	10.0		120	70-130			
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130			
cis-1,3-Dichloropropylene	12.6		"	10.0		126	70-130			
Cyclohexane	10.3		"	10.0		103	70-130			
Dibromochloromethane	12.6		"	10.0		126	70-130			
Dibromomethane	11.7		"	10.0		117	70-130			
Dichlorodifluoromethane	12.6		"	10.0		126	70-130			
Diisopropyl ether (DIPE)	10.4		"	10.0		104	70-130			



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5J3003 - BJ51867**

**8260 (S5J3003-SCV1)**

Prepared & Analyzed: 10/29/2025

Ethyl Benzene	11.9		ug/L	10.0		119	70-130				
Ethyl tert-butyl ether (ETBE)	10.3		"	10.0		103	70-130				
Hexachlorobutadiene	11.2		"	10.0		112	70-130				
Iodomethane	6.14		"	10.0		61.4	70-130	Low Bias			
Isopropylbenzene	10.6		"	10.0		106	70-130				
Methyl acetate	9.23		"	10.0		92.3	70-130				
Methyl Methacrylate	12.5		"	10.0		125	70-130				
Methyl tert-butyl ether (MTBE)	9.81		"	10.0		98.1	70-130				
Methylcyclohexane	11.4		"	10.0		114	70-130				
Methylene chloride	9.83		"	10.0		98.3	70-130				
Naphthalene	11.0		"	10.0		110	70-130				
n-Butylbenzene	10.4		"	10.0		104	70-130				
n-Propylbenzene	10.4		"	10.0		104	70-130				
o-Xylene	12.2		"	10.0		122	70-130				
p- & m- Xylenes	23.5		"	20.0		118	70-130				
p-Diethylbenzene	11.0		"	10.0		110	70-130				
p-Ethyltoluene	10.7		"	10.0		107	70-130				
p-Isopropyltoluene	10.3		"	10.0		103	70-130				
sec-Butylbenzene	10.7		"	10.0		107	70-130				
Styrene	11.7		"	10.0		117	70-130				
tert-Amyl alcohol (TAA)	97.1		"	100		97.1	70-130				
tert-Amyl methyl ether (TAME)	10.4		"	10.0		104	70-130				
tert-Butyl alcohol (TBA)	51.3		"	50.0		103	70-130				
tert-Butylbenzene	10.6		"	10.0		106	70-130				
Tetrachloroethylene	6.96		"	10.0		69.6	70-130	Low Bias			
Tetrahydrofuran	10.6		"	10.0		106	70-130				
Toluene	11.3		"	10.0		113	70-130				
trans-1,2-Dichloroethylene	9.64		"	10.0		96.4	70-130				
trans-1,3-Dichloropropylene	12.8		"	10.0		128	70-130				
trans-1,4-dichloro-2-butene	10.8		"	10.0		108	70-130				
Trichloroethylene	11.7		"	10.0		117	70-130				
Trichlorofluoromethane	11.2		"	10.1		111	70-130				
Vinyl acetate	8.50		"	10.0		85.0	70-130				
Vinyl Chloride	12.6		"	10.1		125	70-130				
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Surrogate: SURRE: 1,2-Dichloroethane-d4	9.69		"	10.0		96.9	70-130				
Surrogate: SURRE: Toluene-d8	10.9		"	10.0		109	70-130				
Surrogate: SURRE: p-Bromofluorobenzene	10.0		"	10.0		100	70-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
<b>Batch S5K0312 - BK50011</b>										
<b>(S5K0312-CCV1)</b>										
Prepared & Analyzed: 11/01/2025										
1,1,1,2-Tetrachloroethane	9.78		ug/L	10.0		97.8	80-120			
1,1,1-Trichloroethane	9.31		"	10.0		93.1	80-120			
1,1,2,2-Tetrachloroethane	8.46		"	10.0		84.6	80-120			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.89		"	10.0		88.9	80-120			
1,1,2-Trichloroethane	9.99		"	10.0		99.9	80-120			
1,1-Dichloroethane	9.03		"	10.0		90.3	80-120			
1,1-Dichloroethylene	8.74		"	10.0		87.4	80-120			
1,1-Dichloropropylene	9.02		"	10.0		90.2	80-120			
1,2,3-Trichlorobenzene	8.86		"	10.0		88.6	80-120			
1,2,3-Trichloropropane	8.98		"	10.0		89.8	80-120			
1,2,4,5-Tetramethylbenzene	9.30		"	10.0		93.0	80-120			
1,2,4-Trichlorobenzene	9.08		"	10.0		90.8	80-120			
1,2,4-Trimethylbenzene	8.81		"	10.0		88.1	80-120			
1,2-Dibromo-3-chloropropane	8.72		"	10.0		87.2	80-120			
1,2-Dibromoethane	10.1		"	10.0		101	80-120			
1,2-Dichlorobenzene	8.76		"	10.0		87.6	80-120			
1,2-Dichloroethane	8.78		"	10.0		87.8	80-120			
1,2-Dichloropropane	9.81		"	10.0		98.1	80-120			
1,3,5-Trimethylbenzene	8.79		"	10.0		87.9	80-120			
1,3-Dichlorobenzene	8.44		"	10.0		84.4	80-120			
1,3-Dichloropropane	9.96		"	10.0		99.6	80-120			
1,4-Dichlorobenzene	8.88		"	10.0		88.8	80-120			
2,2-Dichloropropane	7.98		"	10.0		79.8	80-120	Low Bias		
2-Butanone	9.75		"	10.0		97.5	80-120			
2-Chlorotoluene	8.42		"	10.0		84.2	80-120			
2-Hexanone	10.6		"	10.0		106	80-120			
4-Chlorotoluene	8.67		"	10.0		86.7	80-120			
4-Methyl-2-pentanone	10.1		"	10.0		101	80-120			
Acetone	10.5		"	10.0		105	80-120			
Acrolein	33.0		"	40.0		82.6	80-120			
Acrylonitrile	48.7		"	50.0		97.4	80-120			
Benzene	9.13		"	10.0		91.3	80-120			
Bromobenzene	8.53		"	10.0		85.3	80-120			
Bromochloromethane	9.27		"	10.0		92.7	80-120			
Bromodichloromethane	10.0		"	10.0		100	80-120			
Bromoform	10.2		"	10.0		102	80-120			
Bromomethane	8.25		"	10.0		82.5	80-120			
Carbon disulfide	8.98		"	10.0		89.8	80-120			
Carbon tetrachloride	9.15		"	10.0		91.5	80-120			
Chlorobenzene	9.71		"	10.0		97.1	80-120			
Chloroethane	8.04		"	10.0		80.4	80-120			
Chloroform	9.13		"	10.0		91.3	80-120			
Chloromethane	8.84		"	10.0		88.4	80-120			
cis-1,2-Dichloroethylene	8.82		"	10.0		88.2	80-120			
cis-1,3-Dichloropropylene	10.3		"	10.0		103	80-120			
Cyclohexane	9.79		"	10.0		97.9	80-120			
Dibromochloromethane	10.3		"	10.0		103	80-120			
Dibromomethane	9.99		"	10.0		99.9	80-120			
Dichlorodifluoromethane	7.84		"	10.0		78.4	80-120	Low Bias		
Diisopropyl ether (DIPE)	9.51		"	10.0		95.1	80-120			



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

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

**Batch S5K0312 - BK50011**

**(S5K0312-CCV1)**

Prepared & Analyzed: 11/01/2025

Ethyl Benzene	9.53		ug/L	10.0		95.3	80-120				
Ethyl tert-butyl ether (ETBE)	9.60		"	10.0		96.0	80-120				
Hexachlorobutadiene	8.79		"	10.0		87.9	80-120				
Iodomethane	6.88		"	10.0		68.8	80-120	Low Bias			
Isopropylbenzene	8.95		"	10.0		89.5	80-120				
Methyl acetate	8.82		"	10.0		88.2	80-120				
Methyl Methacrylate	10.8		"	10.0		108	80-120				
Methyl tert-butyl ether (MTBE)	9.52		"	10.0		95.2	80-120				
Methylcyclohexane	10.1		"	10.0		101	80-120				
Methylene chloride	9.07		"	10.0		90.7	80-120				
Naphthalene	9.71		"	10.0		97.1	80-120				
n-Butylbenzene	8.29		"	10.0		82.9	80-120				
n-Propylbenzene	8.84		"	10.0		88.4	80-120				
o-Xylene	9.53		"	10.0		95.3	80-120				
p- & m- Xylenes	19.1		"	20.0		95.4	80-120				
p-Diethylbenzene	8.76		"	10.0		87.6	80-120				
p-Ethyltoluene	8.74		"	10.0		87.4	80-120				
p-Isopropyltoluene	8.53		"	10.0		85.3	80-120				
sec-Butylbenzene	8.89		"	10.0		88.9	80-120				
Styrene	9.77		"	10.0		97.7	80-120				
tert-Amyl alcohol (TAA)	45.3		"	50.0		90.7	80-120				
tert-Amyl methyl ether (TAME)	9.55		"	10.0		95.5	80-120				
tert-Butyl alcohol (TBA)	50.1		"	50.0		100	80-120				
tert-Butylbenzene	8.96		"	10.0		89.6	80-120				
Tetrachloroethylene	10.9		"	10.0		109	80-120				
Tetrahydrofuran	47.5		"	50.0		95.0	80-120				
Toluene	9.13		"	10.0		91.3	80-120				
trans-1,2-Dichloroethylene	8.89		"	10.0		88.9	80-120				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	80-120				
trans-1,4-dichloro-2-butene	8.95		"	10.0		89.5	80-120				
Trichloroethylene	10.1		"	10.0		101	80-120				
Trichlorofluoromethane	8.38		"	10.0		83.8	80-120				
Vinyl acetate	7.25		"	10.0		72.5	80-120	Low Bias			
Vinyl Chloride	9.25		"	10.0		92.5	80-120				
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Surrogate: SURRE: 1,2-Dichloroethane-d4	9.70		"	10.0		97.0	80-120				
Surrogate: SURRE: Toluene-d8	10.4		"	10.0		104	80-120				
Surrogate: SURRE: p-Bromofluorobenzene	9.48		"	10.0		94.8	80-120				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ52041 - EPA 1633 Prep

Blank (BJ52041-BLK1)

Prepared: 10/30/2025 Analyzed: 11/02/2025

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	5.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	"								
Perfluoro-3,6-dioxahexanoic 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	"								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	"								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	"								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	25.0		"	23.3		107	40-135				
Surrogate: M5PFHxA	24.5		"	25.0		98.1	40-130				
Surrogate: M4PFHpA	27.5		"	25.0		110	40-130				
Surrogate: M3PFHxS	24.2		"	23.7		102	40-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result	%REC			RPD		
<b>Batch BJ52041 - EPA 1633 Prep</b>											
<b>Blank (BJ52041-BLK1)</b>											
Prepared: 10/30/2025 Analyzed: 11/02/2025											
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	23.4		ng/L	25.0		93.7	40-130				
Surrogate: M6PFDA	12.3		"	12.5		98.5	40-130				
Surrogate: M7PFUdA	11.3		"	12.5		90.6	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	10.4		"	12.5		83.3	10-130				
Surrogate: M2PFTeDA	8.25		"	12.5		66.0	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	96.5		"	100		96.5	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.5		"	24.0		107	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	50.5		"	50.0		101	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.4		"	25.0		93.4	40-130				
Surrogate: d3-N-MeFOSAA	47.0		"	50.0		94.1	40-170				
Surrogate: d5-N-EtFOSAA	44.0		"	50.0		87.9	25-135				
Surrogate: M2-6:2 FTS	61.2		"	47.6		129	40-200				
Surrogate: M2-8:2 FTS	55.3		"	48.0		115	40-300				
Surrogate: M9PFNA	12.9		"	12.5		103	40-130				
Surrogate: M2-4:2 FTS	55.9		"	46.9		119	40-200				
Surrogate: d-N-MeFOSA	23.3		"	25.0		93.1	10-130				
Surrogate: d-N-EtFOSA	22.3		"	25.0		89.4	10-130				
Surrogate: M3HFPO-DA	108		"	100		108	40-130				
Surrogate: d9-N-EtFOSE	198		"	250		79.0	10-130				
Surrogate: d7-N-MeFOSE	204		"	250		81.7	10-130				
<b>LCS (BJ52041-BS1)</b>											
Prepared: 10/30/2025 Analyzed: 11/02/2025											
Perfluorobutanesulfonic acid (PFBS)	40.8	1.77	ng/L	35.4		115	60-145				
Perfluorohexanoic acid (PFHxA)	48.9	2.00	"	40.0		122	70-145				
Perfluoroheptanoic acid (PFHpA)	43.8	2.00	"	40.0		109	70-150				
Perfluorohexanesulfonic acid (PFHxS)	41.9	1.83	"	36.6		115	65-145				
Perfluorooctanoic acid (PFOA)	50.1	2.00	"	40.0		125	70-150				
Perfluorooctanesulfonic acid (PFOS)	39.0	1.86	"	37.2		105	55-150				
Perfluorononanoic acid (PFNA)	47.6	2.00	"	40.0		119	70-150				
Perfluorodecanoic acid (PFDA)	49.4	2.00	"	40.0		124	70-140				
Perfluoroundecanoic acid (PFUnA)	47.1	2.00	"	40.0		118	70-145				
Perfluorododecanoic acid (PFDoA)	50.7	2.00	"	40.0		127	70-140				
Perfluorotridecanoic acid (PFTrDA)	55.5	2.00	"	40.0		139	65-140				
Perfluorotetradecanoic acid (PFTA)	50.4	2.00	"	40.0		126	60-140				
N-MeFOSAA	45.4	2.00	"	40.0		114	50-140				
N-EtFOSAA	42.5	5.00	"	40.0		106	70-145				
Perfluoropentanoic acid (PFPeA)	92.1	4.00	"	80.0		115	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	46.3	2.00	"	40.0		116	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	37.1	1.91	"	38.2		97.2	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	36.1	1.93	"	38.6		93.5	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	165	7.60	"	152		108	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	180	7.68	"	154		117	60-150				
Perfluoro-n-butanoic acid (PFBA)	188	8.00	"	160		118	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	89.5	3.56	"	71.2		126	70-140				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
		Limit			Result				RPD		
<b>Batch BJ52041 - EPA 1633 Prep</b>											
<b>LCS (BJ52041-BS1)</b>											
Prepared: 10/30/2025 Analyzed: 11/02/2025											
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	106	4.00	ng/L	80.0		133	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	93.9	4.00	"	80.0		117	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	96.8	4.00	"	80.0		121	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	41.6	1.88	"	37.6		111	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	184	7.50	"	150		122	70-145				
HFPO-DA (Gen-X)	80.9	8.00	"	80.0		101	70-140				
11CL-PF3OUdS	83.0	7.56	"	75.6		110	55-160				
9CL-PF3ONS	89.3	7.48	"	74.8		119	70-155				
ADONA	88.1	7.56	"	75.6		116	65-145				
Perfluorododecanesulfonic acid (PFDoS)	30.2	1.94	"	38.8		77.9	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	40.6	1.92	"	38.4		106	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	234	10.0	"	160		146	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	982	50.0	"	800		123	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	1140	50.0	"	800		142	50-145				
N-MeFOSE	459	20.0	"	400		115	70-145				
N-MeFOSA	50.9	2.00	"	40.0		127	60-150				
N-EtFOSE	458	20.0	"	400		114	70-135				
N-EtFOSA	46.7	2.00	"	40.0		117	65-145				
Surrogate: M3PFBS	22.9		"	23.3		98.1	40-135				
Surrogate: M5PFHxA	23.2		"	25.0		92.8	40-130				
Surrogate: M4PFHpA	25.8		"	25.0		103	40-130				
Surrogate: M3PFHxS	22.1		"	23.7		93.1	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.4		"	25.0		89.8	40-130				
Surrogate: M6PFDA	10.4		"	12.5		83.2	40-130				
Surrogate: M7PFUdA	10.3		"	12.5		82.6	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	9.10		"	12.5		72.8	10-130				
Surrogate: M2PFTeDA	7.42		"	12.5		59.4	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	95.1		"	100		95.1	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	28.9		"	24.0		121	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.4		"	50.0		92.8	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.3		"	25.0		117	40-130				
Surrogate: d3-N-MeFOSAA	48.5		"	50.0		96.9	40-170				
Surrogate: d5-N-EtFOSAA	48.8		"	50.0		97.7	25-135				
Surrogate: M2-6:2 FTS	44.9		"	47.6		94.4	40-200				
Surrogate: M2-8:2 FTS	43.3		"	48.0		90.3	40-300				
Surrogate: M9PFNA	13.7		"	12.5		110	40-130				
Surrogate: M2-4:2 FTS	41.3		"	46.9		88.2	40-200				
Surrogate: d-N-MeFOSA	23.1		"	25.0		92.4	10-130				
Surrogate: d-N-EtFOSA	23.1		"	25.0		92.5	10-130				
Surrogate: M3HFPO-DA	102		"	100		102	40-130				
Surrogate: d9-N-EtFOSE	211		"	250		84.3	10-130				
Surrogate: d7-N-MeFOSE	217		"	250		86.9	10-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
<b>Batch BJ52041 - EPA 1633 Prep</b>											
<b>LCS (BJ52041-BS2)</b>											
Prepared: 10/30/2025 Analyzed: 11/02/2025											
Perfluorobutanesulfonic acid (PFBS)	3.16	1.77	ng/L	3.54		89.3		60-145			
Perfluorohexanoic acid (PFHxA)	3.89	2.00	"	4.00		97.3		70-145			
Perfluoroheptanoic acid (PFHpA)	4.17	2.00	"	4.00		104		70-150			
Perfluorohexanesulfonic acid (PFHxS)	3.74	1.83	"	3.66		102		65-145			
Perfluorooctanoic acid (PFOA)	4.07	2.00	"	4.00		102		70-150			
Perfluorooctanesulfonic acid (PFOS)	3.21	1.86	"	3.72		86.4		55-150			
Perfluorononanoic acid (PFNA)	4.07	2.00	"	4.00		102		70-150			
Perfluorodecanoic acid (PFDA)	3.88	2.00	"	4.00		97.1		70-140			
Perfluoroundecanoic acid (PFUnA)	4.31	2.00	"	4.00		108		70-145			
Perfluorododecanoic acid (PFDoA)	4.77	2.00	"	4.00		119		70-140			
Perfluorotridecanoic acid (PFTriDA)	5.12	2.00	"	4.00		128		65-140			
Perfluorotetradecanoic acid (PFTA)	4.02	2.00	"	4.00		100		60-140			
N-MeFOSAA	3.95	2.00	"	4.00		98.9		50-140			
N-EtFOSAA	4.01	5.00	"	4.00		100		70-145			
Perfluoropentanoic acid (PFPeA)	8.01	4.00	"	8.00		100		65-135			
Perfluoro-1-octanesulfonamide (FOSA)	3.56	2.00	"	4.00		88.9		70-145			
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.32	1.91	"	3.82		113		70-150			
Perfluoro-1-decanesulfonic acid (PFDS)	3.56	1.93	"	3.86		92.2		60-145			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	14.6	7.60	"	15.2		96.0		65-155			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	12.8	7.68	"	15.4		83.3		60-150			
Perfluoro-n-butanoic acid (PFBA)	16.4	8.00	"	16.0		103		70-140			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.57	3.56	"	7.12		106		70-140			
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	9.08	4.00	"	8.00		114		50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	7.82	4.00	"	8.00		97.7		55-140			
Perfluoro-5-oxahexanoic acid (PFMBA)	8.08	4.00	"	8.00		101		60-150			
Perfluoro-1-pentanesulfonate (PFPeS)	3.29	1.88	"	3.76		87.6		65-140			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	16.0	7.50	"	15.0		107		70-145			
HFPO-DA (Gen-X)	6.60	8.00	"	8.00		82.6		70-140			
11CL-PF3OUdS	9.47	7.56	"	7.56		125		55-160			
9CL-PF3ONS	10.8	7.48	"	7.48		144		70-155			
ADONA	9.11	7.56	"	7.56		121		65-145			
Perfluorododecanesulfonic acid (PFDoS)	3.63	1.94	"	3.88		93.5		50-145			
Perfluoro-1-nonanesulfonic acid (PFNS)	3.36	1.92	"	3.84		87.5		65-145			
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	19.2	10.0	"	16.0		120		65-130			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	80.4	50.0	"	80.0		101		70-135			
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	88.9	50.0	"	80.0		111		50-145			
N-MeFOSE	43.1	20.0	"	40.0		108		70-145			
N-MeFOSA	4.58	2.00	"	4.00		115		60-150			
N-EtFOSE	46.0	20.0	"	40.0		115		70-135			
N-EtFOSA	4.56	2.00	"	4.00		114		65-145			
Surrogate: M3PFBS	25.2		"	23.3		108		40-135			
Surrogate: M5PFHxA	24.2		"	25.0		96.7		40-130			
Surrogate: M4PFHpA	25.0		"	25.0		99.8		40-130			
Surrogate: M3PFHxS	24.6		"	23.7		104		40-130			



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

**York Analytical Laboratories, Inc.**

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

**Batch BJ52041 - EPA 1633 Prep**

**LCS (BJ52041-BS2)**

Prepared: 10/30/2025 Analyzed: 11/02/2025

Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	24.7		ng/L	25.0		98.9	40-130			
Surrogate: M6PFDA	11.8		"	12.5		94.1	40-130			
Surrogate: M7PFUdA	10.9		"	12.5		87.3	30-130			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	9.14		"	12.5		73.1	10-130			
Surrogate: M2PFTeDA	7.61		"	12.5		60.9	10-130			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	93.6		"	100		93.6	5-130			
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.2		"	24.0		105	40-130			
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	48.9		"	50.0		97.7	40-130			
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	28.3		"	25.0		113	40-130			
Surrogate: d3-N-MeFOSAA	44.8		"	50.0		89.6	40-170			
Surrogate: d5-N-EtFOSAA	44.6		"	50.0		89.3	25-135			
Surrogate: M2-6:2 FTS	56.9		"	47.6		120	40-200			
Surrogate: M2-8:2 FTS	57.6		"	48.0		120	40-300			
Surrogate: M9PFNA	13.2		"	12.5		105	40-130			
Surrogate: M2-4:2 FTS	53.4		"	46.9		114	40-200			
Surrogate: d-N-MeFOSA	23.7		"	25.0		94.7	10-130			
Surrogate: d-N-EtFOSA	24.0		"	25.0		96.0	10-130			
Surrogate: M3HFPO-DA	95.4		"	100		95.4	40-130			
Surrogate: d9-N-EtFOSE	189		"	250		75.7	10-130			
Surrogate: d7-N-MeFOSE	192		"	250		76.8	10-130			

**Batch S5J3033 - BJ51521**

**Performance Mix (S5J3033-PEM1)**

Prepared & Analyzed: 10/29/2025

Perfluorobutanesulfonic acid (PFBS)	2.13		ng/mL	2.22		96.1	0-200			
Perfluorohexanoic acid (PFHxA)	2.53		"	2.50		101	0-200			
Perfluoroheptanoic acid (PFHpA)	2.48		"	2.50		99.2	0-200			
Perfluorohexanesulfonic acid (PFHxS)	2.07		"	2.28		90.9	0-200			
Perfluorooctanoic acid (PFOA)	2.47		"	2.50		98.9	0-200			
Perfluorooctanesulfonic acid (PFOS)	2.30		"	2.32		99.1	0-200			
Perfluorononanoic acid (PFNA)	2.27		"	2.50		91.0	0-200			
Perfluorodecanoic acid (PFDA)	2.59		"	2.50		103	0-200			
Perfluoroundecanoic acid (PFUnA)	2.39		"	2.50		95.4	0-200			
Perfluorododecanoic acid (PFDoA)	2.46		"	2.50		98.4	0-200			
Perfluorotridecanoic acid (PFTriDA)	2.44		"	2.50		97.8	0-200			
Perfluorotetradecanoic acid (PFTA)	2.44		"	2.50		97.6	0-200			
N-MeFOSAA	2.41		"	2.50		96.4	0-200			
N-EtFOSAA	2.50		"	2.50		100	0-200			
Perfluoropentanoic acid (PFPeA)	4.83		"	5.00		96.5	0-200			
Perfluoro-1-octanesulfonamide (FOSA)	2.36		"	2.50		94.2	0-200			
Perfluoro-1-heptanesulfonic acid (PFHpS)	2.29		"	2.38		96.0	0-200			
Perfluoro-1-decanesulfonic acid (PFDS)	2.42		"	2.41		100	0-200			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	8.94		"	9.50		94.2	0-200			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	9.69		"	9.60		101	0-200			
Perfluoro-n-butanoic acid (PFBA)	9.70		"	10.0		97.0	0-200			



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit
<b>Batch S5J3033 - BJ51521</b>										
<b>Performance Mix (S5J3033-PEM1)</b>						Prepared & Analyzed: 10/29/2025				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	4.53		ng/mL	4.45		102	0-200			
Perfluoro-4-oxapentanoic acid (PFMPA)	4.98		"	5.00		99.6	0-200			
Perfluoro-5-oxahexanoic acid (PFMBA)	4.92		"	5.00		98.4	0-200			
Perfluoro-1-pentanesulfonate (PFPeS)	2.19		"	2.35		93.2	0-200			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	9.30		"	9.38		99.1	0-200			
HFPO-DA (Gen-X)	11.4		"	10.0		114	0-200			
11CL-PF3OUdS	10.3		"	9.45		109	0-200			
9CL-PF3ONS	10.4		"	9.35		111	0-200			
ADONA	10.0		"	9.45		106	0-200			
Perfluorododecanesulfonic acid (PFDoS)	2.47		"	2.42		102	0-200			
Perfluoro-1-nonanesulfonic acid (PFNS)	2.53		"	2.40		105	0-200			
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	12.5		"	12.5		100	0-200			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	65.8		"	62.6		105	0-200			
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	63.0		"	62.6		101	0-200			
N-MeFOSE	26.1		"	25.0		104	0-200			
N-MeFOSA	2.43		"	2.50		97.1	0-200			
N-EtFOSE	25.3		"	25.0		101	0-200			
N-EtFOSA	2.44		"	2.50		97.5	0-200			
Surrogate: M3PFBS	2.58		"	2.33		111	0-200			
Surrogate: M5PFHxA	2.31		"	2.50		92.4	0-200			
Surrogate: M4PFHpA	2.29		"	2.50		91.5	0-200			
Surrogate: M3PFHxS	2.52		"	2.37		106	0-200			
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.23		"	2.50		89.2	0-200			
Surrogate: M6PFDA	1.15		"	1.25		92.1	0-200			
Surrogate: M7PFUdA	1.25		"	1.25		99.7	0-200			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.24		"	1.25		99.1	0-200			
Surrogate: M2PFTeDA	1.19		"	1.25		95.4	0-200			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	9.48		"	10.0		94.8	0-200			
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.37		"	2.40		98.9	0-200			
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.79		"	5.00		95.7	0-200			
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.43		"	2.50		97.0	0-200			
Surrogate: d3-N-MeFOSAA	4.89		"	5.00		97.9	0-200			
Surrogate: d5-N-EtFOSAA	4.75		"	5.00		94.9	0-200			
Surrogate: M2-6:2 FTS	4.92		"	4.76		103	0-200			
Surrogate: M2-8:2 FTS	4.37		"	4.80		91.1	0-200			
Surrogate: M9PFNA	1.22		"	1.25		97.6	0-200			
Surrogate: M2-4:2 FTS	4.71		"	4.69		100	0-200			
Surrogate: d-N-MeFOSA	2.55		"	2.50		102	0-200			
Surrogate: d-N-EtFOSA	2.65		"	2.50		106	0-200			
Surrogate: M3HFPO-DA	9.70		"	10.0		97.0	0-200			
Surrogate: d9-N-EtFOSE	26.4		"	25.0		106	0-200			
Surrogate: d7-N-MeFOSE	25.9		"	25.0		104	0-200			



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch S5K0433 - BJ51692</b>											
<b>Performance Mix (S5K0433-PEM1)</b>						Prepared & Analyzed: 11/02/2025					
Perfluorobutanesulfonic acid (PFBS)	2.23		ng/mL	2.22		101	0-200				
Perfluorohexanoic acid (PFHxA)	2.47		"	2.50		98.7	0-200				
Perfluoroheptanoic acid (PFHpA)	2.64		"	2.50		106	0-200				
Perfluorohexanesulfonic acid (PFHxS)	2.00		"	2.28		87.9	0-200				
Perfluorooctanoic acid (PFOA)	2.39		"	2.50		95.7	0-200				
Perfluorooctanesulfonic acid (PFOS)	2.21		"	2.32		95.3	0-200				
Perfluorononanoic acid (PFNA)	2.67		"	2.50		107	0-200				
Perfluorodecanoic acid (PFDA)	2.57		"	2.50		103	0-200				
Perfluoroundecanoic acid (PFUnA)	2.72		"	2.50		109	0-200				
Perfluorododecanoic acid (PFDoA)	2.57		"	2.50		103	0-200				
Perfluorotridecanoic acid (PFTriDA)	2.47		"	2.50		99.0	0-200				
Perfluorotetradecanoic acid (PFTA)	2.51		"	2.50		101	0-200				
N-MeFOSAA	2.30		"	2.50		92.0	0-200				
N-EtFOSAA	2.26		"	2.50		90.4	0-200				
Perfluoropentanoic acid (PFPeA)	4.77		"	5.00		95.4	0-200				
Perfluoro-1-octanesulfonamide (FOSA)	2.24		"	2.50		89.7	0-200				
Perfluoro-1-heptanesulfonic acid (PFHpS)	2.19		"	2.38		92.2	0-200				
Perfluoro-1-decanesulfonic acid (PFDS)	2.29		"	2.41		95.0	0-200				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	8.79		"	9.50		92.5	0-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	9.21		"	9.60		95.9	0-200				
Perfluoro-n-butanoic acid (PFBA)	10.0		"	10.0		100	0-200				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	4.61		"	4.45		104	0-200				
Perfluoro-4-oxapentanoic acid (PFMPA)	4.71		"	5.00		94.2	0-200				
Perfluoro-5-oxahexanoic acid (PFMBA)	5.15		"	5.00		103	0-200				
Perfluoro-1-pentanesulfonate (PFPeS)	2.43		"	2.35		103	0-200				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	9.27		"	9.38		98.8	0-200				
HFPO-DA (Gen-X)	10.5		"	10.0		105	0-200				
11CL-PF3OUdS	11.5		"	9.45		121	0-200				
9CL-PF3ONS	11.5		"	9.35		123	0-200				
ADONA	10.9		"	9.45		115	0-200				
Perfluorododecanesulfonic acid (PFDoS)	2.25		"	2.42		93.1	0-200				
Perfluoro-1-nonanesulfonic acid (PFNS)	2.35		"	2.40		97.9	0-200				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	12.6		"	12.5		101	0-200				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	60.5		"	62.6		96.6	0-200				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	66.9		"	62.6		107	0-200				
N-MeFOSE	26.1		"	25.0		104	0-200				
N-MeFOSA	2.74		"	2.50		110	0-200				
N-EtFOSE	25.2		"	25.0		101	0-200				
N-EtFOSA	2.52		"	2.50		101	0-200				
Surrogate: M3PFBS	2.21		"	2.33		94.7	0-200				
Surrogate: M5PFHxA	2.09		"	2.50		83.7	0-200				
Surrogate: M4PFHpA	1.97		"	2.50		78.6	0-200				
Surrogate: M3PFHxS	2.08		"	2.37		87.6	0-200				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	2.08		"	2.50		83.3	0-200				
Surrogate: M6PFDA	0.969		"	1.25		77.5	0-200				



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

York Analytical Laboratories, Inc.

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

**Batch S5K0433 - BJ51692**

**Performance Mix (S5K0433-PEM1)**

Prepared & Analyzed: 11/02/2025

Surrogate: M7PFUdA	0.932		ng/mL	1.25		74.6	0-200			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.875		"	1.25		70.0	0-200			
Surrogate: M2PFTeDA	0.939		"	1.25		75.1	0-200			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	8.16		"	10.0		81.6	0-200			
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.06		"	2.40		85.7	0-200			
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.97		"	5.00		79.4	0-200			
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.35		"	2.50		94.0	0-200			
Surrogate: d3-N-MeFOSAA	3.87		"	5.00		77.5	0-200			
Surrogate: d5-N-EtFOSAA	3.99		"	5.00		79.8	0-200			
Surrogate: M2-6:2 FTS	5.21		"	4.76		109	0-200			
Surrogate: M2-8:2 FTS	5.08		"	4.80		106	0-200			
Surrogate: M9PFNA	1.04		"	1.25		83.5	0-200			
Surrogate: M2-4:2 FTS	4.90		"	4.69		105	0-200			
Surrogate: d-N-MeFOSA	2.04		"	2.50		81.6	0-200			
Surrogate: d-N-EtFOSA	2.26		"	2.50		90.5	0-200			
Surrogate: M3HFPO-DA	8.38		"	10.0		83.8	0-200			
Surrogate: d9-N-EtFOSE	20.2		"	25.0		80.6	0-200			
Surrogate: d7-N-MeFOSE	19.5		"	25.0		77.9	0-200			

**Batch S5K0525 - BK50049**

**Performance Mix (S5K0525-PEM1)**

Prepared & Analyzed: 11/05/2025

Perfluorobutanesulfonic acid (PFBS)	2.33		ng/mL	2.22		105	0-200			
Perfluorohexanoic acid (PFHxA)	2.48		"	2.50		99.3	0-200			
Perfluoroheptanoic acid (PFHpA)	2.98		"	2.50		119	0-200			
Perfluorohexanesulfonic acid (PFHxS)	2.12		"	2.28		93.0	0-200			
Perfluorooctanoic acid (PFOA)	2.68		"	2.50		107	0-200			
Perfluorooctanesulfonic acid (PFOS)	2.29		"	2.32		98.8	0-200			
Perfluorononanoic acid (PFNA)	2.41		"	2.50		96.3	0-200			
Perfluorodecanoic acid (PFDA)	2.52		"	2.50		101	0-200			
Perfluoroundecanoic acid (PFUnA)	2.74		"	2.50		110	0-200			
Perfluorododecanoic acid (PFDoA)	2.80		"	2.50		112	0-200			
Perfluorotridecanoic acid (PFTrDA)	2.44		"	2.50		97.7	0-200			
Perfluorotetradecanoic acid (PFTA)	2.55		"	2.50		102	0-200			
N-MeFOSAA	2.37		"	2.50		94.8	0-200			
N-EtFOSAA	2.30		"	2.50		92.0	0-200			
Perfluoropentanoic acid (PFPeA)	4.89		"	5.00		97.8	0-200			
Perfluoro-1-octanesulfonamide (FOSA)	2.45		"	2.50		98.1	0-200			
Perfluoro-1-heptanesulfonic acid (PFHpS)	2.35		"	2.38		98.7	0-200			
Perfluoro-1-decanesulfonic acid (PFDS)	2.08		"	2.41		86.3	0-200			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	8.97		"	9.50		94.4	0-200			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	8.89		"	9.60		92.7	0-200			
Perfluoro-n-butanoic acid (PFBA)	9.55		"	10.0		95.5	0-200			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	4.89		"	4.45		110	0-200			
Perfluoro-4-oxapentanoic acid (PFMPA)	5.03		"	5.00		101	0-200			



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit
<b>Batch S5K0525 - BK50049</b>										
<b>Performance Mix (S5K0525-PEM1)</b>						Prepared & Analyzed: 11/05/2025				
Perfluoro-5-oxahexanoic acid (PFMBA)	5.41		ng/mL	5.00		108	0-200			
Perfluoro-1-pentanesulfonate (PFPeS)	2.50		"	2.35		106	0-200			
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	9.98		"	9.38		106	0-200			
HFPO-DA (Gen-X)	10.3		"	10.0		103	0-200			
11CL-PF3OUdS	9.34		"	9.45		98.9	0-200			
9CL-PF3ONS	9.43		"	9.35		101	0-200			
ADONA	8.98		"	9.45		95.0	0-200			
Perfluorododecanesulfonic acid (PFDoS)	1.85		"	2.42		76.3	0-200			
Perfluoro-1-nonanesulfonic acid (PFNS)	2.34		"	2.40		97.7	0-200			
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	17.7		"	12.5		142	0-200			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	66.3		"	62.6		106	0-200			
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	67.0		"	62.6		107	0-200			
N-MeFOSE	24.5		"	25.0		98.0	0-200			
N-MeFOSA	2.68		"	2.50		107	0-200			
N-EtFOSE	27.5		"	25.0		110	0-200			
N-EtFOSA	2.78		"	2.50		111	0-200			
Surrogate: M3PFBS	2.13		"	2.33		91.6	0-200			
Surrogate: M5PFHxA	2.09		"	2.50		83.5	0-200			
Surrogate: M4PFHpA	1.89		"	2.50		75.7	0-200			
Surrogate: M3PFHxS	2.04		"	2.37		86.0	0-200			
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	1.93		"	2.50		77.3	0-200			
Surrogate: M6PFDA	1.12		"	1.25		89.5	0-200			
Surrogate: M7PFUdA	1.03		"	1.25		82.1	0-200			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.942		"	1.25		75.3	0-200			
Surrogate: M2PFTeDA	0.980		"	1.25		78.4	0-200			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	8.34		"	10.0		83.4	0-200			
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.10		"	2.40		87.5	0-200			
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.08		"	5.00		81.7	0-200			
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.26		"	2.50		90.4	0-200			
Surrogate: d3-N-MeFOSAA	4.55		"	5.00		90.9	0-200			
Surrogate: d5-N-EtFOSAA	4.58		"	5.00		91.6	0-200			
Surrogate: M2-6:2 FTS	4.90		"	4.76		103	0-200			
Surrogate: M2-8:2 FTS	5.11		"	4.80		107	0-200			
Surrogate: M9PFNA	1.05		"	1.25		83.9	0-200			
Surrogate: M2-4:2 FTS	4.47		"	4.69		95.4	0-200			
Surrogate: d-N-MeFOSA	2.15		"	2.50		85.9	0-200			
Surrogate: d-N-EtFOSA	2.43		"	2.50		97.4	0-200			
Surrogate: M3HFPO-DA	10.4		"	10.0		104	0-200			
Surrogate: d9-N-EtFOSE	25.3		"	25.0		101	0-200			
Surrogate: d7-N-MeFOSE	26.6		"	25.0		106	0-200			



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
25J1718-02	FMW-15	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1718-04	FMW-14	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1718-06	FMW-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1718-07	MW-53	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1718-09	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1718-10	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

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

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# Field Chain-of-Custody Record

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK 800-306-9675

ALS Project Number

2501718

Page 1 of 1

<b>Report To:</b> Company: WSP Address: 500 Summit Lake Dr Valhalla NY Phone: 914 321 1342 Contact: John Benvegna E-mail: John.Benvegna@WSP.com		<b>Invoice To:</b> Company: Address: Phone: Contact: E-mail:		<b>YOUR Project Name / Number</b> Westchester County Airport (WCA)  PO Number US0033899.2856  Preservative (please list number of containers)		<b>Samples Collected From</b> NY <input checked="" type="checkbox"/> CT <input type="checkbox"/> NJ <input checked="" type="checkbox"/> PA <input type="checkbox"/> Other: (please specify)  <b>Analyses Requested</b>		<b>Turn-Around Time</b> RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day RUSH - Five Day Standard (6-9 Day) <input checked="" type="checkbox"/> PFAS Standard 7-10 Day <input checked="" type="checkbox"/> <b>Report Type (circle)</b> QA Report Summary (Results Only) NY ASP B Package NJ Reduced NJ DKQP NJ Full CT RCP								
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 ALS are resolved.  Mike Reiff 		<b>Matrix Codes</b> S - soil/solid/sludge GW - groundwater DW - drinking water SW - surface water WW - wastewater O - Oil Other		Unpreserved HCl (hydrochloric acid) MeOH (methanol) HNO <sub>3</sub> (nitric acid) H <sub>2</sub> SO <sub>4</sub> (sulfuric acid) NaOH (sodium hydroxide) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (sodium thio.) Trizma Ammonium Acetate Other:		PFAS 1633 Vocs Full list (8260)		Grab or Comp. G/C								
<b>Sample Identification</b>		Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO <sub>3</sub> (nitric acid)	H <sub>2</sub> SO <sub>4</sub> (sulfuric acid)	NaOH (sodium hydroxide)	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (sodium thio.)	Trizma	Ammonium Acetate	Other:	G/C	<b>EDD Type (circle)</b> EQUiS (standard) NYSDEC EQUiS NJDEP SRP Haz Site Standard Excel CMDP Other:
MU-51	10/28/25	1015	GW	2												Standard Excel
FMW-15		1100		2	3											Standard Excel
FMW-16		1130		2												Standard Excel
FMW-14		1215		2												Standard Excel
MW-52		1300		2												Standard Excel
FMW-23		1400		2	3											Standard Excel
MW-53		1450		2	3											Standard Excel
MW-16		1530		2												Standard Excel
Field Blank		1600	DF	2	3											Standard Excel
TriP Blank		-			2											Standard Excel

**Comments:**

**Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N**  
 Custody Seals: Y /  Containers Intact: Y / N COC/Labels Agree:  / N Preservation Confirmed:  / N  
 COC Complete:  / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers:  / N  
 Cooler Temperature Confirmed:  / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y /

Samples Relinquished by / Company		Date/Time	1. Samples Received by / Company		Date/Time	2. Samples Relinquished by / Company		Date/Time	
		10/28/25 1615			10-28-20 9:15			10-28-20 14:30	
Samples Received by / Company		Date/Time	3. Samples Relinquished by / Company		Date/Time	3. Samples Received by / Company		Date/Time	
Samples Relinquished by / Company		Date/Time	4. Samples Received by / Company		Date/Time	Samples Received in LAB by		Date/Time	Temperature
								10-29-25 14:30	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: 12/10/2025

**Client Project ID: Westchester County Airport (WCA)**

York Project (SDG) No.: 25J1813

Revision No. 1.0

Report Date: 12/10/2025  
Client Project ID: Westchester County Airport (WCA)  
York Project (SDG) No.: 25J1813

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

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 30, 2025 and listed below. The project was identified as your project: **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.

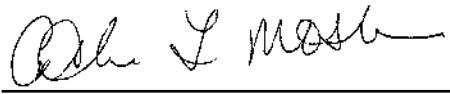
Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
25J1813-01	HANGER_E_MW-1	Ground Water	10/29/2025	10/30/2025
25J1813-02	HANGER_E_MW-4	Ground Water	10/29/2025	10/30/2025
25J1813-03	MW-75	Ground Water	10/29/2025	10/30/2025
25J1813-04	FMW-37	Ground Water	10/29/2025	10/30/2025
25J1813-05	MW-64	Ground Water	10/29/2025	10/30/2025
25J1813-06	FMW-24	Ground Water	10/29/2025	10/30/2025
25J1813-07	FMW-2R	Ground Water	10/29/2025	10/30/2025
25J1813-08	FMW-39	Ground Water	10/29/2025	10/30/2025
25J1813-09	FIELD DUPLICATE	Ground Water	10/29/2025	10/30/2025
25J1813-10	FIELD BLANK	Water	10/29/2025	10/30/2025
25J1813-11	TRIP BLANK	Water	10/29/2025	10/30/2025

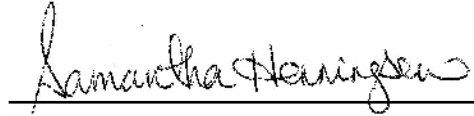
**General Notes for York Project (SDG) No.: 25J1813**

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 NYDOH-NY10854, NJDEP-CT005, PADEP-68-04440, CTDPH-PH0840; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NYDOH-NY12058, NJDEP-NY037, CTDPH-PH0837, NHDES-NH2097, MDDEP-375, PADEP-68-06231.

**Approved By:**



Cassie Mosher  
Laboratory Manager Stratford



Samantha Henningsen  
Laboratory Director - Queens

**Date:** 12/10/2025



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1813-01
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/30/2025
<b>Client Sample ID:</b> HANGER_E_MW-1	<b>Collection Date/Time:</b> 10/29/25 11:00

<b>Lab ID:</b> 25J1813-01	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,1,1-Trichloroethane	14.1		0.266	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,1-Dichloroethane	9.01		0.272	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,1-Dichloroethylene	6.71		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,2-Dichloroethane	3.02		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Acrolein	1.80	ICVE, B	0.447	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	HANGER_E_MW-1	<b>Collection Date/Time:</b>	10/29/25 11:00

<b>Lab ID:</b>	<b>25J1813-01</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Benzene	<b>0.660</b>		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Bromomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Chloroethane	<b>15.5</b>	QL-02	0.448	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
cis-1,2-Dichloroethylene	<b>1.75</b>		0.294	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Dichlorodifluoromethane	ND	ICVE	0.451	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
* Iodomethane	ND	CCVE, ICVE	0.500	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Methylcyclohexane	<b>0.670</b>		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	HANGER_E_MW-1	<b>Collection Date/Time:</b>	10/29/25 11:00

<b>Lab ID:</b>	<b>25J1813-01</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
n-Butylbenzene	ND	ICVE	0.399	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
p- & m- Xylenes	ND	CAL-E	0.578	1.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
* p-Diethylbenzene	<b>0.460</b>		0.341	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
* p-Ethyltoluene	ND		0.200	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
tert-Amyl alcohol (TAA)	<b>228</b>		41.6	80.0	10	ug/L	EPA 8260D	11/3/25 8:06	11/4/25 15:32	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
tert-Butyl alcohol (TBA)	<b>10.6</b>		0.608	1.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Tetrachloroethylene	ND	CCVE, ICVE, QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB
Vinyl Chloride	<b>81.6</b>		4.69	5.00	10	ug/L	EPA 8260D	11/3/25 8:06	11/4/25 15:32	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 15:20	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	107 %		69-130	EPA 8260D	11/3/25 15:20
Surrogate: SURRE: Toluene-d8	112 %		81-117	EPA 8260D	11/3/25 15:20
Surrogate: SURRE: p-Bromofluorobenzene	110 %		79-122	EPA 8260D	11/3/25 15:20



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	HANGER_E_MW-1	<b>Collection Date/Time:</b>	10/29/25 11:00

<b>Lab ID:</b>	<b>25J1813-01</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Semivolatile Organic Compounds by GC/MS/SIM</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 3535A		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,4-Dioxane	<b>1070</b>		4.00	6.00	20	ug/L	EPA 8270E SIM	10/31/25 8:22	11/6/25 14:15	ss

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
<i>Surrogate: 1,4-Dioxane-d8</i>	%	<i>S-Diox</i>	36.6-118	EPA 8270E SIM	11/6/25 14:15

<b>Lab ID:</b>	<b>25J1813-01</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.74	1.93	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluorohexanoic acid (PFHxA)	<b>869</b>		5.00	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:30	AM
Perfluoroheptanoic acid (PFHpA)	<b>405</b>		0.763	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluorohexanesulfonic acid (PFHxS)	<b>4.58</b>		0.969	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluorooctanoic acid (PFOA)	<b>194</b>		1.09	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluorooctanesulfonic acid (PFOS)	<b>17.0</b>		0.828	2.03	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluorononanoic acid (PFNA)	<b>24.3</b>		1.08	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluorodecanoic acid (PFDA)	<b>0.777</b>	J	0.621	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.773	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluorododecanoic acid (PFDoA)	ND		0.654	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluorotridecanoic acid (PFTTrDA)	ND		1.31	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.72	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
N-MeFOSAA	ND		0.545	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
N-EtFOSAA	ND		5.45	5.45	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoropentanoic acid (PFPeA)	<b>3060</b>		8.90	40.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:30	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.403	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.338	2.08	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.675	2.10	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	<b>233</b>		5.45	8.28	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	HANGER_E_MW-1	<b>Collection Date/Time:</b>	10/29/25 11:00

<b>Lab ID:</b>	<b>25J1813-01</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	<b>19.8</b>		2.45	8.37	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoro-n-butanoic acid (PFBA)	<b>444</b>		1.78	8.71	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.545	3.88	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		3.27	4.36	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.763	4.36	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.53	4.36	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.817	2.05	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	<b>9.49</b>		3.07	8.17	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
HFPO-DA (Gen-X)	ND		5.45	8.71	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
11CL-PF3OUdS	ND		2.43	8.24	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
9CL-PF3ONS	ND		3.00	8.15	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
ADONA	ND		3.24	8.24	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.969	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.817	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.57	10.9	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		27.2	54.5	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		25.1	54.5	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
N-MeFOSE	ND		7.73	21.8	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
N-MeFOSA	ND		2.18	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
N-EtFOSE	ND		7.93	21.8	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM
N-EtFOSA	ND		1.14	2.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:16	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	104 %		40-135	EPA 1633A	11/2/25 22:30
Surrogate: M3PFBS	119 %		40-135	EPA 1633A	11/2/25 22:16
Surrogate: M5PFHxA	101 %		40-130	EPA 1633A	11/2/25 22:30
Surrogate: M5PFHxA	105 %		40-130	EPA 1633A	11/2/25 22:16
Surrogate: M4PFHpA	108 %		40-130	EPA 1633A	11/2/25 22:30
Surrogate: M4PFHpA	139 %	PFSu-H	40-130	EPA 1633A	11/2/25 22:16
Surrogate: M3PFHxS	108 %		40-130	EPA 1633A	11/2/25 22:30



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	HANGER_E_MW-1	<b>Collection Date/Time:</b>	10/29/25 11:00

<b>Lab ID:</b>	<b>25J1813-01</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFHxS	114 %		40-130	EPA 1633A	11/2/25 22:16
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	98.6 %		40-130	EPA 1633A	11/2/25 22:30
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	100 %		40-130	EPA 1633A	11/2/25 22:16
Surrogate: M6PFDA	94.6 %		40-130	EPA 1633A	11/2/25 22:30
Surrogate: M6PFDA	81.7 %		40-130	EPA 1633A	11/2/25 22:16
Surrogate: M7PFUdA	79.8 %		30-130	EPA 1633A	11/2/25 22:30
Surrogate: M7PFUdA	70.2 %		30-130	EPA 1633A	11/2/25 22:16
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	44.9 %		10-130	EPA 1633A	11/2/25 22:16
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	57.2 %		10-130	EPA 1633A	11/2/25 22:30
Surrogate: M2PFTeDA	38.0 %		10-130	EPA 1633A	11/2/25 22:30
Surrogate: M2PFTeDA	27.1 %		10-130	EPA 1633A	11/2/25 22:16
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	94.2 %		5-130	EPA 1633A	11/2/25 22:30
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	58.4 %		5-130	EPA 1633A	11/2/25 22:16
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	112 %		40-130	EPA 1633A	11/2/25 22:30
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	88.9 %		40-130	EPA 1633A	11/2/25 22:16
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	95.4 %		40-130	EPA 1633A	11/2/25 22:30
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	64.6 %		40-130	EPA 1633A	11/2/25 22:16
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	119 %		40-130	EPA 1633A	11/2/25 22:30
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	84.7 %		40-130	EPA 1633A	11/2/25 22:16
Surrogate: d3-N-MeFOSAA	94.9 %		40-170	EPA 1633A	11/2/25 22:30
Surrogate: d3-N-MeFOSAA	72.3 %		40-170	EPA 1633A	11/2/25 22:16
Surrogate: d5-N-EtFOSAA	77.8 %		25-135	EPA 1633A	11/2/25 22:30
Surrogate: d5-N-EtFOSAA	65.6 %		25-135	EPA 1633A	11/2/25 22:16
Surrogate: M2-6:2 FTS	123 %		40-200	EPA 1633A	11/2/25 22:30
Surrogate: M2-6:2 FTS	161 %		40-200	EPA 1633A	11/2/25 22:16
Surrogate: M2-8:2 FTS	117 %		40-300	EPA 1633A	11/2/25 22:30
Surrogate: M2-8:2 FTS	133 %		40-300	EPA 1633A	11/2/25 22:16
Surrogate: M9PFNA	106 %		40-130	EPA 1633A	11/2/25 22:30
Surrogate: M9PFNA	95.6 %		40-130	EPA 1633A	11/2/25 22:16
Surrogate: M2-4:2 FTS	140 %		40-200	EPA 1633A	11/2/25 22:30
Surrogate: M2-4:2 FTS	174 %		40-200	EPA 1633A	11/2/25 22:16
Surrogate: d-N-MeFOSA	83.3 %		10-130	EPA 1633A	11/2/25 22:30



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	HANGER_E_MW-1	<b>Collection Date/Time:</b>	10/29/25 11:00

<b>Lab ID:</b>	<b>25J1813-01</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d-N-MeFOSA	42.6 %		10-130	EPA 1633A	11/2/25 22:16
Surrogate: d-N-EtFOSA	67.0 %		10-130	EPA 1633A	11/2/25 22:30
Surrogate: d-N-EtFOSE	35.2 %		10-130	EPA 1633A	11/2/25 22:16
Surrogate: M3HFPO-DA	101 %		40-130	EPA 1633A	11/2/25 22:30
Surrogate: M3HFPO-DA	142 %	PFSu-H	40-130	EPA 1633A	11/2/25 22:16
Surrogate: d9-N-EtFOSE	52.5 %		10-130	EPA 1633A	11/2/25 22:30
Surrogate: d9-N-EtFOSE	35.6 %		10-130	EPA 1633A	11/2/25 22:16
Surrogate: d7-N-MeFOSE	59.1 %		10-130	EPA 1633A	11/2/25 22:30
Surrogate: d7-N-MeFOSE	42.1 %		10-130	EPA 1633A	11/2/25 22:16

<b>Lab ID:</b>	<b>25J1813-01</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Gas Chromatography/Flame Ionization Detector</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: Preparation for GC Analysis		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
* Ethylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	11/2/25 7:59	11/2/25 10:06	GXB
* Propylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	11/2/25 7:59	11/2/25 10:06	GXB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: 1,4-Butanediol			30-130	GC/FID	11/2/25 10:06

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	HANGER_E_MW-4	<b>Collection Date/Time:</b>	10/29/25 10:40

<b>Lab ID:</b>	<b>25J1813-02</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.69	1.87	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluorohexanoic acid (PFHxA)	<b>578</b>		0.527	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoroheptanoic acid (PFHpA)	<b>571</b>		0.738	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluorohexanesulfonic acid (PFHxS)	<b>17.0</b>		0.939	1.93	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	HANGER_E_MW-4	<b>Collection Date/Time:</b>	10/29/25 10:40

<b>Lab ID:</b>	<b>25J1813-02</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorooctanoic acid (PFOA)	376		1.05	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluorooctanesulfonic acid (PFOS)	131		0.802	1.96	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluorononanoic acid (PFNA)	74.9		1.04	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluorodecanoic acid (PFDA)	8.57		0.601	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.749	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluorododecanoic acid (PFDoA)	ND		0.633	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluorotridecanoic acid (PFTrDA)	2.05	J	1.27	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.67	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
N-MeFOSAA	ND		0.527	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
N-EtFOSAA	ND		5.27	5.27	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoropentanoic acid (PFPeA)	1240		0.939	4.22	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.390	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.327	2.01	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.654	2.04	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	1040		50.0	76.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:28	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	338		2.37	8.10	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoro-n-butanoic acid (PFBA)	262		1.72	8.44	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		0.527	3.76	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.16	4.22	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.738	4.22	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.48	4.22	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.791	1.98	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	9.26		2.97	7.91	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
HFPO-DA (Gen-X)	ND		5.27	8.44	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
11CL-PF3OUdS	ND		2.35	7.97	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
9CL-PF3ONS	ND		2.90	7.89	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	HANGER_E_MW-4	<b>Collection Date/Time:</b>	10/29/25 10:40

<b>Lab ID:</b>	<b>25J1813-02</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
ADONA	ND		3.13	7.97	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.939	2.05	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.791	2.03	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.49	10.5	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		26.4	52.7	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		24.3	52.7	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
N-MeFOSE	ND		7.49	21.1	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
N-MeFOSA	ND		2.11	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
N-EtFOSE	ND		7.68	21.1	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM
N-EtFOSA	ND		1.11	2.11	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 22:45	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	114 %		40-135	EPA 1633A	11/2/25 23:28
Surrogate: M3PFBS	126 %		40-135	EPA 1633A	11/2/25 22:45
Surrogate: M5PFHxA	104 %		40-130	EPA 1633A	11/2/25 23:28
Surrogate: M5PFHxA	124 %		40-130	EPA 1633A	11/2/25 22:45
Surrogate: M4PFHpA	106 %		40-130	EPA 1633A	11/2/25 23:28
Surrogate: M4PFHpA	137 %	PFSu-H	40-130	EPA 1633A	11/2/25 22:45
Surrogate: M3PFHxS	113 %		40-130	EPA 1633A	11/2/25 23:28
Surrogate: M3PFHxS	118 %		40-130	EPA 1633A	11/2/25 22:45
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	108 %		40-130	EPA 1633A	11/2/25 22:45
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	99.3 %		40-130	EPA 1633A	11/2/25 23:28
Surrogate: M6PFDA	86.9 %		40-130	EPA 1633A	11/2/25 23:28
Surrogate: M6PFDA	104 %		40-130	EPA 1633A	11/2/25 22:45
Surrogate: M7PFUdA	61.0 %		30-130	EPA 1633A	11/2/25 23:28
Surrogate: M7PFUdA	85.5 %		30-130	EPA 1633A	11/2/25 22:45
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	48.8 %		10-130	EPA 1633A	11/2/25 23:28
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	51.5 %		10-130	EPA 1633A	11/2/25 22:45
Surrogate: M2PFTeDA	29.6 %		10-130	EPA 1633A	11/2/25 23:28
Surrogate: M2PFTeDA	19.8 %		10-130	EPA 1633A	11/2/25 22:45
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	85.3 %		5-130	EPA 1633A	11/2/25 22:45



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	HANGER_E_MW-4	<b>Collection Date/Time:</b>	10/29/25 10:40

<b>Lab ID:</b>	<b>25J1813-02</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	99.5 %		5-130	EPA 1633A	11/2/25 23:28
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	104 %		40-130	EPA 1633A	11/2/25 23:28
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	125 %		40-130	EPA 1633A	11/2/25 22:45
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	90.3 %		40-130	EPA 1633A	11/2/25 22:45
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	100 %		40-130	EPA 1633A	11/2/25 23:28
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	91.1 %		40-130	EPA 1633A	11/2/25 23:28
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	123 %		40-130	EPA 1633A	11/2/25 22:45
Surrogate: d3-N-MeFOSAA	84.5 %		40-170	EPA 1633A	11/2/25 23:28
Surrogate: d3-N-MeFOSAA	99.7 %		40-170	EPA 1633A	11/2/25 22:45
Surrogate: d5-N-EtFOSAA	75.7 %		25-135	EPA 1633A	11/2/25 23:28
Surrogate: d5-N-EtFOSAA	88.4 %		25-135	EPA 1633A	11/2/25 22:45
Surrogate: M2-6:2 FTS	112 %		40-200	EPA 1633A	11/2/25 23:28
Surrogate: M2-6:2 FTS	104 %		40-200	EPA 1633A	11/2/25 22:45
Surrogate: M2-8:2 FTS	106 %		40-300	EPA 1633A	11/2/25 23:28
Surrogate: M2-8:2 FTS	114 %		40-300	EPA 1633A	11/2/25 22:45
Surrogate: M9PFNA	105 %		40-130	EPA 1633A	11/2/25 23:28
Surrogate: M9PFNA	123 %		40-130	EPA 1633A	11/2/25 22:45
Surrogate: M2-4:2 FTS	135 %		40-200	EPA 1633A	11/2/25 23:28
Surrogate: M2-4:2 FTS	190 %		40-200	EPA 1633A	11/2/25 22:45
Surrogate: d-N-MeFOSA	81.5 %		10-130	EPA 1633A	11/2/25 23:28
Surrogate: d-N-MeFOSA	47.1 %		10-130	EPA 1633A	11/2/25 22:45
Surrogate: d-N-EtFOSA	62.5 %		10-130	EPA 1633A	11/2/25 23:28
Surrogate: d-N-EtFOSA	38.4 %		10-130	EPA 1633A	11/2/25 22:45
Surrogate: M3HFPO-DA	103 %		40-130	EPA 1633A	11/2/25 23:28
Surrogate: M3HFPO-DA	159 %	PFSu-H	40-130	EPA 1633A	11/2/25 22:45
Surrogate: d9-N-EtFOSE	39.9 %		10-130	EPA 1633A	11/2/25 23:28
Surrogate: d9-N-EtFOSE	39.5 %		10-130	EPA 1633A	11/2/25 22:45
Surrogate: d7-N-MeFOSE	49.2 %		10-130	EPA 1633A	11/2/25 23:28
Surrogate: d7-N-MeFOSE	52.2 %		10-130	EPA 1633A	11/2/25 22:45



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-75	<b>Collection Date/Time:</b>	10/29/25 11:50

<b>Lab ID:</b>	<b>25J1813-03</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,1,1-Trichloroethane	<b>0.550</b>		0.266	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,1-Dichloroethane	<b>17.6</b>		0.272	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,1-Dichloroethylene	<b>2.60</b>		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Acetone	<b>1.63</b>		1.34	2.00	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Acrolein	ND		0.447	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-75	<b>Collection Date/Time:</b>	10/29/25 11:50

<b>Lab ID:</b>	<b>25J1813-03</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Bromomethane	ND		0.500	2.00	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
cis-1,2-Dichloroethylene	<b>13.3</b>		0.294	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Dichlorodifluoromethane	ND		0.451	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
* Iodomethane	ND	CCVE, QL-02	0.500	2.00	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-75	<b>Collection Date/Time:</b>	10/29/25 11:50

<b>Lab ID:</b>	<b>25J1813-03</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
n-Butylbenzene	ND		0.399	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
* p-Ethyltoluene	ND		0.200	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Tetrachloroethylene	ND	QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Trichloroethylene	<b>1.36</b>		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Vinyl Chloride	<b>6.21</b>		0.469	0.500	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/6/25 7:58	11/6/25 14:45	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURR: 1,2-Dichloroethane-d4	100 %		69-130	EPA 8260D	11/6/25 14:45
Surrogate: SURR: Toluene-d8	103 %		81-117	EPA 8260D	11/6/25 14:45
Surrogate: SURR: p-Bromofluorobenzene	106 %		79-122	EPA 8260D	11/6/25 14:45



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-75	<b>Collection Date/Time:</b>	10/29/25 11:50

<b>Lab ID:</b>	<b>25J1813-03</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Semivolatile Organic Compounds by GC/MS/SIM</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 3535A		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,4-Dioxane	8.19		0.200	0.300	1	ug/L	EPA 8270E SIM	11/4/25 9:14	11/6/25 15:42	ss
<b>Surrogate Recoveries</b>	<b>Result</b>	<b>Flag</b>	<b>Acceptance Range</b>		<b>Reference</b>	<b>Analyzed</b>				
<i>Surrogate: 1,4-Dioxane-d8</i>	84.0 %		36.6-118		EPA 8270E SIM	11/6/25 15:42				

<b>Lab ID:</b>	<b>25J1813-03</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	3.55		1.67	1.84	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluorohexanoic acid (PFHxA)	21.5		0.521	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoroheptanoic acid (PFHpA)	15.1		0.729	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluorohexanesulfonic acid (PFHxS)	25.2		0.927	1.91	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluorooctanoic acid (PFOA)	16.5		1.04	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluorooctanesulfonic acid (PFOS)	107		0.792	1.94	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluorononanoic acid (PFNA)	13.2		1.03	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluorodecanoic acid (PFDA)	1.62	J	0.594	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.740	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluorododecanoic acid (PFDoA)	ND		0.625	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.25	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.65	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
N-MeFOSAA	ND		0.521	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
N-EtFOSAA	ND		5.21	5.21	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoropentanoic acid (PFPeA)	24.7		0.927	4.17	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.385	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.828	J	0.323	1.99	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.646	2.01	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.36	J	5.21	7.92	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-75	<b>Collection Date/Time:</b>	10/29/25 11:50

<b>Lab ID:</b>	<b>25J1813-03</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.34	8.00	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoro-n-butanoic acid (PFBA)	<b>14.4</b>		1.70	8.33	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.521	3.71	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.12	4.17	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.729	4.17	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.46	4.17	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoro-1-pentanesulfonate (PFPeS)	<b>2.86</b>		0.781	1.96	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.94	7.81	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
HFPO-DA (Gen-X)	ND		5.21	8.33	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
11CL-PF3OUdS	ND		2.32	7.88	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
9CL-PF3ONS	ND		2.86	7.79	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
ADONA	ND		3.09	7.88	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.927	2.02	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.781	2.00	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.46	10.4	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		26.0	52.1	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		24.0	52.1	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
N-MeFOSE	ND		7.40	20.8	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
N-MeFOSA	ND		2.08	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
N-EtFOSE	ND		7.58	20.8	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM
N-EtFOSA	ND		1.09	2.08	1	ng/L	EPA 1633A	11/5/25 12:47	11/6/25 19:48	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	100 %		40-135	EPA 1633A	11/6/25 19:48
Surrogate: M5PFHxA	82.8 %		40-130	EPA 1633A	11/6/25 19:48
Surrogate: M4PFHpA	77.5 %		40-130	EPA 1633A	11/6/25 19:48
Surrogate: M3PFHxS	89.3 %		40-130	EPA 1633A	11/6/25 19:48
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	77.9 %		40-130	EPA 1633A	11/6/25 19:48
Surrogate: M6PFDA	69.9 %		40-130	EPA 1633A	11/6/25 19:48



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-75	<b>Collection Date/Time:</b>	10/29/25 11:50

<b>Lab ID:</b>	<b>25J1813-03</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M7PFUdA	60.3 %		30-130	EPA 1633A	11/6/25 19:48
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	39.5 %		10-130	EPA 1633A	11/6/25 19:48
Surrogate: M2PFTeDA	15.4 %		10-130	EPA 1633A	11/6/25 19:48
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	72.6 %		5-130	EPA 1633A	11/6/25 19:48
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	85.1 %		40-130	EPA 1633A	11/6/25 19:48
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	84.4 %		40-130	EPA 1633A	11/6/25 19:48
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	91.7 %		40-130	EPA 1633A	11/6/25 19:48
Surrogate: d3-N-MeFOSAA	74.7 %		40-170	EPA 1633A	11/6/25 19:48
Surrogate: d5-N-EtFOSAA	74.8 %		25-135	EPA 1633A	11/6/25 19:48
Surrogate: M2-6:2 FTS	210 %	PFSu-H	40-200	EPA 1633A	11/6/25 19:48
Surrogate: M2-8:2 FTS	177 %		40-300	EPA 1633A	11/6/25 19:48
Surrogate: M9PFNA	80.5 %		40-130	EPA 1633A	11/6/25 19:48
Surrogate: M2-4:2 FTS	182 %		40-200	EPA 1633A	11/6/25 19:48
Surrogate: d-N-MeFOSA	35.9 %		10-130	EPA 1633A	11/6/25 19:48
Surrogate: d-N-EtFOSA	21.5 %		10-130	EPA 1633A	11/6/25 19:48
Surrogate: M3HFPO-DA	87.4 %		40-130	EPA 1633A	11/6/25 19:48
Surrogate: d9-N-EtFOSE	33.8 %		10-130	EPA 1633A	11/6/25 19:48
Surrogate: d7-N-MeFOSE	46.6 %		10-130	EPA 1633A	11/6/25 19:48

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-04</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-37	<b>Collection Date/Time:</b>	10/29/25 12:15

<b>Lab ID:</b>	<b>25J1813-04</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Gas Chromatography/Flame Ionization Detector</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: Preparation for GC Analysis		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
* Ethylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	11/2/25 7:59	11/2/25 10:21	GXB
* Propylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	11/2/25 7:59	11/2/25 10:21	GXB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: 1,4-Butanediol			30-130	GC/FID	11/2/25 10:21



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-04</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-37	<b>Collection Date/Time:</b>	10/29/25 12:15

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-64	<b>Collection Date/Time:</b>	10/29/25 13:30

<b>Lab ID:</b>	25J1813-05	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	Volatile Organic Compounds by GC/MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,2-Dichloroethane	<b>0.540</b>		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-64	<b>Collection Date/Time:</b>	10/29/25 13:30

<b>Lab ID:</b>	<b>25J1813-05</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Acetone	<b>168</b>	CAL-E	13.4	20.0	10	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 15:03	PMB
Acrolein	ND		0.447	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Bromomethane	ND		0.500	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Cyclohexane	<b>4.35</b>		0.491	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Dichlorodifluoromethane	ND		0.451	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
* Iodomethane	ND	QL-02	0.500	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-64	<b>Collection Date/Time:</b>	10/29/25 13:30

<b>Lab ID:</b>	<b>25J1813-05</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Methyl tert-butyl ether (MTBE)	<b>0.950</b>		0.244	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
n-Butylbenzene	ND		0.399	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
* p-Ethyltoluene	ND	QL-02	0.200	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
tert-Butyl alcohol (TBA)	<b>0.960</b>		0.608	1.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Tetrachloroethylene	ND	QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Vinyl Chloride	<b>1.52</b>		0.469	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:39	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURR: 1,2-Dichloroethane-d4	102 %		69-130	EPA 8260D	11/4/25 00:39



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-64	<b>Collection Date/Time:</b>	10/29/25 13:30

<b>Lab ID:</b>	<b>25J1813-05</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: Toluene-d8	116 %		81-117	EPA 8260D	11/ 4/25 00:39
Surrogate: SURRE: p-Bromofluorobenzene	102 %		79-122	EPA 8260D	11/ 4/25 00:39

<b>Lab ID:</b>	<b>25J1813-05</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	89.7		16.0	17.7	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluorohexanoic acid (PFHxA)	464		5.00	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluoroheptanoic acid (PFHpA)	220		7.00	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluorohexanesulfonic acid (PFHxS)	2190		8.90	18.3	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluorooctanoic acid (PFOA)	1630		10.0	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluorooctanesulfonic acid (PFOS)	8630		38.0	93.0	5	ng/L	EPA 1633A	10/31/25 11:57	11/ 5/25 13:18	AM
Perfluorononanoic acid (PFNA)	74.2		9.90	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluorodecanoic acid (PFDA)	8.76	J	5.70	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluoroundecanoic acid (PFUnA)	29.7		7.10	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluorododecanoic acid (PFDoA)	ND		6.00	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluorotridecanoic acid (PFTTrDA)	ND		12.0	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluorotetradecanoic acid (PFTA)	ND		15.8	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
N-MeFOSAA	ND		5.00	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
N-EtFOSAA	ND		50.0	50.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluoropentanoic acid (PFPeA)	544		8.90	40.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluoro-1-octanesulfonamide (FOSA)	99.9		3.70	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	131		3.10	19.1	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		6.20	19.3	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	645		50.0	76.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	199		22.5	76.8	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM
Perfluoro-n-butanoic acid (PFBA)	ND		16.3	80.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/ 2/25 23:57	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-64	<b>Collection Date/Time:</b>	10/29/25 13:30

<b>Lab ID:</b>	<b>25J1813-05</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		5.00	35.6	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		30.0	40.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		7.00	40.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		14.0	40.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
Perfluoro-1-pentanesulfonate (PFPeS)	<b>142</b>		7.50	18.8	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		28.2	75.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
HFPO-DA (Gen-X)	ND		50.0	80.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
11CL-PF3OUdS	ND		22.3	75.6	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
9CL-PF3ONS	ND		27.5	74.8	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
ADONA	ND		29.7	75.6	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		8.90	19.4	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		7.50	19.2	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		23.6	100	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		250	500	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		231	500	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
N-MeFOSE	ND		71.0	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
N-MeFOSA	ND		20.0	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
N-EtFOSE	ND		72.8	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM
N-EtFOSA	ND		10.5	20.0	1	ng/L	EPA 1633A	10/31/25 11:57	11/2/25 23:57	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	99.7 %		40-135	EPA 1633A	11/2/25 23:57
Surrogate: M3PFBS	104 %		40-135	EPA 1633A	11/5/25 13:18
Surrogate: M5PFHxA	101 %		40-130	EPA 1633A	11/2/25 23:57
Surrogate: M5PFHxA	88.9 %		40-130	EPA 1633A	11/5/25 13:18
Surrogate: M4PFHpA	110 %		40-130	EPA 1633A	11/2/25 23:57
Surrogate: M4PFHpA	87.2 %		40-130	EPA 1633A	11/5/25 13:18
Surrogate: M3PFHxS	97.9 %		40-130	EPA 1633A	11/2/25 23:57
Surrogate: M3PFHxS	109 %		40-130	EPA 1633A	11/5/25 13:18
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.8 %		40-130	EPA 1633A	11/5/25 13:18



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-64	<b>Collection Date/Time:</b>	10/29/25 13:30

<b>Lab ID:</b>	<b>25J1813-05</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	93.1 %		40-130	EPA 1633A	11/2/25 23:57
Surrogate: M6PFDA	93.0 %		40-130	EPA 1633A	11/2/25 23:57
Surrogate: M6PFDA	81.1 %		40-130	EPA 1633A	11/5/25 13:18
Surrogate: M7PFUdA	85.2 %		30-130	EPA 1633A	11/2/25 23:57
Surrogate: M7PFUdA	69.4 %		30-130	EPA 1633A	11/5/25 13:18
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	40.0 %		10-130	EPA 1633A	11/5/25 13:18
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	61.0 %		10-130	EPA 1633A	11/2/25 23:57
Surrogate: M2PFTeDA	35.3 %		10-130	EPA 1633A	11/2/25 23:57
Surrogate: M2PFTeDA	34.3 %		10-130	EPA 1633A	11/5/25 13:18
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.60 %	PFSu-L	5-130	EPA 1633A	11/5/25 13:18
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	2.84 %	PFSu-L	5-130	EPA 1633A	11/2/25 23:57
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	83.3 %		40-130	EPA 1633A	11/5/25 13:18
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	101 %		40-130	EPA 1633A	11/2/25 23:57
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	61.9 %		40-130	EPA 1633A	11/5/25 13:18
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	73.4 %		40-130	EPA 1633A	11/2/25 23:57
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	132 %	PFSu-H	40-130	EPA 1633A	11/2/25 23:57
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	97.7 %		40-130	EPA 1633A	11/5/25 13:18
Surrogate: d3-N-MeFOSAA	81.7 %		40-170	EPA 1633A	11/2/25 23:57
Surrogate: d3-N-MeFOSAA	76.1 %		40-170	EPA 1633A	11/5/25 13:18
Surrogate: d5-N-EtFOSAA	86.9 %		25-135	EPA 1633A	11/2/25 23:57
Surrogate: d5-N-EtFOSAA	70.6 %		25-135	EPA 1633A	11/5/25 13:18
Surrogate: M2-6:2 FTS	113 %		40-200	EPA 1633A	11/2/25 23:57
Surrogate: M2-6:2 FTS	132 %		40-200	EPA 1633A	11/5/25 13:18
Surrogate: M2-8:2 FTS	103 %		40-300	EPA 1633A	11/2/25 23:57
Surrogate: M2-8:2 FTS	93.0 %		40-300	EPA 1633A	11/5/25 13:18
Surrogate: M9PFNA	101 %		40-130	EPA 1633A	11/2/25 23:57
Surrogate: M9PFNA	88.6 %		40-130	EPA 1633A	11/5/25 13:18
Surrogate: M2-4:2 FTS	139 %		40-200	EPA 1633A	11/2/25 23:57
Surrogate: M2-4:2 FTS	119 %		40-200	EPA 1633A	11/5/25 13:18
Surrogate: d-N-MeFOSA	88.1 %		10-130	EPA 1633A	11/2/25 23:57
Surrogate: d-N-MeFOSA	64.0 %		10-130	EPA 1633A	11/5/25 13:18
Surrogate: d-N-EtFOSA	79.9 %		10-130	EPA 1633A	11/2/25 23:57



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	MW-64	<b>Collection Date/Time:</b>	10/29/25 13:30

<b>Lab ID:</b>	<b>25J1813-05</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d-N-EtFOSA	63.6 %		10-130	EPA 1633A	11/5/25 13:18
Surrogate: M3HFPO-DA	103 %		40-130	EPA 1633A	11/2/25 23:57
Surrogate: M3HFPO-DA	110 %		40-130	EPA 1633A	11/5/25 13:18
Surrogate: d9-N-EtFOSE	45.5 %		10-130	EPA 1633A	11/2/25 23:57
Surrogate: d9-N-EtFOSE	33.5 %		10-130	EPA 1633A	11/5/25 13:18
Surrogate: d7-N-MeFOSE	61.0 %		10-130	EPA 1633A	11/2/25 23:57
Surrogate: d7-N-MeFOSE	50.0 %		10-130	EPA 1633A	11/5/25 13:18

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-06</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-24	<b>Collection Date/Time:</b>	10/29/25 14:10

<b>Lab ID:</b>	<b>25J1813-06</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.78	1.97	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluorohexanoic acid (PFHxA)	<b>2.38</b>		0.557	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoroheptanoic acid (PFHpA)	<b>2.74</b>		0.780	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluorohexanesulfonic acid (PFHxS)	<b>5.02</b>		0.991	2.04	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluorooctanoic acid (PFOA)	<b>16.8</b>		1.11	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluorooctanesulfonic acid (PFOS)	<b>26.8</b>		0.846	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluorononanoic acid (PFNA)	<b>1.70</b>	J	1.10	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluorodecanoic acid (PFDA)	ND		0.635	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.791	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluorododecanoic acid (PFDoA)	ND		0.668	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluorotridecanoic acid (PFTTrDA)	ND		1.34	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.76	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
N-MeFOSAA	ND		0.557	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
N-EtFOSAA	ND		5.57	5.57	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-06</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-24	<b>Collection Date/Time:</b>	10/29/25 14:10

<b>Lab ID:</b>	25J1813-06	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluoropentanoic acid (PFPeA)	1.87	J	0.991	4.45	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.412	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.345	2.13	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.690	2.15	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5.57	8.46	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.51	8.55	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoro-n-butanoic acid (PFBA)	3.80	J	1.82	8.91	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.557	3.96	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.34	4.45	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.780	4.45	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.56	4.45	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.835	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		3.14	8.35	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
HFPO-DA (Gen-X)	ND		5.57	8.91	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
11CL-PF3OUdS	ND		2.48	8.42	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
9CL-PF3ONS	ND		3.06	8.33	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
ADONA	ND		3.31	8.42	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.991	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.835	2.14	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.63	11.1	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		27.8	55.7	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		25.7	55.7	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
N-MeFOSE	ND		7.91	22.3	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
N-MeFOSA	ND		2.23	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
N-EtFOSE	ND		8.11	22.3	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM
N-EtFOSA	ND		1.17	2.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:11	AM



**Client:** WSP USA, Inc. (White Plains, NY) **York Sample ID:** 25J1813-06  
**Client Project:** Westchester County Airport (WCA) **Date Received:** 10/30/2025  
**Client Sample ID:** FMW-24 **Collection Date/Time:** 10/29/25 14:10

**Lab ID:** 25J1813-06 **Laboratory:** Queens  
**Analysis:** PFAS Target compounds by LC/MS-MS **Matrix:** Ground Water  
**Prep Method:** Sample Prepared by Method: EPA 1633 Prep

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	100 %		40-135	EPA 1633A	11/3/25 00:11
Surrogate: M5PFHxA	88.7 %		40-130	EPA 1633A	11/3/25 00:11
Surrogate: M4PFHpA	105 %		40-130	EPA 1633A	11/3/25 00:11
Surrogate: M3PFHxS	95.1 %		40-130	EPA 1633A	11/3/25 00:11
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	85.4 %		40-130	EPA 1633A	11/3/25 00:11
Surrogate: M6PFDA	82.2 %		40-130	EPA 1633A	11/3/25 00:11
Surrogate: M7PFUDa	68.3 %		30-130	EPA 1633A	11/3/25 00:11
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	61.1 %		10-130	EPA 1633A	11/3/25 00:11
Surrogate: M2PFTeDA	39.8 %		10-130	EPA 1633A	11/3/25 00:11
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	88.4 %		5-130	EPA 1633A	11/3/25 00:11
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	85.8 %		40-130	EPA 1633A	11/3/25 00:11
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	86.7 %		40-130	EPA 1633A	11/3/25 00:11
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	93.7 %		40-130	EPA 1633A	11/3/25 00:11
Surrogate: d3-N-MeFOSAA	68.5 %		40-170	EPA 1633A	11/3/25 00:11
Surrogate: d5-N-EtFOSAA	67.6 %		25-135	EPA 1633A	11/3/25 00:11
Surrogate: M2-6:2 FTS	112 %		40-200	EPA 1633A	11/3/25 00:11
Surrogate: M2-8:2 FTS	91.6 %		40-300	EPA 1633A	11/3/25 00:11
Surrogate: M9PFNA	95.2 %		40-130	EPA 1633A	11/3/25 00:11
Surrogate: M2-4:2 FTS	116 %		40-200	EPA 1633A	11/3/25 00:11
Surrogate: d-N-MeFOSA	55.0 %		10-130	EPA 1633A	11/3/25 00:11
Surrogate: d-N-EtFOSA	50.5 %		10-130	EPA 1633A	11/3/25 00:11
Surrogate: M3HFPO-DA	95.2 %		40-130	EPA 1633A	11/3/25 00:11
Surrogate: d9-N-EtFOSE	47.9 %		10-130	EPA 1633A	11/3/25 00:11
Surrogate: d7-N-MeFOSE	52.2 %		10-130	EPA 1633A	11/3/25 00:11

**Client:** WSP USA, Inc. (White Plains, NY) **York Sample ID:** 25J1813-07  
**Client Project:** Westchester County Airport (WCA) **Date Received:** 10/30/2025  
**Client Sample ID:** FMW-2R **Collection Date/Time:** 10/29/25 14:30

**Lab ID:** 25J1813-07 **Laboratory:** Queens  
**Analysis:** PFAS Target compounds by LC/MS-MS **Matrix:** Ground Water  
**Prep Method:** Sample Prepared by Method: EPA 1633 Prep



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-2R	<b>Collection Date/Time:</b>	10/29/25 14:30

<b>Lab ID:</b>	25J1813-07	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	1.86	J	1.73	1.92	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluorohexanoic acid (PFHxA)	2.16	J	0.541	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoroheptanoic acid (PFHpA)	2.74		0.758	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluorohexanesulfonic acid (PFHxS)	1.89	J	0.963	1.98	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluorooctanoic acid (PFOA)	12.2		1.08	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluorooctanesulfonic acid (PFOS)	5.78		0.823	2.01	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluorononanoic acid (PFNA)	ND		1.07	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluorodecanoic acid (PFDA)	ND		0.617	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.768	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluorododecanoic acid (PFDoA)	ND		0.649	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.30	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.71	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
N-MeFOSAA	ND		0.541	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
N-EtFOSAA	ND		5.41	5.41	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoropentanoic acid (PFPeA)	2.06	J	0.963	4.33	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.400	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.335	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.671	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5.41	8.23	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.44	8.31	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoro-n-butanoic acid (PFBA)	5.71	J	1.76	8.66	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.541	3.85	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.25	4.33	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.758	4.33	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.52	4.33	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.812	2.03	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1813-07
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/30/2025
<b>Client Sample ID:</b> FMW-2R	<b>Collection Date/Time:</b> 10/29/25 14:30

<b>Lab ID:</b> 25J1813-07	<b>Laboratory:</b> Queens
<b>Analysis:</b> PFAS Target compounds by LC/MS-MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 1633 Prep	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		3.05	8.12	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
HFPO-DA (Gen-X)	ND		5.41	8.66	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
11CL-PF3OUdS	ND		2.41	8.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
9CL-PF3ONS	ND		2.98	8.10	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
ADONA	ND		3.21	8.18	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.963	2.10	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.812	2.08	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.55	10.8	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		27.1	54.1	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		25.0	54.1	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
N-MeFOSE	ND		7.68	21.6	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
N-MeFOSA	ND		2.16	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
N-EtFOSE	ND		7.88	21.6	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM
N-EtFOSA	ND		1.14	2.16	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:25	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	85.5 %		40-135	EPA 1633A	11/3/25 00:25
Surrogate: M5PFHxA	90.9 %		40-130	EPA 1633A	11/3/25 00:25
Surrogate: M4PFHpA	101 %		40-130	EPA 1633A	11/3/25 00:25
Surrogate: M3PFHxS	87.7 %		40-130	EPA 1633A	11/3/25 00:25
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	79.0 %		40-130	EPA 1633A	11/3/25 00:25
Surrogate: M6PFDA	72.2 %		40-130	EPA 1633A	11/3/25 00:25
Surrogate: M7PFUdA	52.9 %		30-130	EPA 1633A	11/3/25 00:25
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	36.0 %		10-130	EPA 1633A	11/3/25 00:25
Surrogate: M2PFTeDA	19.3 %		10-130	EPA 1633A	11/3/25 00:25
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	21.2 %		5-130	EPA 1633A	11/3/25 00:25
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	86.6 %		40-130	EPA 1633A	11/3/25 00:25
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	76.0 %		40-130	EPA 1633A	11/3/25 00:25
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	90.1 %		40-130	EPA 1633A	11/3/25 00:25
Surrogate: d3-N-MeFOSAA	63.9 %		40-170	EPA 1633A	11/3/25 00:25



**Client:** WSP USA, Inc. (White Plains, NY) **York Sample ID:** 25J1813-07  
**Client Project:** Westchester County Airport (WCA) **Date Received:** 10/30/2025  
**Client Sample ID:** FMW-2R **Collection Date/Time:** 10/29/25 14:30

**Lab ID:** 25J1813-07 **Laboratory:** Queens  
**Analysis:** PFAS Target compounds by LC/MS-MS **Matrix:** Ground Water  
**Prep Method:** Sample Prepared by Method: EPA 1633 Prep

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d5-N-EtFOSAA	53.7 %		25-135	EPA 1633A	11/3/25 00:25
Surrogate: M2-6:2 FTS	101 %		40-200	EPA 1633A	11/3/25 00:25
Surrogate: M2-8:2 FTS	75.4 %		40-300	EPA 1633A	11/3/25 00:25
Surrogate: M9PFNA	85.6 %		40-130	EPA 1633A	11/3/25 00:25
Surrogate: M2-4:2 FTS	97.1 %		40-200	EPA 1633A	11/3/25 00:25
Surrogate: d-N-MeFOSA	42.5 %		10-130	EPA 1633A	11/3/25 00:25
Surrogate: d-N-EtFOSA	38.8 %		10-130	EPA 1633A	11/3/25 00:25
Surrogate: M3HFPO-DA	95.0 %		40-130	EPA 1633A	11/3/25 00:25
Surrogate: d9-N-EtFOSE	27.5 %		10-130	EPA 1633A	11/3/25 00:25
Surrogate: d7-N-MeFOSE	35.4 %		10-130	EPA 1633A	11/3/25 00:25

**Client:** WSP USA, Inc. (White Plains, NY) **York Sample ID:** 25J1813-08  
**Client Project:** Westchester County Airport (WCA) **Date Received:** 10/30/2025  
**Client Sample ID:** FMW-39 **Collection Date/Time:** 10/29/25 15:15

**Lab ID:** 25J1813-08 **Laboratory:** Stratford  
**Analysis:** Volatile Organic Compounds by GC/MS **Matrix:** Ground Water  
**Prep Method:** Sample Prepared by Method: EPA 5030B

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-39	<b>Collection Date/Time:</b>	10/29/25 15:15

<b>Lab ID:</b>	<b>25J1813-08</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Acetone	<b>4.25</b>		1.34	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Acrolein	<b>0.710</b>		0.447	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Bromomethane	ND		0.500	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-39	<b>Collection Date/Time:</b>	10/29/25 15:15

<b>Lab ID:</b>	<b>25J1813-08</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Dichlorodifluoromethane	ND		0.451	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
* Iodomethane	ND	QL-02	0.500	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
n-Butylbenzene	ND		0.399	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
* p-Ethyltoluene	ND	QL-02	0.200	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Tetrachloroethylene	ND	QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-39	<b>Collection Date/Time:</b>	10/29/25 15:15

<b>Lab ID:</b>	<b>25J1813-08</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Toluene	<b>7.53</b>		0.346	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 01:09	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	101 %		69-130	EPA 8260D	11/4/25 01:09
Surrogate: SURRE: Toluene-d8	114 %		81-117	EPA 8260D	11/4/25 01:09
Surrogate: SURRE: p-Bromofluorobenzene	102 %		79-122	EPA 8260D	11/4/25 01:09

<b>Lab ID:</b>	<b>25J1813-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	<b>0.931</b>	J	0.814	1.85	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluorobutanesulfonic acid (PFBS)	ND		160	177	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluorohexanoic acid (PFHxA)	<b>1.93</b>	J	0.376	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluorohexanoic acid (PFHxA)	ND		50.0	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoroheptanoic acid (PFHpA)	<b>1.66</b>	J	0.731	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoroheptanoic acid (PFHpA)	ND		70.0	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluorohexanesulfonic acid (PFHxS)	<b>1.50</b>	J	0.929	1.91	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluorohexanesulfonic acid (PFHxS)	ND		89.0	183	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluorooctanoic acid (PFOA)	<b>3.81</b>		0.824	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluorooctanoic acid (PFOA)	ND		100	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluorooctanesulfonic acid (PFOS)	<b>8.93</b>		0.793	1.94	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-39	<b>Collection Date/Time:</b>	10/29/25 15:15

<b>Lab ID:</b>	<b>25J1813-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorooctanesulfonic acid (PFOS)	ND		76.0	186	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluorononanoic acid (PFNA)	ND		1.03	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluorononanoic acid (PFNA)	ND		99.0	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluorodecanoic acid (PFDA)	ND		0.595	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluorodecanoic acid (PFDA)	ND		57.0	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.741	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoroundecanoic acid (PFUnA)	ND		71.0	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluorododecanoic acid (PFDoA)	ND		0.626	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluorododecanoic acid (PFDoA)	ND		60.0	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluorotridecanoic acid (PFTTrDA)	<b>1.76</b>	J	1.25	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluorotridecanoic acid (PFTTrDA)	ND		120	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.65	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluorotetradecanoic acid (PFTA)	ND		158	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
N-MeFOSAA	ND		0.522	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
N-MeFOSAA	ND		50.0	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
N-EtFOSAA	ND		1.10	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
N-EtFOSAA	ND		500	500	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoropentanoic acid (PFPeA)	<b>3.67</b>	J	0.929	4.17	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoropentanoic acid (PFPeA)	ND		89.0	400	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.386	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		37.0	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.324	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		31.0	191	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.647	2.01	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		62.0	193	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		2.42	7.93	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-39	<b>Collection Date/Time:</b>	10/29/25 15:15

<b>Lab ID:</b>	<b>25J1813-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		500	760	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.35	8.02	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		225	768	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoro-n-butanoic acid (PFBA)	<b>1.72</b>	J	1.70	8.35	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoro-n-butanoic acid (PFBA)	ND		163	800	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.522	3.72	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		50.0	356	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		3.13	4.17	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		300	400	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.731	4.17	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		70.0	400	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.46	4.17	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		140	400	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.783	1.96	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		75.0	188	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.94	7.83	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		282	750	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
HFPO-DA (Gen-X)	ND	PF-LCS-L	3.28	8.35	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
HFPO-DA (Gen-X)	ND		500	800	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
11CL-PF30UdS	ND		2.33	7.89	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
11CL-PF30UdS	ND		223	756	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
9CL-PF30NS	ND	PF-LCS-L	2.87	7.81	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
9CL-PF30NS	ND		275	748	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
ADONA	ND		3.10	7.89	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
ADONA	ND		297	756	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.929	2.02	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-39	<b>Collection Date/Time:</b>	10/29/25 15:15

<b>Lab ID:</b>	<b>25J1813-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorododecanesulfonic acid (PFDoS)	ND		89.0	194	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.783	2.00	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		75.0	192	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.46	10.4	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		236	1000	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		7.02	52.2	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		2500	5000	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		24.1	52.2	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		2310	5000	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
N-MeFOSE	ND		7.41	20.9	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
N-MeFOSE	ND		710	2000	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
N-MeFOSA	ND		0.741	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
N-MeFOSA	ND		200	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
N-EtFOSE	ND		7.60	20.9	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
N-EtFOSE	ND		728	2000	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM
N-EtFOSA	ND		1.10	2.09	1	ng/L	EPA 1633A	10/31/25 11:57	11/24/25 03:26	AM
N-EtFOSA	ND		105	200	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 00:54	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	139 %	PFSu-H	40-135	EPA 1633A	11/24/25 03:26
Surrogate: M3PFBS	104 %		40-135	EPA 1633A	11/3/25 00:54
Surrogate: M5PFHxA	131 %	PFSu-H	40-130	EPA 1633A	11/24/25 03:26
Surrogate: M5PFHxA	98.4 %		40-130	EPA 1633A	11/3/25 00:54
Surrogate: M4PFHpA	107 %		40-130	EPA 1633A	11/24/25 03:26
Surrogate: M4PFHpA	102 %		40-130	EPA 1633A	11/3/25 00:54
Surrogate: M3PFHxS	134 %	PFSu-H	40-130	EPA 1633A	11/24/25 03:26
Surrogate: M3PFHxS	109 %		40-130	EPA 1633A	11/3/25 00:54
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	130 %	PFSu-H	40-130	EPA 1633A	11/24/25 03:26
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	91.9 %		40-130	EPA 1633A	11/3/25 00:54
Surrogate: M6PFDA	112 %		40-130	EPA 1633A	11/24/25 03:26
Surrogate: M6PFDA	97.2 %		40-130	EPA 1633A	11/3/25 00:54



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-39	<b>Collection Date/Time:</b>	10/29/25 15:15

<b>Lab ID:</b>	<b>25J1813-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M7PFUdA	90.7 %		30-130	EPA 1633A	11/24/25 03:26
Surrogate: M7PFUdA	92.7 %		30-130	EPA 1633A	11/3/25 00:54
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	54.1 %		10-130	EPA 1633A	11/24/25 03:26
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	69.1 %		10-130	EPA 1633A	11/3/25 00:54
Surrogate: M2PFTeDA	33.2 %		10-130	EPA 1633A	11/24/25 03:26
Surrogate: M2PFTeDA	40.0 %		10-130	EPA 1633A	11/3/25 00:54
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	129 %		5-130	EPA 1633A	11/24/25 03:26
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	98.8 %		5-130	EPA 1633A	11/3/25 00:54
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	114 %		40-130	EPA 1633A	11/24/25 03:26
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	110 %		40-130	EPA 1633A	11/3/25 00:54
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	145 %	PFSu-H	40-130	EPA 1633A	11/24/25 03:26
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	93.6 %		40-130	EPA 1633A	11/3/25 00:54
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	99.7 %		40-130	EPA 1633A	11/24/25 03:26
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	124 %		40-130	EPA 1633A	11/3/25 00:54
Surrogate: d3-N-MeFOSAA	103 %		40-170	EPA 1633A	11/24/25 03:26
Surrogate: d3-N-MeFOSAA	103 %		40-170	EPA 1633A	11/3/25 00:54
Surrogate: d5-N-EtFOSAA	91.5 %		25-135	EPA 1633A	11/24/25 03:26
Surrogate: d5-N-EtFOSAA	103 %		25-135	EPA 1633A	11/3/25 00:54
Surrogate: M2-6:2 FTS	160 %		40-200	EPA 1633A	11/24/25 03:26
Surrogate: M2-6:2 FTS	115 %		40-200	EPA 1633A	11/3/25 00:54
Surrogate: M2-8:2 FTS	122 %		40-300	EPA 1633A	11/24/25 03:26
Surrogate: M2-8:2 FTS	112 %		40-300	EPA 1633A	11/3/25 00:54
Surrogate: M9PFNA	120 %		40-130	EPA 1633A	11/24/25 03:26
Surrogate: M9PFNA	97.8 %		40-130	EPA 1633A	11/3/25 00:54
Surrogate: M2-4:2 FTS	179 %		40-200	EPA 1633A	11/24/25 03:26
Surrogate: M2-4:2 FTS	118 %		40-200	EPA 1633A	11/3/25 00:54
Surrogate: d-N-MeFOSA	34.4 %		10-130	EPA 1633A	11/24/25 03:26
Surrogate: d-N-MeFOSA	99.3 %		10-130	EPA 1633A	11/3/25 00:54
Surrogate: d-N-EtFOSA	31.9 %		10-130	EPA 1633A	11/24/25 03:26
Surrogate: d-N-EtFOSA	96.4 %		10-130	EPA 1633A	11/3/25 00:54
Surrogate: M3HFPO-DA	135 %	PFSu-H	40-130	EPA 1633A	11/24/25 03:26
Surrogate: M3HFPO-DA	100 %		40-130	EPA 1633A	11/3/25 00:54
Surrogate: d9-N-EtFOSE	26.4 %		10-130	EPA 1633A	11/24/25 03:26



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FMW-39	<b>Collection Date/Time:</b>	10/29/25 15:15

<b>Lab ID:</b>	<b>25J1813-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d9-N-EtFOSE	42.6 %		10-130	EPA 1633A	11/3/25 00:54
Surrogate: d7-N-MeFOSE	33.9 %		10-130	EPA 1633A	11/24/25 03:26
Surrogate: d7-N-MeFOSE	52.7 %		10-130	EPA 1633A	11/3/25 00:54

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD DUPLICATE	<b>Collection Date/Time:</b>	10/29/25 0:00

<b>Lab ID:</b>	<b>25J1813-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,1,1-Trichloroethane	<b>0.590</b>		0.266	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,1-Dichloroethane	<b>18.4</b>		0.272	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,1-Dichloroethylene	<b>2.49</b>		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD DUPLICATE	<b>Collection Date/Time:</b>	10/29/25 0:00

<b>Lab ID:</b>	<b>25J1813-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Acetone	<b>2.58</b>		1.34	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Acrolein	ND		0.447	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Bromomethane	ND		0.500	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
cis-1,2-Dichloroethylene	<b>13.8</b>		0.294	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Dichlorodifluoromethane	ND		0.451	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD DUPLICATE	<b>Collection Date/Time:</b>	10/29/25 0:00

<b>Lab ID:</b>	<b>25J1813-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
* Iodomethane	ND	QL-02	0.500	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
n-Butylbenzene	ND		0.399	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
* p-Ethyltoluene	ND	QL-02	0.200	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Tetrachloroethylene	ND	QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD DUPLICATE	<b>Collection Date/Time:</b>	10/29/25 0:00

<b>Lab ID:</b>	<b>25J1813-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Trichloroethylene	1.49		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Vinyl Chloride	6.44		0.469	0.500	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/3/25 7:00	11/4/25 00:09	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURR: 1,2-Dichloroethane-d4	103 %		69-130	EPA 8260D	11/4/25 00:09
Surrogate: SURR: Toluene-d8	114 %		81-117	EPA 8260D	11/4/25 00:09
Surrogate: SURR: p-Bromofluorobenzene	101 %		79-122	EPA 8260D	11/4/25 00:09

<b>Lab ID:</b>	<b>25J1813-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Semivolatile Organic Compounds by GC/MS/SIM</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 3535A		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,4-Dioxane	9.89		0.200	0.300	1	ug/L	EPA 8270E SIM	10/31/25 8:22	11/6/25 12:27	ss

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: 1,4-Dioxane-d8	68.0 %		36.6-118	EPA 8270E SIM	11/6/25 12:27

<b>Lab ID:</b>	<b>25J1813-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	4.29		1.59	1.76	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluorohexanoic acid (PFHxA)	19.4		0.497	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoroheptanoic acid (PFHpA)	11.9		0.696	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluorohexanesulfonic acid (PFHxS)	25.1		0.885	1.82	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluorooctanoic acid (PFOA)	13.1		0.994	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluorooctanesulfonic acid (PFOS)	96.2		0.755	1.85	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluorononanoic acid (PFNA)	10.6		0.984	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluorodecanoic acid (PFDA)	1.50	J	0.567	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD DUPLICATE	<b>Collection Date/Time:</b>	10/29/25 0:00

<b>Lab ID:</b>	<b>25J1813-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND		0.706	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluorododecanoic acid (PFDoA)	ND		0.596	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.19	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.57	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
N-MeFOSAA	ND		0.497	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
N-EtFOSAA	ND		4.97	4.97	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoropentanoic acid (PFPeA)	<b>22.3</b>		0.885	3.98	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.368	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	<b>0.887</b>	J	0.308	1.90	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.616	1.92	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		4.97	7.55	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.24	7.63	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoro-n-butanoic acid (PFBA)	<b>16.3</b>		1.62	7.95	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.497	3.54	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		2.98	3.98	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.696	3.98	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.39	3.98	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoro-1-pentanesulfonate (PFPeS)	<b>2.63</b>		0.746	1.87	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.80	7.46	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
HFPO-DA (Gen-X)	ND		4.97	7.95	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
11CL-PF30UdS	ND		2.22	7.51	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
9CL-PF30NS	ND		2.73	7.44	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
ADONA	ND		2.95	7.51	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.885	1.93	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.746	1.91	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.35	9.94	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD DUPLICATE	<b>Collection Date/Time:</b>	10/29/25 0:00

<b>Lab ID:</b>	<b>25J1813-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		24.9	49.7	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		22.9	49.7	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
N-MeFOSE	ND		7.06	19.9	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
N-MeFOSA	ND		1.99	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
N-EtFOSE	ND		7.24	19.9	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM
N-EtFOSA	ND		1.04	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:08	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	97.1 %		40-135	EPA 1633A	11/3/25 01:08
Surrogate: M5PFHxA	104 %		40-130	EPA 1633A	11/3/25 01:08
Surrogate: M4PFHpA	108 %		40-130	EPA 1633A	11/3/25 01:08
Surrogate: M3PFHxS	103 %		40-130	EPA 1633A	11/3/25 01:08
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	96.3 %		40-130	EPA 1633A	11/3/25 01:08
Surrogate: M6PFDA	88.1 %		40-130	EPA 1633A	11/3/25 01:08
Surrogate: M7PFUDa	77.7 %		30-130	EPA 1633A	11/3/25 01:08
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	63.8 %		10-130	EPA 1633A	11/3/25 01:08
Surrogate: M2PFTeDA	43.7 %		10-130	EPA 1633A	11/3/25 01:08
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	86.8 %		5-130	EPA 1633A	11/3/25 01:08
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	94.6 %		40-130	EPA 1633A	11/3/25 01:08
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	97.2 %		40-130	EPA 1633A	11/3/25 01:08
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	101 %		40-130	EPA 1633A	11/3/25 01:08
Surrogate: d3-N-MeFOSAA	104 %		40-170	EPA 1633A	11/3/25 01:08
Surrogate: d5-N-EtFOSAA	99.3 %		25-135	EPA 1633A	11/3/25 01:08
Surrogate: M2-6:2 FTS	249 %	PFSu-H	40-200	EPA 1633A	11/3/25 01:08
Surrogate: M2-8:2 FTS	231 %		40-300	EPA 1633A	11/3/25 01:08
Surrogate: M9PFNA	101 %		40-130	EPA 1633A	11/3/25 01:08
Surrogate: M2-4:2 FTS	226 %	PFSu-H	40-200	EPA 1633A	11/3/25 01:08
Surrogate: d-N-MeFOSA	60.5 %		10-130	EPA 1633A	11/3/25 01:08
Surrogate: d-N-EtFOSA	55.4 %		10-130	EPA 1633A	11/3/25 01:08
Surrogate: M3HFPO-DA	106 %		40-130	EPA 1633A	11/3/25 01:08
Surrogate: d9-N-EtFOSE	57.2 %		10-130	EPA 1633A	11/3/25 01:08
Surrogate: d7-N-MeFOSE	62.6 %		10-130	EPA 1633A	11/3/25 01:08



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25J1813-10
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 10/30/2025
<b>Client Sample ID:</b> FIELD BLANK	<b>Collection Date/Time:</b> 10/29/25 15:40

<b>Lab ID:</b> 25J1813-10	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Acrolein	0.890	B, ICVE	0.447	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD BLANK	<b>Collection Date/Time:</b>	10/29/25 15:40

<b>Lab ID:</b>	<b>25J1813-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Bromomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Dichlorodifluoromethane	ND	ICVE	0.451	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
* Iodomethane	ND	CCVE, ICVE	0.500	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD BLANK	<b>Collection Date/Time:</b>	10/29/25 15:40

<b>Lab ID:</b>	<b>25J1813-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
n-Butylbenzene	ND	ICVE	0.399	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
p- & m- Xylenes	ND	CAL-E	0.578	1.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
* p-Ethyltoluene	ND		0.200	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Tetrachloroethylene	ND	CCVE, ICVE, QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 14:51	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	107 %		69-130	EPA 8260D	11/3/25 14:51
Surrogate: SURRE: Toluene-d8	113 %		81-117	EPA 8260D	11/3/25 14:51
Surrogate: SURRE: p-Bromofluorobenzene	109 %		79-122	EPA 8260D	11/3/25 14:51



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD BLANK	<b>Collection Date/Time:</b>	10/29/25 15:40

<b>Lab ID:</b>	<b>25J1813-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Semivolatile Organic Compounds by GC/MS/SIM</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 3535A		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,4-Dioxane	ND		0.200	0.300	1	ug/L	EPA 8270E SIM	10/31/25 8:22	11/6/25 12:45	ss
<b>Surrogate Recoveries</b>			<b>Result</b>				<b>Acceptance Range</b>		<b>Reference</b>	<b>Analyzed</b>
<i>Surrogate: 1,4-Dioxane-d8</i>			80.0 %				36.6-118		EPA 8270E SIM	11/6/25 12:45

<b>Lab ID:</b>	<b>25J1813-10</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.66	1.84	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluorohexanoic acid (PFHxA)	ND		0.519	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoroheptanoic acid (PFHpA)	ND		0.726	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluorohexanesulfonic acid (PFHxS)	ND		0.923	1.90	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluorooctanoic acid (PFOA)	ND		1.04	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluorooctanesulfonic acid (PFOS)	ND		0.788	1.93	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluorononanoic acid (PFNA)	ND		1.03	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluorodecanoic acid (PFDA)	ND		0.591	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.737	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluorododecanoic acid (PFDoA)	ND		0.622	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluorotridecanoic acid (PFTTrDA)	ND		1.24	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.64	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
N-MeFOSAA	ND		0.519	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
N-EtFOSAA	ND		5.19	5.19	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoropentanoic acid (PFPeA)	ND		0.923	4.15	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.384	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.322	1.98	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.643	2.00	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5.19	7.88	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD BLANK	<b>Collection Date/Time:</b>	10/29/25 15:40

<b>Lab ID:</b>	<b>25J1813-10</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.33	7.97	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoro-n-butanoic acid (PFBA)	ND		1.69	8.30	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.519	3.69	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		3.11	4.15	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.726	4.15	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.45	4.15	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.778	1.95	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.93	7.78	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
HFPO-DA (Gen-X)	ND		5.19	8.30	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
11CL-PF3OUdS	ND		2.31	7.84	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
9CL-PF3ONS	ND		2.85	7.76	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
ADONA	ND		3.08	7.84	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.923	2.01	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.778	1.99	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.45	10.4	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		25.9	51.9	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		23.9	51.9	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
N-MeFOSE	ND		7.37	20.7	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
N-MeFOSA	ND		2.07	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
N-EtFOSE	ND		7.55	20.7	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM
N-EtFOSA	ND		1.09	2.07	1	ng/L	EPA 1633A	10/31/25 11:57	11/3/25 01:37	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	101 %		40-135	EPA 1633A	11/3/25 01:37
Surrogate: M5PFHxA	94.3 %		40-130	EPA 1633A	11/3/25 01:37
Surrogate: M4PFHpA	100 %		40-130	EPA 1633A	11/3/25 01:37
Surrogate: M3PFHxS	90.6 %		40-130	EPA 1633A	11/3/25 01:37
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	91.4 %		40-130	EPA 1633A	11/3/25 01:37
Surrogate: M6PFDA	93.0 %		40-130	EPA 1633A	11/3/25 01:37



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	FIELD BLANK	<b>Collection Date/Time:</b>	10/29/25 15:40

<b>Lab ID:</b>	<b>25J1813-10</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M7PFUdA	89.3 %		30-130	EPA 1633A	11/3/25 01:37
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	80.3 %		10-130	EPA 1633A	11/3/25 01:37
Surrogate: M2PFTeDA	68.8 %		10-130	EPA 1633A	11/3/25 01:37
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	90.3 %		5-130	EPA 1633A	11/3/25 01:37
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	101 %		40-130	EPA 1633A	11/3/25 01:37
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	89.8 %		40-130	EPA 1633A	11/3/25 01:37
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	111 %		40-130	EPA 1633A	11/3/25 01:37
Surrogate: d3-N-MeFOSAA	92.7 %		40-170	EPA 1633A	11/3/25 01:37
Surrogate: d5-N-EtFOSAA	88.8 %		25-135	EPA 1633A	11/3/25 01:37
Surrogate: M2-6:2 FTS	102 %		40-200	EPA 1633A	11/3/25 01:37
Surrogate: M2-8:2 FTS	101 %		40-300	EPA 1633A	11/3/25 01:37
Surrogate: M9PFNA	97.8 %		40-130	EPA 1633A	11/3/25 01:37
Surrogate: M2-4:2 FTS	110 %		40-200	EPA 1633A	11/3/25 01:37
Surrogate: d-N-MeFOSA	99.2 %		10-130	EPA 1633A	11/3/25 01:37
Surrogate: d-N-EtFOSA	96.2 %		10-130	EPA 1633A	11/3/25 01:37
Surrogate: M3HFPO-DA	95.9 %		40-130	EPA 1633A	11/3/25 01:37
Surrogate: d9-N-EtFOSE	82.6 %		10-130	EPA 1633A	11/3/25 01:37
Surrogate: d7-N-MeFOSE	81.3 %		10-130	EPA 1633A	11/3/25 01:37

<b>Lab ID:</b>	<b>25J1813-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Gas Chromatography/Flame Ionization Detector</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: Preparation for GC Analysis		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
* Ethylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	11/2/25 7:59	11/2/25 10:36	GXB
* Propylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	11/2/25 7:59	11/2/25 10:36	GXB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: 1,4-Butanediol			30-130	GC/FID	11/2/25 10:36



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-11</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	TRIP BLANK	<b>Collection Date/Time:</b>	10/29/25 0:00

<b>Lab ID:</b>	<b>25J1813-11</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
2,2-Dichloropropane	ND		0.466	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Acrolein	<b>0.890</b>	B, ICVE	0.447	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-11</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	TRIP BLANK	<b>Collection Date/Time:</b>	10/29/25 0:00

<b>Lab ID:</b>	<b>25J1813-11</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Bromomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Dichlorodifluoromethane	ND	ICVE	0.451	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
* Iodomethane	ND	CCVE, ICVE	0.500	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25J1813-11</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	10/30/2025
<b>Client Sample ID:</b>	TRIP BLANK	<b>Collection Date/Time:</b>	10/29/25 0:00

<b>Lab ID:</b>	<b>25J1813-11</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
n-Butylbenzene	ND	ICVE	0.399	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
p- & m- Xylenes	ND	CAL-E	0.578	1.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
* p-Ethyltoluene	ND		0.200	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Tetrachloroethylene	ND	CCVE, ICVE, QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/3/25 8:06	11/3/25 11:31	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	105 %		69-130	EPA 8260D	11/3/25 11:31
Surrogate: SURRE: Toluene-d8	113 %		81-117	EPA 8260D	11/3/25 11:31
Surrogate: SURRE: p-Bromofluorobenzene	112 %		79-122	EPA 8260D	11/3/25 11:31



## Certified Analyses included in this Report

Analyte	CAS #	Certifications
<b>EPA 1633A in Water</b>		
11CL-PF3OUdS	763051-92-9	NYSDOH-NY12058
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	NYSDOH-NY12058
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	NYSDOH-NY12058
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	27619-97-2	NYSDOH-NY12058
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	812-70-4	NYSDOH-NY12058
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	914637-49-3	NYSDOH-NY12058
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	356-02-5	NYSDOH-NY12058
9CL-PF3ONS	756426-58-1	NYSDOH-NY12058
ADONA	919005-14-4	NYSDOH-NY12058
HFPO-DA (Gen-X)	13252-13-6	NYSDOH-NY12058
N-EtFOSA	4151-50-2	NYSDOH-NY12058
N-EtFOSAA	2991-50-6	NYSDOH-NY12058
N-EtFOSE	1691-99-2	NYSDOH-NY12058
N-MeFOSA	31506-32-8	NYSDOH-NY12058
N-MeFOSAA	2355-31-9	NYSDOH-NY12058
N-MeFOSE	24448-09-7	NYSDOH-NY12058
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	NYSDOH-NY12058
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	NYSDOH-NY12058
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	NYSDOH-NY12058
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	NYSDOH-NY12058
Perfluoro-1-octanesulfonamide (FOSA)	754-91-6	NYSDOH-NY12058
Perfluoro-1-pentanesulfonate (PFPeS)	2706-91-4	NYSDOH-NY12058
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	NYSDOH-NY12058
Perfluoro-4-oxapentanoic acid (PFMPA)	377-73-1	NYSDOH-NY12058
Perfluoro-5-oxahexanoic acid (PFMBA)	863090-89-5	NYSDOH-NY12058
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NYSDOH-NY12058
Perfluorodecanoic acid (PFDA)	335-76-2	NYSDOH-NY12058
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	NYSDOH-NY12058
Perfluorododecanoic acid (PFDoA)	307-55-1	NYSDOH-NY12058
Perfluoroheptanoic acid (PFHpA)	375-85-9	NYSDOH-NY12058
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NYSDOH-NY12058
Perfluorohexanoic acid (PFHxA)	307-24-4	NYSDOH-NY12058
Perfluoro-n-butanoic acid (PFBA)	375-22-4	NYSDOH-NY12058
Perfluorononanoic acid (PFNA)	375-95-1	NYSDOH-NY12058
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NYSDOH-NY12058
Perfluorooctanoic acid (PFOA)	335-67-1	NYSDOH-NY12058
Perfluoropentanoic acid (PFPeA)	2706-90-3	NYSDOH-NY12058
Perfluorotetradecanoic acid (PFTA)	376-06-7	NYSDOH-NY12058
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	NYSDOH-NY12058
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NYSDOH-NY12058
<b>EPA 8260D in Water</b>		
1,1,1,2-Tetrachloroethane	630-20-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1,1-Trichloroethane	71-55-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1,2,2-Tetrachloroethane	79-34-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440



**Certified Analyses included in this Report**  
(Continued)

Analyte	CAS #	Certifications
<b>EPA 8260D in Water (Continued)</b>		
1,1,2-Trichloroethane	79-00-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1-Dichloroethane	75-34-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1-Dichloroethylene	75-35-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1-Dichloropropylene	563-58-6	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
1,2,3-Trichlorobenzene	87-61-6	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,2,3-Trichloropropane	96-18-4	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,2,4-Trichlorobenzene	120-82-1	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,2,4-Trimethylbenzene	95-63-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dibromo-3-chloropropane	96-12-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dibromoethane	106-93-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dichlorobenzene	95-50-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dichloroethane	107-06-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dichloropropane	78-87-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,3,5-Trimethylbenzene	108-67-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,3-Dichlorobenzene	541-73-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,3-Dichloropropane	142-28-9	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,4-Dichlorobenzene	106-46-7	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
2,2-Dichloropropane	594-20-7	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
2-Butanone	78-93-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
2-Chlorotoluene	95-49-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
2-Hexanone	591-78-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
4-Chlorotoluene	106-43-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
4-Methyl-2-pentanone	108-10-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Acetone	67-64-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Acrolein	107-02-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Acrylonitrile	107-13-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Benzene	71-43-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Bromobenzene	108-86-1	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Bromochloromethane	74-97-5	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Bromodichloromethane	75-27-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Bromoform	75-25-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440



**Certified Analyses included in this Report**  
(Continued)

Analyte	CAS #	Certifications
<b>EPA 8260D in Water (Continued)</b>		
Bromomethane	74-83-9	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Carbon disulfide	75-15-0	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Carbon tetrachloride	56-23-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chlorobenzene	108-90-7	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chloroethane	75-00-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chloroform	67-66-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chloromethane	74-87-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
cis-1,2-Dichloroethylene	156-59-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
cis-1,3-Dichloropropylene	10061-01-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Cyclohexane	110-82-7	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Dibromochloromethane	124-48-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Dibromomethane	74-95-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Dichlorodifluoromethane	75-71-8	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Diisopropyl ether (DIPE)	108-20-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Ethyl Benzene	100-41-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Ethyl tert-butyl ether (ETBE)	637-92-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
Hexachlorobutadiene	87-68-3	NYSDOH-NY12058,PADEP-68-04440
Isopropylbenzene	98-82-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Methyl acetate	79-20-9	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Methyl Methacrylate	80-62-6	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
Methyl tert-butyl ether (MTBE)	1634-04-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Methylcyclohexane	108-87-2	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Methylene chloride	75-09-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Naphthalene	91-20-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
n-Butylbenzene	104-51-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
n-Propylbenzene	103-65-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
o-Xylene	95-47-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP-68-04440
p- & m- Xylenes	179601-23-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP-68-04440
p-Isopropyltoluene	99-87-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
sec-Butylbenzene	135-98-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Styrene	100-42-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
tert-Amyl alcohol (TAA)	75-85-4	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
tert-Amyl methyl ether (TAME)	994-05-8	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
tert-Butyl alcohol (TBA)	75-65-0	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440



**Certified Analyses included in this Report**  
(Continued)

Analyte	CAS #	Certifications
<b><i>EPA 8260D in Water (Continued)</i></b>		
tert-Butylbenzene	98-06-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Tetrachloroethylene	127-18-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Toluene	108-88-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
trans-1,2-Dichloroethylene	156-60-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
trans-1,3-Dichloropropylene	10061-02-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
trans-1,4-dichloro-2-butene	110-57-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Trichloroethylene	79-01-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Trichlorofluoromethane	75-69-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Vinyl acetate	108-05-4	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Vinyl Chloride	75-01-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Xylenes, Total	1330-20-7	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
<b><i>EPA 8270E SIM in Water</i></b>		
1,4-Dioxane	123-91-1	NJDEP-CT005,NYSDOH-NY10854



### List of Certifications

Code	Description	Number	Expires
CTDPH-PH-0840	CTDPH - Stratford	PH-0840	06/30/2027
NJDEP-CT005	NJDEP Certification - Stratford	CT005	06/30/2026
NYSDOH-NY12058	NYSDOH NELAC/ELAP Program - Queens	NY ELAP-12058	04/01/2026
NYSDOH-NY10854	NYSDOH NELAC/ELAP Program - Stratford	NY ELAP-10854	04/01/2026
PADEP-68-04440	PADEP Registration - Stratford	68-04440	09/30/2026



## Analytical Batch Summary

<b>Batch ID:</b> BJ52086		<b>Preparation Method:</b> EPA 3535A		<b>Prepared By:</b> NMB2	
YORK Sample ID	Client Sample ID	Preparation Date			
25J1813-01	HANGER_E_MW-1	10/31/25			
25J1813-09	FIELD DUPLICATE	10/31/25			
25J1813-10	FIELD BLANK	10/31/25			
BJ52086-BLK1	Blank	10/31/25			
BJ52086-BS1	LCS	10/31/25			

<b>Batch ID:</b> BJ52117		<b>Preparation Method:</b> EPA 1633 Prep		<b>Prepared By:</b> MG	
YORK Sample ID	Client Sample ID	Preparation Date			
25J1813-01	HANGER_E_MW-1	10/31/25			
25J1813-01RE1	HANGER_E_MW-1	10/31/25			
25J1813-02	HANGER_E_MW-4	10/31/25			
25J1813-02RE1	HANGER_E_MW-4	10/31/25			
25J1813-05	MW-64	10/31/25			
25J1813-05RE1	MW-64	10/31/25			
25J1813-05RE2	MW-64	10/31/25			
25J1813-06	FMW-24	10/31/25			
25J1813-07	FMW-2R	10/31/25			
25J1813-08	FMW-39	10/31/25			
25J1813-09	FIELD DUPLICATE	10/31/25			
25J1813-10	FIELD BLANK	10/31/25			
BJ52117-BLK1	Blank	10/31/25			
BJ52117-BS1	LCS	10/31/25			
BJ52117-BS2	LCS	10/31/25			

<b>Batch ID:</b> BK50024		<b>Preparation Method:</b> EPA 1633 Prep		<b>Prepared By:</b> MPR	
YORK Sample ID	Client Sample ID	Preparation Date			
25J1813-03	MW-75	11/01/25			
BK50024-BLK1	Blank	11/01/25			
BK50024-BS2	LCS	11/01/25			

<b>Batch ID:</b> BK50026		<b>Preparation Method:</b> Preparation for GC Analysis		<b>Prepared By:</b> GXB	
YORK Sample ID	Client Sample ID	Preparation Date			
25J1813-01	HANGER_E_MW-1	11/02/25			
25J1813-04	FMW-37	11/02/25			
25J1813-10	FIELD BLANK	11/02/25			
BK50026-BLK1	Blank	11/02/25			
BK50026-DUP1	Duplicate	11/02/25			



Batch ID: BK50072      Preparation Method: EPA 5030B      Prepared By: PRS		
YORK Sample ID	Client Sample ID	Preparation Date
25J1813-01	HANGER_E_MW-1	11/03/25
25J1813-10	FIELD BLANK	11/03/25
25J1813-11	TRIP BLANK	11/03/25
BK50072-BLK1	Blank	11/03/25
BK50072-BS1	LCS	11/03/25
BK50072-BSD1	LCS Dup	11/03/25

Batch ID: BK50092      Preparation Method: EPA 5030B      Prepared By: SCB		
YORK Sample ID	Client Sample ID	Preparation Date
25J1813-05	MW-64	11/03/25
25J1813-08	FMW-39	11/03/25
25J1813-09	FIELD DUPLICATE	11/03/25
BK50092-BLK1	Blank	11/03/25
BK50092-BS1	LCS	11/03/25

Batch ID: BK50143      Preparation Method: EPA 3535A      Prepared By: NMB2		
YORK Sample ID	Client Sample ID	Preparation Date
25J1813-03	MW-75	11/04/25
BK50143-BLK1	Blank	11/04/25
BK50143-BS1	LCS	11/04/25
BK50143-MS1	Matrix Spike	11/04/25
BK50143-MSD1	Matrix Spike Dup	11/04/25

Batch ID: BK50148      Preparation Method: EPA 5030B      Prepared By: PRS		
YORK Sample ID	Client Sample ID	Preparation Date
25J1813-01RE1	HANGER_E_MW-1	11/03/25
25J1813-05RE1	MW-64	11/03/25
BK50148-BLK1	Blank	11/04/25
BK50148-BS1	LCS	11/04/25

Batch ID: BK50252      Preparation Method: EPA 1633 Prep      Prepared By: MG		
YORK Sample ID	Client Sample ID	Preparation Date
25J1813-03RE1	MW-75	11/05/25
BK50252-BLK1	Blank	11/05/25
BK50252-BS1	LCS	11/05/25
BK50252-BS2	LCS	11/05/25
BK50252-MS1	Matrix Spike	11/05/25
BK50252-MSD1	Matrix Spike Dup	11/05/25



<b>Batch ID:</b> BK50333		<b>Preparation Method:</b> EPA 5030B	<b>Prepared By:</b> PRS
YORK Sample ID	Client Sample ID	Preparation Date	
25J1813-03	MW-75	11/06/25	
BK50333-BLK1	Blank	11/06/25	
BK50333-BS1	LCS	11/06/25	
BK50333-BSD1	LCS Dup	11/06/25	
BK50333-MS1	Matrix Spike	11/06/25	
BK50333-MSD1	Matrix Spike Dup	11/06/25	

<b>Batch ID:</b> BK51445		<b>Preparation Method:</b> EPA 1633 Prep	<b>Prepared By:</b> MPR
YORK Sample ID	Client Sample ID	Preparation Date	
25J1813-08RE1	FMW-39	10/31/25	
BK51445-BLK1	Blank	11/23/25	
BK51445-BS1	LCS	11/23/25	
BK51445-BS2	LCS	11/23/25	



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50072 - EPA 5030B</b>											
<b>Blank (BK50072-BLK1)</b>											
											Prepared & Analyzed: 11/03/2025
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	ug/L								
1,1,2-Trichloroethane	ND	0.500	ug/L								
1,1-Dichloroethane	ND	0.500	ug/L								
1,1-Dichloroethylene	ND	0.500	ug/L								
1,1-Dichloropropylene	ND	0.500	ug/L								
1,2,3-Trichlorobenzene	ND	0.500	ug/L								
1,2,3-Trichloropropane	ND	0.500	ug/L								
1,2,4,5-Tetramethylbenzene	ND	0.500	ug/L								
1,2,4-Trichlorobenzene	ND	0.500	ug/L								
1,2,4-Trimethylbenzene	ND	0.500	ug/L								
1,2-Dibromo-3-chloropropane	ND	0.500	ug/L								
1,2-Dibromoethane	ND	0.500	ug/L								
1,2-Dichlorobenzene	ND	0.500	ug/L								
1,2-Dichloroethane	ND	0.500	ug/L								
1,2-Dichloropropane	ND	0.500	ug/L								
1,3,5-Trimethylbenzene	ND	0.500	ug/L								
1,3-Dichlorobenzene	ND	0.500	ug/L								
1,3-Dichloropropane	ND	0.500	ug/L								
1,4-Dichlorobenzene	ND	0.500	ug/L								
2,2-Dichloropropane	ND	0.500	ug/L								
2-Butanone	ND	0.500	ug/L								
2-Chlorotoluene	ND	0.500	ug/L								
2-Hexanone	ND	0.500	ug/L								
4-Chlorotoluene	ND	0.500	ug/L								
4-Methyl-2-pentanone	ND	0.500	ug/L								
Acetone	ND	2.00	ug/L								
Acrolein	0.610	0.500	ug/L								
Acrylonitrile	ND	0.500	ug/L								
Benzene	ND	0.500	ug/L								
Bromobenzene	ND	0.500	ug/L								
Bromochloromethane	ND	0.500	ug/L								
Bromodichloromethane	ND	0.500	ug/L								
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	2.00	ug/L								
Carbon disulfide	ND	0.500	ug/L								
Carbon tetrachloride	ND	0.500	ug/L								
Chlorobenzene	ND	0.500	ug/L								
Chloroethane	ND	0.500	ug/L								
Chloroform	ND	0.500	ug/L								
Chloromethane	ND	0.500	ug/L								
cis-1,2-Dichloroethylene	ND	0.500	ug/L								
cis-1,3-Dichloropropylene	ND	0.500	ug/L								
Cyclohexane	ND	0.500	ug/L								
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	ug/L								
Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	ug/L								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50072 - EPA 5030B</b>											
<b>Blank (BK50072-BLK1)</b> <span style="float: right;">Prepared &amp; Analyzed: 11/03/2025</span>											
Ethyl Benzene	ND	0.500	ug/L								
Ethyl tert-butyl ether (ETBE)	ND	0.800	ug/L								
Hexachlorobutadiene	ND	0.500	ug/L								
Iodomethane	ND	2.00	ug/L								
Isopropylbenzene	ND	0.500	ug/L								
Methyl acetate	ND	0.500	ug/L								
Methyl Methacrylate	ND	0.500	ug/L								
Methyl tert-butyl ether (MTBE)	ND	0.500	ug/L								
Methylcyclohexane	ND	0.500	ug/L								
Methylene chloride	ND	2.00	ug/L								
Naphthalene	ND	2.00	ug/L								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	ug/L								
p- & m- Xylenes	ND	1.00	ug/L								
p-Diethylbenzene	ND	0.500	ug/L								
p-Ethyltoluene	ND	0.500	ug/L								
p-Isopropyltoluene	ND	0.500	ug/L								
sec-Butylbenzene	ND	0.500	ug/L								
Styrene	ND	0.500	ug/L								
tert-Amyl alcohol (TAA)	ND	8.00	ug/L								
tert-Amyl methyl ether (TAME)	ND	0.800	ug/L								
tert-Butyl alcohol (TBA)	ND	1.00	ug/L								
tert-Butylbenzene	ND	0.500	ug/L								
Tetrachloroethylene	ND	0.500	ug/L								
Tetrahydrofuran	ND	0.500	ug/L								
Toluene	ND	0.500	ug/L								
trans-1,2-Dichloroethylene	ND	0.500	ug/L								
trans-1,3-Dichloropropylene	ND	0.500	ug/L								
trans-1,4-dichloro-2-butene	ND	0.500	ug/L								
Trichloroethylene	ND	0.500	ug/L								
Trichlorofluoromethane	ND	0.500	ug/L								
Vinyl acetate	ND	0.500	ug/L								
Vinyl Chloride	ND	0.500	ug/L								
Xylenes, Total	ND	1.50	ug/L								
Surrogate: SURR: 1,2-Dichloroethane-d4	11.1		ug/L	10.0		111	70-130				
Surrogate: SURR: Toluene-d8	11.4		ug/L	10.0		114	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.8		ug/L	10.0		108	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50072 - EPA 5030B</b>											
<b>LCS (BK50072-BS1)</b>						Prepared & Analyzed: 11/03/2025					
1,1,1,2-Tetrachloroethane	12.1		ug/L	10.0		121	82-126				
1,1,1-Trichloroethane	11.5		ug/L	10.0		115	78-130				
1,1,2,2-Tetrachloroethane	11.1		ug/L	10.0		111	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		ug/L	10.0		113	70-130				
1,1,2-Trichloroethane	10.9		ug/L	10.0		109	82-123				
1,1-Dichloroethane	10.6		ug/L	10.0		106	82-129				
1,1-Dichloroethylene	11.3		ug/L	10.0		113	70-130				
1,1-Dichloropropylene	10.5		ug/L	10.0		105	83-133				
1,2,3-Trichlorobenzene	11.8		ug/L	10.0		118	76-130				
1,2,3-Trichloropropane	9.96		ug/L	10.0		99.6	77-128				
1,2,4,5-Tetramethylbenzene	10.3		ug/L	10.0		103	85-140				
1,2,4-Trichlorobenzene	11.8		ug/L	10.0		118	76-130				
1,2,4-Trimethylbenzene	10.8		ug/L	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	11.8		ug/L	10.0		118	45-147				
1,2-Dibromoethane	11.4		ug/L	10.0		114	83-124				
1,2-Dichlorobenzene	10.0		ug/L	10.0		100	79-123				
1,2-Dichloroethane	10.4		ug/L	10.0		104	73-130				
1,2-Dichloropropane	11.4		ug/L	10.0		114	78-126				
1,3,5-Trimethylbenzene	10.6		ug/L	10.0		106	80-131				
1,3-Dichlorobenzene	10.3		ug/L	10.0		103	86-122				
1,3-Dichloropropane	11.0		ug/L	10.0		110	81-125				
1,4-Dichlorobenzene	9.89		ug/L	10.0		98.9	85-124				
2,2-Dichloropropane	12.0		ug/L	10.0		120	56-150				
2-Butanone	9.72		ug/L	10.0		97.2	49-152				
2-Chlorotoluene	10.6		ug/L	10.0		106	79-130				
2-Hexanone	9.64		ug/L	10.0		96.4	51-146				
4-Chlorotoluene	10.7		ug/L	10.0		107	79-128				
4-Methyl-2-pentanone	10.9		ug/L	10.0		109	57-145				
Acetone	6.52		ug/L	10.0		65.2	40-150				
Acrolein	54.7		ug/L	40.0		137	10-153				
Acrylonitrile	10.1		ug/L	10.0		101	51-150				
Benzene	11.5		ug/L	10.0		115	85-126				
Bromobenzene	10.4		ug/L	10.0		104	78-129				
Bromochloromethane	11.2		ug/L	10.0		112	77-128				
Bromodichloromethane	12.2		ug/L	10.0		122	79-128				
Bromoform	10.7		ug/L	10.0		107	78-130				
Bromomethane	11.0		ug/L	10.0		110	43-160				
Carbon disulfide	11.3		ug/L	10.0		113	68-146				
Carbon tetrachloride	12.5		ug/L	10.0		125	77-130				
Chlorobenzene	10.8		ug/L	10.0		108	88-120				
Chloroethane	14.1		ug/L	10.0		141	65-136	High Bias			
Chloroform	11.0		ug/L	10.0		110	82-128				
Chloromethane	9.19		ug/L	10.0		91.9	43-155				
cis-1,2-Dichloroethylene	11.4		ug/L	10.0		114	83-129				
cis-1,3-Dichloropropylene	11.9		ug/L	10.0		119	80-130				
Cyclohexane	10.6		ug/L	10.0		106	70-130				
Dibromochloromethane	12.7		ug/L	10.0		127	80-130				
Dibromomethane	10.9		ug/L	10.0		109	72-134				
Dichlorodifluoromethane	7.32		ug/L	10.0		73.2	44-144				
Diisopropyl ether (DIPE)	10.6		ug/L	10.0		106	70-130				
Ethyl Benzene	11.7		ug/L	10.0		117	80-130				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50072 - EPA 5030B</b>											
<b>LCS (BK50072-BS1)</b>											
Prepared & Analyzed: 11/03/2025											
Ethyl tert-butyl ether (ETBE)	10.0		ug/L	10.0		100	70-130				
Hexachlorobutadiene	10.0		ug/L	10.0		100	67-146				
Iodomethane	9.68		ug/L	10.0		96.8	70-130				
Isopropylbenzene	11.0		ug/L	10.0		110	76-130				
Methyl acetate	18.3		ug/L	10.0		183	70-130	High Bias			
Methyl Methacrylate	14.1		ug/L	10.0		141	72-132	High Bias			
Methyl tert-butyl ether (MTBE)	9.75		ug/L	10.0		97.5	76-130				
Methylcyclohexane	10.2		ug/L	10.0		102	72-130				
Methylene chloride	11.6		ug/L	10.0		116	70-130				
Naphthalene	12.2		ug/L	10.0		122	70-147				
n-Butylbenzene	8.69		ug/L	10.0		86.9	79-132				
n-Propylbenzene	10.8		ug/L	10.0		108	78-133				
o-Xylene	11.5		ug/L	10.0		115	78-130				
p- & m- Xylenes	24.6		ug/L	20.0		123	77-130				
p-Diethylbenzene	10.0		ug/L	10.0		100	84-134				
p-Ethyltoluene	10.4		ug/L	10.0		104	88-129				
p-Isopropyltoluene	10.8		ug/L	10.0		108	81-136				
sec-Butylbenzene	10.2		ug/L	10.0		102	79-137				
Styrene	11.1		ug/L	10.0		111	70-130				
tert-Amyl alcohol (TAA)	109		ug/L	100		109	70-130				
tert-Amyl methyl ether (TAME)	9.96		ug/L	10.0		99.6	70-130				
tert-Butyl alcohol (TBA)	46.5		ug/L	50.0		93.0	25-162				
tert-Butylbenzene	9.75		ug/L	10.0		97.5	77-138				
Tetrachloroethylene	6.42		ug/L	10.0		64.2	82-130	Low Bias			
Tetrahydrofuran	11.6		ug/L	10.0		116	36-166				
Toluene	11.3		ug/L	10.0		113	80-127				
trans-1,2-Dichloroethylene	11.5		ug/L	10.0		115	80-130				
trans-1,3-Dichloropropylene	11.7		ug/L	10.0		117	78-130				
trans-1,4-dichloro-2-butene	9.35		ug/L	10.0		93.5	63-141				
Trichloroethylene	10.6		ug/L	10.0		106	82-128				
Trichlorofluoromethane	10.2		ug/L	10.0		102	67-139				
Vinyl acetate	15.0		ug/L	10.0		150	21-90	High Bias			
Vinyl Chloride	10.1		ug/L	10.0		101	70-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		ug/L	10.0		103	70-130				
Surrogate: SURR: Toluene-d8	11.3		ug/L	10.0		113	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.8		ug/L	10.0		108	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50072 - EPA 5030B</b>											
<b>LCS Dup (BK50072-BSD1)</b>						Prepared & Analyzed: 11/03/2025					
1,1,1,2-Tetrachloroethane	11.8		ug/L	10.0		118	82-126		2.25	30	
1,1,1-Trichloroethane	11.5		ug/L	10.0		115	78-130		0.0871	20	
1,1,2,2-Tetrachloroethane	11.6		ug/L	10.0		116	76-129		4.22	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		ug/L	10.0		116	70-130		3.23	20	
1,1,2-Trichloroethane	10.5		ug/L	10.0		105	82-123		4.11	20	
1,1-Dichloroethane	10.9		ug/L	10.0		109	82-129		2.42	20	
1,1-Dichloroethylene	12.0		ug/L	10.0		120	70-130		5.41	20	
1,1-Dichloropropylene	10.4		ug/L	10.0		104	83-133		0.858	30	
1,2,3-Trichlorobenzene	11.1		ug/L	10.0		111	76-130		6.37	20	
1,2,3-Trichloropropane	10.5		ug/L	10.0		105	77-128		5.56	30	
1,2,4,5-Tetramethylbenzene	10.8		ug/L	10.0		108	85-140		4.63	30	
1,2,4-Trichlorobenzene	11.1		ug/L	10.0		111	76-130		6.37	20	
1,2,4-Trimethylbenzene	11.6		ug/L	10.0		116	82-132		7.59	20	
1,2-Dibromo-3-chloropropane	12.4		ug/L	10.0		124	45-147		5.22	20	
1,2-Dibromoethane	10.8		ug/L	10.0		108	83-124		5.68	20	
1,2-Dichlorobenzene	10.5		ug/L	10.0		105	79-123		4.38	20	
1,2-Dichloroethane	10.3		ug/L	10.0		103	73-130		0.679	20	
1,2-Dichloropropane	11.3		ug/L	10.0		113	78-126		1.41	20	
1,3,5-Trimethylbenzene	11.6		ug/L	10.0		116	80-131		8.66	30	
1,3-Dichlorobenzene	10.8		ug/L	10.0		108	86-122		4.83	20	
1,3-Dichloropropane	10.8		ug/L	10.0		108	81-125		2.57	30	
1,4-Dichlorobenzene	10.4		ug/L	10.0		104	85-124		4.83	20	
2,2-Dichloropropane	12.1		ug/L	10.0		121	56-150		0.414	30	
2-Butanone	9.80		ug/L	10.0		98.0	49-152		0.820	20	
2-Chlorotoluene	11.7		ug/L	10.0		117	79-130		9.15	30	
2-Hexanone	9.13		ug/L	10.0		91.3	51-146		5.43	20	
4-Chlorotoluene	11.7		ug/L	10.0		117	79-128		8.65	30	
4-Methyl-2-pentanone	10.4		ug/L	10.0		104	57-145		4.23	20	
Acetone	6.68		ug/L	10.0		66.8	40-150		2.42	20	
Acrolein	54.0		ug/L	40.0		135	10-153		1.36	30	
Acrylonitrile	9.63		ug/L	10.0		96.3	51-150		5.06	30	
Benzene	11.2		ug/L	10.0		112	85-126		2.29	20	
Bromobenzene	11.4		ug/L	10.0		114	78-129		9.13	30	
Bromochloromethane	11.0		ug/L	10.0		110	77-128		2.43	20	
Bromodichloromethane	12.3		ug/L	10.0		123	79-128		0.900	20	
Bromoform	10.2		ug/L	10.0		102	78-130		5.18	20	
Bromomethane	8.90		ug/L	10.0		89.0	43-160		21.3	20	Non-dir.
Carbon disulfide	12.1		ug/L	10.0		121	68-146		6.50	20	
Carbon tetrachloride	12.1		ug/L	10.0		121	77-130		3.18	20	
Chlorobenzene	10.7		ug/L	10.0		107	88-120		0.0931	20	
Chloroethane	14.9		ug/L	10.0		149	65-136	High Bias	5.58	20	
Chloroform	11.0		ug/L	10.0		110	82-128		0.00	20	
Chloromethane	9.63		ug/L	10.0		96.3	43-155		4.68	20	
cis-1,2-Dichloroethylene	11.4		ug/L	10.0		114	83-129		0.0874	20	
cis-1,3-Dichloropropylene	11.7		ug/L	10.0		117	80-130		1.27	20	
Cyclohexane	10.3		ug/L	10.0		103	70-130		3.54	20	
Dibromochloromethane	12.1		ug/L	10.0		121	80-130		4.68	20	
Dibromomethane	10.7		ug/L	10.0		107	72-134		1.86	30	
Dichlorodifluoromethane	7.03		ug/L	10.0		70.3	44-144		4.04	20	
Diisopropyl ether (DIPE)	10.8		ug/L	10.0		108	70-130		2.34	30	
Ethyl Benzene	11.9		ug/L	10.0		119	80-130		1.87	20	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50072 - EPA 5030B</b>											
<b>LCS Dup (BK50072-BSD1)</b>											
										Prepared & Analyzed: 11/03/2025	
Ethyl tert-butyl ether (ETBE)	9.63		ug/L	10.0		96.3	70-130		4.17	30	
Hexachlorobutadiene	10.2		ug/L	10.0		102	67-146		2.27	30	
Iodomethane	10.6		ug/L	10.0		106	70-130		9.07	20	
Isopropylbenzene	11.9		ug/L	10.0		119	76-130		8.14	20	
Methyl acetate	18.9		ug/L	10.0		189	70-130	High Bias	3.07	20	
Methyl Methacrylate	13.2		ug/L	10.0		132	72-132		6.66	30	
Methyl tert-butyl ether (MTBE)	9.83		ug/L	10.0		98.3	76-130		0.817	20	
Methylcyclohexane	9.86		ug/L	10.0		98.6	72-130		3.00	20	
Methylene chloride	12.4		ug/L	10.0		124	70-130		6.35	20	
Naphthalene	12.0		ug/L	10.0		120	70-147		1.66	30	
n-Butylbenzene	9.33		ug/L	10.0		93.3	79-132		7.10	30	
n-Propylbenzene	11.9		ug/L	10.0		119	78-133		9.88	30	
o-Xylene	11.6		ug/L	10.0		116	78-130		0.260	20	
p- & m- Xylenes	25.1		ug/L	20.0		125	77-130		2.06	20	
p-Diethylbenzene	10.8		ug/L	10.0		108	84-134		7.22	30	
p-Ethyltoluene	11.3		ug/L	10.0		113	88-129		8.41	30	
p-Isopropyltoluene	11.5		ug/L	10.0		115	81-136		6.45	30	
sec-Butylbenzene	11.0		ug/L	10.0		110	79-137		7.39	30	
Styrene	10.9		ug/L	10.0		109	70-130		1.82	20	
tert-Amyl alcohol (TAA)	92.6		ug/L	100		92.6	70-130		16.5	30	
tert-Amyl methyl ether (TAME)	9.30		ug/L	10.0		93.0	70-130		6.85	30	
tert-Butyl alcohol (TBA)	44.6		ug/L	50.0		89.1	25-162		4.22	30	
tert-Butylbenzene	10.5		ug/L	10.0		105	77-138		7.50	30	
Tetrachloroethylene	6.24		ug/L	10.0		62.4	82-130	Low Bias	2.84	20	
Tetrahydrofuran	10.7		ug/L	10.0		107	36-166		8.01	30	
Toluene	11.4		ug/L	10.0		114	80-127		1.14	20	
trans-1,2-Dichloroethylene	12.3		ug/L	10.0		123	80-130		6.57	20	
trans-1,3-Dichloropropylene	11.6		ug/L	10.0		116	78-130		0.773	20	
trans-1,4-dichloro-2-butene	9.98		ug/L	10.0		99.8	63-141		6.52	30	
Trichloroethylene	10.8		ug/L	10.0		108	82-128		1.12	20	
Trichlorofluoromethane	10.6		ug/L	10.0		106	67-139		4.32	20	
Vinyl acetate	14.2		ug/L	10.0		142	21-90	High Bias	5.34	30	
Vinyl Chloride	10.3		ug/L	10.0		103	70-130		1.77	20	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.81</i>		<i>ug/L</i>	<i>10.0</i>		<i>98.1</i>	<i>70-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.8</i>		<i>ug/L</i>	<i>10.0</i>		<i>108</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>11.1</i>		<i>ug/L</i>	<i>10.0</i>		<i>111</i>	<i>79-122</i>				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50092 - EPA 5030B</b>											
<b>Blank (BK50092-BLK1)</b> <span style="float: right;">Prepared &amp; Analyzed: 11/03/2025</span>											
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	ug/L								
1,1,2-Trichloroethane	ND	0.500	ug/L								
1,1-Dichloroethane	ND	0.500	ug/L								
1,1-Dichloroethylene	ND	0.500	ug/L								
1,1-Dichloropropylene	ND	0.500	ug/L								
1,2,3-Trichlorobenzene	ND	0.500	ug/L								
1,2,3-Trichloropropane	ND	0.500	ug/L								
1,2,4,5-Tetramethylbenzene	ND	0.500	ug/L								
1,2,4-Trichlorobenzene	ND	0.500	ug/L								
1,2,4-Trimethylbenzene	ND	0.500	ug/L								
1,2-Dibromo-3-chloropropane	ND	0.500	ug/L								
1,2-Dibromoethane	ND	0.500	ug/L								
1,2-Dichlorobenzene	ND	0.500	ug/L								
1,2-Dichloroethane	ND	0.500	ug/L								
1,2-Dichloropropane	ND	0.500	ug/L								
1,3,5-Trimethylbenzene	ND	0.500	ug/L								
1,3-Dichlorobenzene	ND	0.500	ug/L								
1,3-Dichloropropane	ND	0.500	ug/L								
1,4-Dichlorobenzene	ND	0.500	ug/L								
2,2-Dichloropropane	ND	0.500	ug/L								
2-Butanone	ND	0.500	ug/L								
2-Chlorotoluene	ND	0.500	ug/L								
2-Hexanone	ND	0.500	ug/L								
4-Chlorotoluene	ND	0.500	ug/L								
4-Methyl-2-pentanone	ND	0.500	ug/L								
Acetone	ND	2.00	ug/L								
Acrolein	ND	0.500	ug/L								
Acrylonitrile	ND	0.500	ug/L								
Benzene	ND	0.500	ug/L								
Bromobenzene	ND	0.500	ug/L								
Bromochloromethane	ND	0.500	ug/L								
Bromodichloromethane	ND	0.500	ug/L								
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	2.00	ug/L								
Carbon disulfide	ND	0.500	ug/L								
Carbon tetrachloride	ND	0.500	ug/L								
Chlorobenzene	ND	0.500	ug/L								
Chloroethane	ND	0.500	ug/L								
Chloroform	ND	0.500	ug/L								
Chloromethane	ND	0.500	ug/L								
cis-1,2-Dichloroethylene	ND	0.500	ug/L								
cis-1,3-Dichloropropylene	ND	0.500	ug/L								
Cyclohexane	ND	0.500	ug/L								
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	ug/L								
Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	ug/L								
Ethyl Benzene	ND	0.500	ug/L								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50092 - EPA 5030B</b>											
<b>Blank (BK50092-BLK1)</b> <span style="float: right;">Prepared &amp; Analyzed: 11/03/2025</span>											
Ethyl tert-butyl ether (ETBE)	ND	0.800	ug/L								
Hexachlorobutadiene	ND	0.500	ug/L								
Iodomethane	ND	2.00	ug/L								
Isopropylbenzene	ND	0.500	ug/L								
Methyl acetate	ND	0.500	ug/L								
Methyl Methacrylate	ND	0.500	ug/L								
Methyl tert-butyl ether (MTBE)	ND	0.500	ug/L								
Methylcyclohexane	ND	0.500	ug/L								
Methylene chloride	ND	2.00	ug/L								
Naphthalene	ND	2.00	ug/L								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	ug/L								
p- & m- Xylenes	ND	1.00	ug/L								
p-Diethylbenzene	ND	0.500	ug/L								
p-Ethyltoluene	ND	0.500	ug/L								
p-Isopropyltoluene	ND	0.500	ug/L								
sec-Butylbenzene	ND	0.500	ug/L								
Styrene	ND	0.500	ug/L								
tert-Amyl alcohol (TAA)	ND	8.00	ug/L								
tert-Amyl methyl ether (TAME)	ND	0.800	ug/L								
tert-Butyl alcohol (TBA)	ND	1.00	ug/L								
tert-Butylbenzene	ND	0.500	ug/L								
Tetrachloroethylene	ND	0.500	ug/L								
Tetrahydrofuran	ND	0.500	ug/L								
Toluene	ND	0.500	ug/L								
trans-1,2-Dichloroethylene	ND	0.500	ug/L								
trans-1,3-Dichloropropylene	ND	0.500	ug/L								
trans-1,4-dichloro-2-butene	ND	0.500	ug/L								
Trichloroethylene	ND	0.500	ug/L								
Trichlorofluoromethane	ND	0.500	ug/L								
Vinyl acetate	ND	0.500	ug/L								
Vinyl Chloride	ND	0.500	ug/L								
Xylenes, Total	ND	1.50	ug/L								
Surrogate: SURRE: 1,2-Dichloroethane-d4	9.96		ug/L	10.0		99.6	69-130				
Surrogate: SURRE: Toluene-d8	11.5		ug/L	10.0		115	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.1		ug/L	10.0		101	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50092 - EPA 5030B</b>											
<b>LCS (BK50092-BS1)</b>						Prepared & Analyzed: 11/03/2025					
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82-126				
1,1,1-Trichloroethane	9.83		ug/L	10.0		98.3	78-136				
1,1,2,2-Tetrachloroethane	9.77		ug/L	10.0		97.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		ug/L	10.0		103	54-165				
1,1,2-Trichloroethane	11.3		ug/L	10.0		113	82-123				
1,1-Dichloroethane	9.52		ug/L	10.0		95.2	82-129				
1,1-Dichloroethylene	10.2		ug/L	10.0		102	68-138				
1,1-Dichloropropylene	9.01		ug/L	10.0		90.1	83-133				
1,2,3-Trichlorobenzene	8.88		ug/L	10.0		88.8	76-136				
1,2,3-Trichloropropane	9.23		ug/L	10.0		92.3	77-128				
1,2,4,5-Tetramethylbenzene	8.75		ug/L	10.0		87.5	85-140				
1,2,4-Trichlorobenzene	9.08		ug/L	10.0		90.8	76-137				
1,2,4-Trimethylbenzene	9.22		ug/L	10.0		92.2	82-132				
1,2-Dibromo-3-chloropropane	9.41		ug/L	10.0		94.1	45-147				
1,2-Dibromoethane	11.5		ug/L	10.0		115	83-124				
1,2-Dichlorobenzene	8.97		ug/L	10.0		89.7	79-123				
1,2-Dichloroethane	9.06		ug/L	10.0		90.6	73-132				
1,2-Dichloropropane	10.5		ug/L	10.0		105	78-126				
1,3,5-Trimethylbenzene	9.30		ug/L	10.0		93.0	80-131				
1,3-Dichlorobenzene	8.73		ug/L	10.0		87.3	86-122				
1,3-Dichloropropane	11.2		ug/L	10.0		112	81-125				
1,4-Dichlorobenzene	8.98		ug/L	10.0		89.8	85-124				
2,2-Dichloropropane	9.52		ug/L	10.0		95.2	56-150				
2-Butanone	9.01		ug/L	10.0		90.1	49-152				
2-Chlorotoluene	8.67		ug/L	10.0		86.7	79-130				
2-Hexanone	11.0		ug/L	10.0		110	51-146				
4-Chlorotoluene	9.01		ug/L	10.0		90.1	79-128				
4-Methyl-2-pentanone	11.2		ug/L	10.0		112	57-145				
Acetone	7.59		ug/L	10.0		75.9	14-150				
Acrolein	47.5		ug/L	40.0		119	10-153				
Acrylonitrile	10.7		ug/L	10.0		107	51-150				
Benzene	9.58		ug/L	10.0		95.8	85-126				
Bromobenzene	8.72		ug/L	10.0		87.2	78-129				
Bromochloromethane	9.50		ug/L	10.0		95.0	77-128				
Bromodichloromethane	11.3		ug/L	10.0		113	79-128				
Bromoform	11.8		ug/L	10.0		118	78-133				
Bromomethane	10.9		ug/L	10.0		109	43-168				
Carbon disulfide	9.66		ug/L	10.0		96.6	68-146				
Carbon tetrachloride	9.74		ug/L	10.0		97.4	77-141				
Chlorobenzene	11.0		ug/L	10.0		110	88-120				
Chloroethane	11.3		ug/L	10.0		113	65-136				
Chloroform	9.37		ug/L	10.0		93.7	82-128				
Chloromethane	7.72		ug/L	10.0		77.2	43-155				
cis-1,2-Dichloroethylene	9.59		ug/L	10.0		95.9	83-129				
cis-1,3-Dichloropropylene	11.6		ug/L	10.0		116	80-131				
Cyclohexane	9.14		ug/L	10.0		91.4	63-149				
Dibromochloromethane	11.3		ug/L	10.0		113	80-130				
Dibromomethane	11.1		ug/L	10.0		111	72-134				
Dichlorodifluoromethane	4.96		ug/L	10.0		49.6	44-144				
Diisopropyl ether (DIPE)	9.11		ug/L	10.0		91.1	70-130				
Ethyl Benzene	10.9		ug/L	10.0		109	80-131				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50092 - EPA 5030B</b>											
<b>LCS (BK50092-BS1)</b>											
Prepared & Analyzed: 11/03/2025											
Ethyl tert-butyl ether (ETBE)	8.90		ug/L	10.0		89.0	70-130				
Hexachlorobutadiene	9.10		ug/L	10.0		91.0	67-146				
Iodomethane	6.01		ug/L	10.0		60.1	70-130	Low Bias			
Isopropylbenzene	9.46		ug/L	10.0		94.6	76-140				
Methyl acetate	14.5		ug/L	10.0		145	51-139	High Bias			
Methyl Methacrylate	12.6		ug/L	10.0		126	72-132				
Methyl tert-butyl ether (MTBE)	8.82		ug/L	10.0		88.2	76-135				
Methylcyclohexane	10.5		ug/L	10.0		105	72-143				
Methylene chloride	10.5		ug/L	10.0		105	55-137				
Naphthalene	9.99		ug/L	10.0		99.9	70-147				
n-Butylbenzene	8.64		ug/L	10.0		86.4	79-132				
n-Propylbenzene	9.21		ug/L	10.0		92.1	78-133				
o-Xylene	11.0		ug/L	10.0		110	78-130				
p- & m- Xylenes	22.0		ug/L	20.0		110	77-133				
p-Diethylbenzene	8.68		ug/L	10.0		86.8	84-134				
p-Ethyltoluene	8.58		ug/L	10.0		85.8	88-129	Low Bias			
p-Isopropyltoluene	9.10		ug/L	10.0		91.0	81-136				
sec-Butylbenzene	9.20		ug/L	10.0		92.0	79-137				
Styrene	10.8		ug/L	10.0		108	67-132				
tert-Amyl alcohol (TAA)	85.1		ug/L	100		85.1	70-130				
tert-Amyl methyl ether (TAME)	8.99		ug/L	10.0		89.9	70-130				
tert-Butyl alcohol (TBA)	48.1		ug/L	50.0		96.1	25-162				
tert-Butylbenzene	9.06		ug/L	10.0		90.6	77-138				
Tetrachloroethylene	6.59		ug/L	10.0		65.9	82-131	Low Bias			
Tetrahydrofuran	9.88		ug/L	10.0		98.8	36-166				
Toluene	10.6		ug/L	10.0		106	80-127				
trans-1,2-Dichloroethylene	9.30		ug/L	10.0		93.0	80-132				
trans-1,3-Dichloropropylene	12.1		ug/L	10.0		121	78-131				
trans-1,4-dichloro-2-butene	9.28		ug/L	10.0		92.8	63-141				
Trichloroethylene	10.2		ug/L	10.0		102	82-128				
Trichlorofluoromethane	9.23		ug/L	10.0		92.3	67-139				
Vinyl acetate	10.7		ug/L	10.0		107	21-90	High Bias			
Vinyl Chloride	8.63		ug/L	10.0		86.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.66		ug/L	10.0		96.6	69-130				
Surrogate: SURR: Toluene-d8	11.3		ug/L	10.0		113	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.47		ug/L	10.0		94.7	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50148 - EPA 5030B</b>											
<b>Blank (BK50148-BLK1)</b>											
Prepared & Analyzed: 11/04/2025											
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	ug/L								
1,1,2-Trichloroethane	ND	0.500	ug/L								
1,1-Dichloroethane	ND	0.500	ug/L								
1,1-Dichloroethylene	ND	0.500	ug/L								
1,1-Dichloropropylene	ND	0.500	ug/L								
1,2,3-Trichlorobenzene	ND	0.500	ug/L								
1,2,3-Trichloropropane	ND	0.500	ug/L								
1,2,4,5-Tetramethylbenzene	ND	0.500	ug/L								
1,2,4-Trichlorobenzene	ND	0.500	ug/L								
1,2,4-Trimethylbenzene	ND	0.500	ug/L								
1,2-Dibromo-3-chloropropane	ND	0.500	ug/L								
1,2-Dibromoethane	ND	0.500	ug/L								
1,2-Dichlorobenzene	ND	0.500	ug/L								
1,2-Dichloroethane	ND	0.500	ug/L								
1,2-Dichloropropane	ND	0.500	ug/L								
1,3,5-Trimethylbenzene	ND	0.500	ug/L								
1,3-Dichlorobenzene	ND	0.500	ug/L								
1,3-Dichloropropane	ND	0.500	ug/L								
1,4-Dichlorobenzene	ND	0.500	ug/L								
2,2-Dichloropropane	ND	0.500	ug/L								
2-Butanone	ND	0.500	ug/L								
2-Chlorotoluene	ND	0.500	ug/L								
2-Hexanone	ND	0.500	ug/L								
4-Chlorotoluene	ND	0.500	ug/L								
4-Methyl-2-pentanone	ND	0.500	ug/L								
Acetone	ND	2.00	ug/L								
Acrolein	0.560	0.500	ug/L								
Acrylonitrile	ND	0.500	ug/L								
Benzene	ND	0.500	ug/L								
Bromobenzene	ND	0.500	ug/L								
Bromochloromethane	ND	0.500	ug/L								
Bromodichloromethane	ND	0.500	ug/L								
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	2.00	ug/L								
Carbon disulfide	ND	0.500	ug/L								
Carbon tetrachloride	ND	0.500	ug/L								
Chlorobenzene	ND	0.500	ug/L								
Chloroethane	ND	0.500	ug/L								
Chloroform	ND	0.500	ug/L								
Chloromethane	ND	0.500	ug/L								
cis-1,2-Dichloroethylene	ND	0.500	ug/L								
cis-1,3-Dichloropropylene	ND	0.500	ug/L								
Cyclohexane	ND	0.500	ug/L								
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	ug/L								
Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	ug/L								
Ethyl Benzene	ND	0.500	ug/L								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50148 - EPA 5030B</b>											
<b>Blank (BK50148-BLK1)</b> <span style="float: right;">Prepared &amp; Analyzed: 11/04/2025</span>											
Ethyl tert-butyl ether (ETBE)	ND	0.800	ug/L								
Hexachlorobutadiene	ND	0.500	ug/L								
Iodomethane	ND	2.00	ug/L								
Isopropylbenzene	ND	0.500	ug/L								
Methyl acetate	ND	0.500	ug/L								
Methyl Methacrylate	ND	0.500	ug/L								
Methyl tert-butyl ether (MTBE)	ND	0.500	ug/L								
Methylcyclohexane	ND	0.500	ug/L								
Methylene chloride	ND	2.00	ug/L								
Naphthalene	ND	2.00	ug/L								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	ug/L								
p- & m- Xylenes	ND	1.00	ug/L								
p-Diethylbenzene	ND	0.500	ug/L								
p-Ethyltoluene	ND	0.500	ug/L								
p-Isopropyltoluene	ND	0.500	ug/L								
sec-Butylbenzene	ND	0.500	ug/L								
Styrene	ND	0.500	ug/L								
tert-Amyl alcohol (TAA)	ND	8.00	ug/L								
tert-Amyl methyl ether (TAME)	ND	0.800	ug/L								
tert-Butyl alcohol (TBA)	ND	1.00	ug/L								
tert-Butylbenzene	ND	0.500	ug/L								
Tetrachloroethylene	ND	0.500	ug/L								
Tetrahydrofuran	ND	0.500	ug/L								
Toluene	ND	0.500	ug/L								
trans-1,2-Dichloroethylene	ND	0.500	ug/L								
trans-1,3-Dichloropropylene	ND	0.500	ug/L								
trans-1,4-dichloro-2-butene	ND	0.500	ug/L								
Trichloroethylene	ND	0.500	ug/L								
Trichlorofluoromethane	ND	0.500	ug/L								
Vinyl acetate	ND	0.500	ug/L								
Vinyl Chloride	ND	0.500	ug/L								
Xylenes, Total	ND	1.50	ug/L								
Surrogate: SURRE: 1,2-Dichloroethane-d4	11.0		ug/L	10.0		110	69-130				
Surrogate: SURRE: Toluene-d8	10.8		ug/L	10.0		108	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	11.0		ug/L	10.0		110	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50148 - EPA 5030B</b>											
<b>LCS (BK50148-BS1)</b>						Prepared & Analyzed: 11/04/2025					
1,1,1,2-Tetrachloroethane	12.4		ug/L	10.0		124	82-126				
1,1,1-Trichloroethane	12.2		ug/L	10.0		122	78-136				
1,1,2,2-Tetrachloroethane	12.8		ug/L	10.0		128	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.4		ug/L	10.0		134	54-165				
1,1,2-Trichloroethane	11.4		ug/L	10.0		114	82-123				
1,1-Dichloroethane	11.7		ug/L	10.0		117	82-129				
1,1-Dichloroethylene	13.8		ug/L	10.0		138	68-138				
1,1-Dichloropropylene	11.5		ug/L	10.0		115	83-133				
1,2,3-Trichlorobenzene	11.6		ug/L	10.0		116	76-136				
1,2,3-Trichloropropane	11.2		ug/L	10.0		112	77-128				
1,2,4,5-Tetramethylbenzene	11.9		ug/L	10.0		119	85-140				
1,2,4-Trichlorobenzene	11.6		ug/L	10.0		116	76-137				
1,2,4-Trimethylbenzene	12.4		ug/L	10.0		124	82-132				
1,2-Dibromo-3-chloropropane	12.9		ug/L	10.0		129	45-147				
1,2-Dibromoethane	11.6		ug/L	10.0		116	83-124				
1,2-Dichlorobenzene	11.1		ug/L	10.0		111	79-123				
1,2-Dichloroethane	11.3		ug/L	10.0		113	73-132				
1,2-Dichloropropane	12.3		ug/L	10.0		123	78-126				
1,3,5-Trimethylbenzene	12.4		ug/L	10.0		124	80-131				
1,3-Dichlorobenzene	11.3		ug/L	10.0		113	86-122				
1,3-Dichloropropane	11.6		ug/L	10.0		116	81-125				
1,4-Dichlorobenzene	11.0		ug/L	10.0		110	85-124				
2,2-Dichloropropane	12.3		ug/L	10.0		123	56-150				
2-Butanone	10.6		ug/L	10.0		106	49-152				
2-Chlorotoluene	12.4		ug/L	10.0		124	79-130				
2-Hexanone	10.3		ug/L	10.0		103	51-146				
4-Chlorotoluene	12.4		ug/L	10.0		124	79-128				
4-Methyl-2-pentanone	11.7		ug/L	10.0		117	57-145				
Acetone	7.60		ug/L	10.0		76.0	14-150				
Acrolein	37.6		ug/L	40.0		94.1	10-153				
Acrylonitrile	11.2		ug/L	10.0		112	51-150				
Benzene	12.4		ug/L	10.0		124	85-126				
Bromobenzene	12.3		ug/L	10.0		123	78-129				
Bromochloromethane	12.6		ug/L	10.0		126	77-128				
Bromodichloromethane	13.1		ug/L	10.0		131	79-128	High Bias			
Bromoform	10.6		ug/L	10.0		106	78-133				
Bromomethane	13.6		ug/L	10.0		136	43-168				
Carbon disulfide	13.7		ug/L	10.0		137	68-146				
Carbon tetrachloride	13.0		ug/L	10.0		130	77-141				
Chlorobenzene	11.6		ug/L	10.0		116	88-120				
Chloroethane	18.5		ug/L	10.0		185	65-136	High Bias			
Chloroform	11.9		ug/L	10.0		119	82-128				
Chloromethane	12.7		ug/L	10.0		127	43-155				
cis-1,2-Dichloroethylene	12.4		ug/L	10.0		124	83-129				
cis-1,3-Dichloropropylene	12.3		ug/L	10.0		123	80-131				
Cyclohexane	12.4		ug/L	10.0		124	63-149				
Dibromochloromethane	12.7		ug/L	10.0		127	80-130				
Dibromomethane	11.4		ug/L	10.0		114	72-134				
Dichlorodifluoromethane	12.5		ug/L	10.0		125	44-144				
Diisopropyl ether (DIPE)	12.2		ug/L	10.0		122	70-130				
Ethyl Benzene	12.8		ug/L	10.0		128	80-131				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50148 - EPA 5030B</b>											
<b>LCS (BK50148-BS1)</b>											
Prepared & Analyzed: 11/04/2025											
Ethyl tert-butyl ether (ETBE)	10.1		ug/L	10.0		101	70-130				
Hexachlorobutadiene	10.1		ug/L	10.0		101	67-146				
Iodomethane	10.5		ug/L	10.0		105	70-130				
Isopropylbenzene	12.6		ug/L	10.0		126	76-140				
Methyl acetate	21.2		ug/L	10.0		212	51-139	High Bias			
Methyl Methacrylate	14.2		ug/L	10.0		142	72-132	High Bias			
Methyl tert-butyl ether (MTBE)	10.8		ug/L	10.0		108	76-135				
Methylcyclohexane	11.6		ug/L	10.0		116	72-143				
Methylene chloride	14.4		ug/L	10.0		144	55-137	High Bias			
Naphthalene	12.1		ug/L	10.0		121	70-147				
n-Butylbenzene	10.2		ug/L	10.0		102	79-132				
n-Propylbenzene	12.9		ug/L	10.0		129	78-133				
o-Xylene	12.4		ug/L	10.0		124	78-130				
p- & m- Xylenes	27.0		ug/L	20.0		135	77-133	High Bias			
p-Diethylbenzene	12.1		ug/L	10.0		121	84-134				
p-Ethyltoluene	12.6		ug/L	10.0		126	88-129				
p-Isopropyltoluene	12.4		ug/L	10.0		124	81-136				
sec-Butylbenzene	11.9		ug/L	10.0		119	79-137				
Styrene	11.7		ug/L	10.0		117	67-132				
tert-Amyl alcohol (TAA)	104		ug/L	100		104	70-130				
tert-Amyl methyl ether (TAME)	9.82		ug/L	10.0		98.2	70-130				
tert-Butyl alcohol (TBA)	49.7		ug/L	50.0		99.4	25-162				
tert-Butylbenzene	11.1		ug/L	10.0		111	77-138				
Tetrachloroethylene	6.43		ug/L	10.0		64.3	82-131	Low Bias			
Tetrahydrofuran	12.1		ug/L	10.0		121	36-166				
Toluene	12.2		ug/L	10.0		122	80-127				
trans-1,2-Dichloroethylene	13.8		ug/L	10.0		138	80-132	High Bias			
trans-1,3-Dichloropropylene	12.1		ug/L	10.0		121	78-131				
trans-1,4-dichloro-2-butene	10.4		ug/L	10.0		104	63-141				
Trichloroethylene	11.4		ug/L	10.0		114	82-128				
Trichlorofluoromethane	12.6		ug/L	10.0		126	67-139				
Vinyl acetate	14.2		ug/L	10.0		142	21-90	High Bias			
Vinyl Chloride	13.3		ug/L	10.0		133	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.95		ug/L	10.0		99.5	69-130				
Surrogate: SURR: Toluene-d8	10.7		ug/L	10.0		107	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.9		ug/L	10.0		109	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50333 - EPA 5030B</b>											
<b>Blank (BK50333-BLK1)</b> <span style="float: right;">Prepared &amp; Analyzed: 11/06/2025</span>											
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	ug/L								
1,1,2-Trichloroethane	ND	0.500	ug/L								
1,1-Dichloroethane	ND	0.500	ug/L								
1,1-Dichloroethylene	ND	0.500	ug/L								
1,1-Dichloropropylene	ND	0.500	ug/L								
1,2,3-Trichlorobenzene	ND	0.500	ug/L								
1,2,3-Trichloropropane	ND	0.500	ug/L								
1,2,4,5-Tetramethylbenzene	ND	0.500	ug/L								
1,2,4-Trichlorobenzene	ND	0.500	ug/L								
1,2,4-Trimethylbenzene	ND	0.500	ug/L								
1,2-Dibromo-3-chloropropane	ND	0.500	ug/L								
1,2-Dibromoethane	ND	0.500	ug/L								
1,2-Dichlorobenzene	ND	0.500	ug/L								
1,2-Dichloroethane	ND	0.500	ug/L								
1,2-Dichloropropane	ND	0.500	ug/L								
1,3,5-Trimethylbenzene	ND	0.500	ug/L								
1,3-Dichlorobenzene	ND	0.500	ug/L								
1,3-Dichloropropane	ND	0.500	ug/L								
1,4-Dichlorobenzene	ND	0.500	ug/L								
2,2-Dichloropropane	ND	0.500	ug/L								
2-Butanone	ND	0.500	ug/L								
2-Chlorotoluene	ND	0.500	ug/L								
2-Hexanone	ND	0.500	ug/L								
4-Chlorotoluene	ND	0.500	ug/L								
4-Methyl-2-pentanone	ND	0.500	ug/L								
Acetone	ND	2.00	ug/L								
Acrolein	ND	0.500	ug/L								
Acrylonitrile	ND	0.500	ug/L								
Benzene	ND	0.500	ug/L								
Bromobenzene	ND	0.500	ug/L								
Bromochloromethane	ND	0.500	ug/L								
Bromodichloromethane	ND	0.500	ug/L								
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	2.00	ug/L								
Carbon disulfide	ND	0.500	ug/L								
Carbon tetrachloride	ND	0.500	ug/L								
Chlorobenzene	ND	0.500	ug/L								
Chloroethane	ND	0.500	ug/L								
Chloroform	ND	0.500	ug/L								
Chloromethane	ND	0.500	ug/L								
cis-1,2-Dichloroethylene	ND	0.500	ug/L								
cis-1,3-Dichloropropylene	ND	0.500	ug/L								
Cyclohexane	ND	0.500	ug/L								
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	ug/L								
Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	ug/L								
Ethyl Benzene	ND	0.500	ug/L								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50333 - EPA 5030B</b>											
<b>Blank (BK50333-BLK1)</b> <span style="float: right;">Prepared &amp; Analyzed: 11/06/2025</span>											
Ethyl tert-butyl ether (ETBE)	ND	0.800	ug/L								
Hexachlorobutadiene	ND	0.500	ug/L								
Iodomethane	ND	2.00	ug/L								
Isopropylbenzene	ND	0.500	ug/L								
Methyl acetate	ND	0.500	ug/L								
Methyl Methacrylate	ND	0.500	ug/L								
Methyl tert-butyl ether (MTBE)	ND	0.500	ug/L								
Methylcyclohexane	ND	0.500	ug/L								
Methylene chloride	ND	2.00	ug/L								
Naphthalene	ND	2.00	ug/L								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	ug/L								
p- & m- Xylenes	ND	1.00	ug/L								
p-Diethylbenzene	ND	0.500	ug/L								
p-Ethyltoluene	ND	0.500	ug/L								
p-Isopropyltoluene	ND	0.500	ug/L								
sec-Butylbenzene	ND	0.500	ug/L								
Styrene	ND	0.500	ug/L								
tert-Amyl alcohol (TAA)	ND	8.00	ug/L								
tert-Amyl methyl ether (TAME)	ND	0.800	ug/L								
tert-Butyl alcohol (TBA)	ND	1.00	ug/L								
tert-Butylbenzene	ND	0.500	ug/L								
Tetrachloroethylene	ND	0.500	ug/L								
Tetrahydrofuran	ND	0.500	ug/L								
Toluene	ND	0.500	ug/L								
trans-1,2-Dichloroethylene	ND	0.500	ug/L								
trans-1,3-Dichloropropylene	ND	0.500	ug/L								
trans-1,4-dichloro-2-butene	ND	0.500	ug/L								
Trichloroethylene	ND	0.500	ug/L								
Trichlorofluoromethane	ND	0.500	ug/L								
Vinyl acetate	ND	0.500	ug/L								
Vinyl Chloride	ND	0.500	ug/L								
Xylenes, Total	ND	1.50	ug/L								
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.1		ug/L	10.0		101	69-130				
Surrogate: SURRE: Toluene-d8	10.2		ug/L	10.0		102	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.5		ug/L	10.0		105	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50333 - EPA 5030B</b>											
<b>LCS (BK50333-BS1)</b>						Prepared & Analyzed: 11/06/2025					
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	11.2		ug/L	10.0		112	78-136				
1,1,2,2-Tetrachloroethane	10.6		ug/L	10.0		106	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8		ug/L	10.0		118	54-165				
1,1,2-Trichloroethane	10.8		ug/L	10.0		108	82-123				
1,1-Dichloroethane	10.4		ug/L	10.0		104	82-129				
1,1-Dichloroethylene	11.5		ug/L	10.0		115	68-138				
1,1-Dichloropropylene	10.6		ug/L	10.0		106	83-133				
1,2,3-Trichlorobenzene	9.54		ug/L	10.0		95.4	76-136				
1,2,3-Trichloropropane	10.9		ug/L	10.0		109	77-128				
1,2,4,5-Tetramethylbenzene	10.1		ug/L	10.0		101	85-140				
1,2,4-Trichlorobenzene	10.2		ug/L	10.0		102	76-137				
1,2,4-Trimethylbenzene	10.7		ug/L	10.0		107	82-132				
1,2-Dibromo-3-chloropropane	12.0		ug/L	10.0		120	45-147				
1,2-Dibromoethane	11.1		ug/L	10.0		111	83-124				
1,2-Dichlorobenzene	10.2		ug/L	10.0		102	79-123				
1,2-Dichloroethane	10.1		ug/L	10.0		101	73-132				
1,2-Dichloropropane	10.5		ug/L	10.0		105	78-126				
1,3,5-Trimethylbenzene	10.8		ug/L	10.0		108	80-131				
1,3-Dichlorobenzene	10.0		ug/L	10.0		100	86-122				
1,3-Dichloropropane	10.8		ug/L	10.0		108	81-125				
1,4-Dichlorobenzene	10.4		ug/L	10.0		104	85-124				
2,2-Dichloropropane	12.2		ug/L	10.0		122	56-150				
2-Butanone	9.29		ug/L	10.0		92.9	49-152				
2-Chlorotoluene	10.0		ug/L	10.0		100	79-130				
2-Hexanone	10.5		ug/L	10.0		105	51-146				
4-Chlorotoluene	10.9		ug/L	10.0		109	79-128				
4-Methyl-2-pentanone	10.8		ug/L	10.0		108	57-145				
Acetone	5.67		ug/L	10.0		56.7	14-150				
Acrolein	21.1		ug/L	40.0		52.6	10-153				
Acrylonitrile	10.9		ug/L	10.0		109	51-150				
Benzene	10.6		ug/L	10.0		106	85-126				
Bromobenzene	10.4		ug/L	10.0		104	78-129				
Bromochloromethane	10.5		ug/L	10.0		105	77-128				
Bromodichloromethane	10.9		ug/L	10.0		109	79-128				
Bromoform	11.4		ug/L	10.0		114	78-133				
Bromomethane	11.2		ug/L	10.0		112	43-168				
Carbon disulfide	11.0		ug/L	10.0		110	68-146				
Carbon tetrachloride	11.5		ug/L	10.0		115	77-141				
Chlorobenzene	10.6		ug/L	10.0		106	88-120				
Chloroethane	13.4		ug/L	10.0		134	65-136				
Chloroform	10.1		ug/L	10.0		101	82-128				
Chloromethane	9.84		ug/L	10.0		98.4	43-155				
cis-1,2-Dichloroethylene	10.8		ug/L	10.0		108	83-129				
cis-1,3-Dichloropropylene	11.2		ug/L	10.0		112	80-131				
Cyclohexane	11.9		ug/L	10.0		119	63-149				
Dibromochloromethane	10.9		ug/L	10.0		109	80-130				
Dibromomethane	10.8		ug/L	10.0		108	72-134				
Dichlorodifluoromethane	10.1		ug/L	10.0		101	44-144				
Diisopropyl ether (DIPE)	9.37		ug/L	10.0		93.7	70-130				
Ethyl Benzene	10.9		ug/L	10.0		109	80-131				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50333 - EPA 5030B</b>											
<b>LCS (BK50333-BS1)</b>											
Prepared & Analyzed: 11/06/2025											
Ethyl tert-butyl ether (ETBE)	9.07		ug/L	10.0		90.7	70-130				
Hexachlorobutadiene	11.5		ug/L	10.0		115	67-146				
Iodomethane	6.66		ug/L	10.0		66.6	70-130	Low Bias			
Isopropylbenzene	11.0		ug/L	10.0		110	76-140				
Methyl acetate	14.4		ug/L	10.0		144	51-139	High Bias			
Methyl Methacrylate	11.9		ug/L	10.0		119	72-132				
Methyl tert-butyl ether (MTBE)	8.92		ug/L	10.0		89.2	76-135				
Methylcyclohexane	11.6		ug/L	10.0		116	72-143				
Methylene chloride	9.55		ug/L	10.0		95.5	55-137				
Naphthalene	10.2		ug/L	10.0		102	70-147				
n-Butylbenzene	10.8		ug/L	10.0		108	79-132				
n-Propylbenzene	10.9		ug/L	10.0		109	78-133				
o-Xylene	10.7		ug/L	10.0		107	78-130				
p- & m- Xylenes	21.6		ug/L	20.0		108	77-133				
p-Diethylbenzene	10.6		ug/L	10.0		106	84-134				
p-Ethyltoluene	10.2		ug/L	10.0		102	88-129				
p-Isopropyltoluene	10.9		ug/L	10.0		109	81-136				
sec-Butylbenzene	11.1		ug/L	10.0		111	79-137				
Styrene	10.3		ug/L	10.0		103	67-132				
tert-Amyl alcohol (TAA)	94.7		ug/L	100		94.7	70-130				
tert-Amyl methyl ether (TAME)	9.44		ug/L	10.0		94.4	70-130				
tert-Butyl alcohol (TBA)	51.6		ug/L	50.0		103	25-162				
tert-Butylbenzene	10.8		ug/L	10.0		108	77-138				
Tetrachloroethylene	7.59		ug/L	10.0		75.9	82-131	Low Bias			
Tetrahydrofuran	9.74		ug/L	10.0		97.4	36-166				
Toluene	11.0		ug/L	10.0		110	80-127				
trans-1,2-Dichloroethylene	10.5		ug/L	10.0		105	80-132				
trans-1,3-Dichloropropylene	11.8		ug/L	10.0		118	78-131				
trans-1,4-dichloro-2-butene	10.8		ug/L	10.0		108	63-141				
Trichloroethylene	10.8		ug/L	10.0		108	82-128				
Trichlorofluoromethane	11.0		ug/L	10.0		110	67-139				
Vinyl acetate	9.99		ug/L	10.0		99.9	21-90	High Bias			
Vinyl Chloride	11.0		ug/L	10.0		110	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.50		ug/L	10.0		95.0	69-130				
Surrogate: SURR: Toluene-d8	10.2		ug/L	10.0		102	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.91		ug/L	10.0		99.1	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC %REC	Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50333 - EPA 5030B</b>											
<b>LCS Dup (BK50333-BSD1)</b>						Prepared & Analyzed: 11/06/2025					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		0.850	30	
1,1,1-Trichloroethane	11.3		ug/L	10.0		113	78-136		0.620	30	
1,1,2,2-Tetrachloroethane	10.8		ug/L	10.0		108	76-129		1.31	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.6		ug/L	10.0		126	54-165		6.90	30	
1,1,2-Trichloroethane	10.7		ug/L	10.0		107	82-123		0.836	30	
1,1-Dichloroethane	10.6		ug/L	10.0		106	82-129		1.81	30	
1,1-Dichloroethylene	12.2		ug/L	10.0		122	68-138		5.15	30	
1,1-Dichloropropylene	10.8		ug/L	10.0		108	83-133		1.50	30	
1,2,3-Trichlorobenzene	10.1		ug/L	10.0		101	76-136		5.60	30	
1,2,3-Trichloropropane	10.9		ug/L	10.0		109	77-128		0.368	30	
1,2,4,5-Tetramethylbenzene	10.4		ug/L	10.0		104	85-140		2.44	30	
1,2,4-Trichlorobenzene	10.6		ug/L	10.0		106	76-137		3.27	30	
1,2,4-Trimethylbenzene	10.8		ug/L	10.0		108	82-132		1.49	30	
1,2-Dibromo-3-chloropropane	11.6		ug/L	10.0		116	45-147		2.80	30	
1,2-Dibromoethane	11.0		ug/L	10.0		110	83-124		1.63	30	
1,2-Dichlorobenzene	10.4		ug/L	10.0		104	79-123		1.55	30	
1,2-Dichloroethane	10.3		ug/L	10.0		103	73-132		2.16	30	
1,2-Dichloropropane	10.4		ug/L	10.0		104	78-126		0.766	30	
1,3,5-Trimethylbenzene	11.0		ug/L	10.0		110	80-131		1.46	30	
1,3-Dichlorobenzene	10.3		ug/L	10.0		103	86-122		2.84	30	
1,3-Dichloropropane	10.7		ug/L	10.0		107	81-125		0.558	30	
1,4-Dichlorobenzene	10.5		ug/L	10.0		105	85-124		1.06	30	
2,2-Dichloropropane	12.3		ug/L	10.0		123	56-150		0.327	30	
2-Butanone	9.82		ug/L	10.0		98.2	49-152		5.55	30	
2-Chlorotoluene	10.3		ug/L	10.0		103	79-130		2.76	30	
2-Hexanone	10.7		ug/L	10.0		107	51-146		2.17	30	
4-Chlorotoluene	11.0		ug/L	10.0		110	79-128		0.912	30	
4-Methyl-2-pentanone	10.8		ug/L	10.0		108	57-145		0.00	30	
Acetone	6.18		ug/L	10.0		61.8	14-150		8.61	30	
Acrolein	25.1		ug/L	40.0		62.8	10-153		17.6	30	
Acrylonitrile	11.1		ug/L	10.0		111	51-150		1.54	30	
Benzene	10.8		ug/L	10.0		108	85-126		1.31	30	
Bromobenzene	10.5		ug/L	10.0		105	78-129		1.63	30	
Bromochloromethane	10.7		ug/L	10.0		107	77-128		2.08	30	
Bromodichloromethane	11.0		ug/L	10.0		110	79-128		0.183	30	
Bromoform	11.4		ug/L	10.0		114	78-133		0.175	30	
Bromomethane	11.6		ug/L	10.0		116	43-168		3.07	30	
Carbon disulfide	11.4		ug/L	10.0		114	68-146		3.38	30	
Carbon tetrachloride	11.6		ug/L	10.0		116	77-141		0.780	30	
Chlorobenzene	10.7		ug/L	10.0		107	88-120		0.375	30	
Chloroethane	14.4		ug/L	10.0		144	65-136	High Bias	6.68	30	
Chloroform	10.4		ug/L	10.0		104	82-128		2.53	30	
Chloromethane	10.7		ug/L	10.0		107	43-155		8.28	30	
cis-1,2-Dichloroethylene	10.9		ug/L	10.0		109	83-129		1.47	30	
cis-1,3-Dichloropropylene	11.2		ug/L	10.0		112	80-131		0.0896	30	
Cyclohexane	12.2		ug/L	10.0		122	63-149		2.90	30	
Dibromochloromethane	11.0		ug/L	10.0		110	80-130		0.638	30	
Dibromomethane	10.8		ug/L	10.0		108	72-134		0.185	30	
Dichlorodifluoromethane	12.2		ug/L	10.0		122	44-144		18.3	30	
Diisopropyl ether (DIPE)	9.78		ug/L	10.0		97.8	70-130		4.28	30	
Ethyl Benzene	10.8		ug/L	10.0		108	80-131		0.553	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC %REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50333 - EPA 5030B</b>											
<b>LCS Dup (BK50333-BSD1)</b>											
										Prepared & Analyzed: 11/06/2025	
Ethyl tert-butyl ether (ETBE)	9.63		ug/L	10.0		96.3	70-130		5.99	30	
Hexachlorobutadiene	11.6		ug/L	10.0		116	67-146		0.952	30	
Iodomethane	7.50		ug/L	10.0		75.0	70-130		11.9	30	
Isopropylbenzene	11.2		ug/L	10.0		112	76-140		1.71	30	
Methyl acetate	15.9		ug/L	10.0		159	51-139	High Bias	9.44	30	
Methyl Methacrylate	11.6		ug/L	10.0		116	72-132		2.73	30	
Methyl tert-butyl ether (MTBE)	9.15		ug/L	10.0		91.5	76-135		2.55	30	
Methylcyclohexane	11.7		ug/L	10.0		117	72-143		0.687	30	
Methylene chloride	10.2		ug/L	10.0		102	55-137		6.39	30	
Naphthalene	10.7		ug/L	10.0		107	70-147		5.27	30	
n-Butylbenzene	11.0		ug/L	10.0		110	79-132		2.20	30	
n-Propylbenzene	11.1		ug/L	10.0		111	78-133		1.63	30	
o-Xylene	10.8		ug/L	10.0		108	78-130		0.928	30	
p- & m- Xylenes	21.6		ug/L	20.0		108	77-133		0.231	30	
p-Diethylbenzene	11.0		ug/L	10.0		110	84-134		3.61	30	
p-Ethyltoluene	10.5		ug/L	10.0		105	88-129		2.71	30	
p-Isopropyltoluene	11.0		ug/L	10.0		110	81-136		0.733	30	
sec-Butylbenzene	11.4		ug/L	10.0		114	79-137		2.58	30	
Styrene	10.3		ug/L	10.0		103	67-132		0.485	30	
tert-Amyl alcohol (TAA)	97.9		ug/L	100		97.9	70-130		3.36	30	
tert-Amyl methyl ether (TAME)	9.93		ug/L	10.0		99.3	70-130		5.06	30	
tert-Butyl alcohol (TBA)	51.9		ug/L	50.0		104	25-162		0.541	30	
tert-Butylbenzene	11.0		ug/L	10.0		110	77-138		1.83	30	
Tetrachloroethylene	7.47		ug/L	10.0		74.7	82-131	Low Bias	1.59	30	
Tetrahydrofuran	10.1		ug/L	10.0		101	36-166		3.53	30	
Toluene	10.9		ug/L	10.0		109	80-127		1.00	30	
trans-1,2-Dichloroethylene	10.6		ug/L	10.0		106	80-132		1.80	30	
trans-1,3-Dichloropropylene	11.6		ug/L	10.0		116	78-131		1.02	30	
trans-1,4-dichloro-2-butene	11.1		ug/L	10.0		111	63-141		3.47	30	
Trichloroethylene	10.6		ug/L	10.0		106	82-128		1.59	30	
Trichlorofluoromethane	11.7		ug/L	10.0		117	67-139		6.62	30	
Vinyl acetate	10.3		ug/L	10.0		103	21-90	High Bias	2.86	30	
Vinyl Chloride	11.6		ug/L	10.0		116	58-145		5.33	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.89		ug/L	10.0		98.9	69-130				
Surrogate: SURR: Toluene-d8	10.1		ug/L	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		ug/L	10.0		100	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50333 - EPA 5030B</b>											
<b>Matrix Spike (BK50333-MS1)</b>	*Source sample: 25J1813-03 (MW-75)					Prepared & Analyzed: 11/06/2025					
1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0	0.00	114	45-161				
1,1,1-Trichloroethane	13.6		ug/L	10.0	0.550	130	70-146				
1,1,2,2-Tetrachloroethane	12.1		ug/L	10.0	0.00	121	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.53		ug/L	10.0	0.00	75.3	21-217				
1,1,2-Trichloroethane	12.0		ug/L	10.0	0.00	120	59-146				
1,1-Dichloroethane	29.5		ug/L	10.0	17.6	118	54-146				
1,1-Dichloroethylene	13.7		ug/L	10.0	2.60	111	44-165				
1,1-Dichloropropylene	9.30		ug/L	10.0	0.00	93.0	82-134				
1,2,3-Trichlorobenzene	6.03		ug/L	10.0	0.00	60.3	40-161				
1,2,3-Trichloropropane	12.3		ug/L	10.0	0.00	123	74-127				
1,2,4,5-Tetramethylbenzene	6.28		ug/L	10.0	0.00	62.8	27-190				
1,2,4-Trichlorobenzene	5.89		ug/L	10.0	0.00	58.9	41-161				
1,2,4-Trimethylbenzene	7.84		ug/L	10.0	0.00	78.4	72-129				
1,2-Dibromo-3-chloropropane	13.0		ug/L	10.0	0.00	130	31-151				
1,2-Dibromoethane	12.5		ug/L	10.0	0.00	125	75-125				
1,2-Dichlorobenzene	8.74		ug/L	10.0	0.00	87.4	63-122				
1,2-Dichloroethane	11.3		ug/L	10.0	0.00	113	68-131				
1,2-Dichloropropane	11.2		ug/L	10.0	0.00	112	77-121				
1,3,5-Trimethylbenzene	8.00		ug/L	10.0	0.00	80.0	69-126				
1,3-Dichlorobenzene	7.43		ug/L	10.0	0.00	74.3	74-119				
1,3-Dichloropropane	11.8		ug/L	10.0	0.00	118	77-119				
1,4-Dichlorobenzene	7.70		ug/L	10.0	0.00	77.0	70-124				
2,2-Dichloropropane	11.8		ug/L	10.0	0.00	118	10-160				
2-Butanone	13.3		ug/L	10.0	0.00	133	10-193				
2-Chlorotoluene	7.96		ug/L	10.0	0.00	79.6	70-126				
2-Hexanone	11.7		ug/L	10.0	0.00	117	53-133				
4-Chlorotoluene	8.05		ug/L	10.0	0.00	80.5	69-124				
4-Methyl-2-pentanone	11.7		ug/L	10.0	0.00	117	38-150				
Acetone	7.84		ug/L	10.0	1.63	62.1	13-149				
Acrolein	22.6		ug/L	40.0	0.00	56.4	10-195				
Acrylonitrile	11.7		ug/L	10.0	0.00	117	37-165				
Benzene	11.7		ug/L	10.0	0.00	117	38-155				
Bromobenzene	9.85		ug/L	10.0	0.00	98.5	72-122				
Bromochloromethane	11.5		ug/L	10.0	0.00	115	75-121				
Bromodichloromethane	12.1		ug/L	10.0	0.00	121	70-129				
Bromoform	13.0		ug/L	10.0	0.00	130	66-136				
Bromomethane	8.73		ug/L	10.0	0.00	87.3	30-158				
Carbon disulfide	8.80		ug/L	10.0	0.220	85.8	10-138				
Carbon tetrachloride	11.6		ug/L	10.0	0.00	116	71-146				
Chlorobenzene	10.2		ug/L	10.0	0.00	102	81-117				
Chloroethane	15.4		ug/L	10.0	0.00	154	51-145	High Bias			
Chloroform	11.5		ug/L	10.0	0.00	115	80-124				
Chloromethane	9.32		ug/L	10.0	0.00	93.2	16-163				
cis-1,2-Dichloroethylene	24.6		ug/L	10.0	13.3	113	76-125				
cis-1,3-Dichloropropylene	11.0		ug/L	10.0	0.00	110	58-131				
Cyclohexane	9.88		ug/L	10.0	0.00	98.8	70-130				
Dibromochloromethane	12.5		ug/L	10.0	0.00	125	71-129				
Dibromomethane	12.2		ug/L	10.0	0.00	122	76-120	High Bias			
Dichlorodifluoromethane	8.17		ug/L	10.0	0.00	81.7	30-147				
Diisopropyl ether (DIPE)	10.3		ug/L	10.0	0.00	103	70-130				
Ethyl Benzene	9.50		ug/L	10.0	0.00	95.0	72-128				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50333 - EPA 5030B</b>											
<b>Matrix Spike (BK50333-MS1)</b>	*Source sample: 25J1813-03 (MW-75)						Prepared & Analyzed: 11/06/2025				
Ethyl tert-butyl ether (ETBE)	10.1		ug/L	10.0	0.00	101	70-130				
Hexachlorobutadiene	5.60		ug/L	10.0	0.00	56.0	34-166				
Iodomethane	8.24		ug/L	10.0	0.00	82.4	70-130				
Isopropylbenzene	9.23		ug/L	10.0	0.00	92.3	66-139				
Methyl acetate	14.8		ug/L	10.0	0.00	148	10-200				
Methyl Methacrylate	13.2		ug/L	10.0	0.00	132	68-124	High Bias			
Methyl tert-butyl ether (MTBE)	9.96		ug/L	10.0	0.00	99.6	75-128				
Methylcyclohexane	6.62		ug/L	10.0	0.00	66.2	70-130	Low Bias			
Methylene chloride	10.0		ug/L	10.0	0.00	100	57-128				
Naphthalene	8.85		ug/L	10.0	0.00	88.5	39-158				
n-Butylbenzene	5.39		ug/L	10.0	0.00	53.9	61-138	Low Bias			
n-Propylbenzene	7.65		ug/L	10.0	0.00	76.5	66-134				
o-Xylene	9.76		ug/L	10.0	0.00	97.6	69-126				
p- & m- Xylenes	17.5		ug/L	20.0	0.00	87.4	67-130				
p-Diethylbenzene	5.56		ug/L	10.0	0.00	55.6	52-150				
p-Ethyltoluene	6.85		ug/L	10.0	0.00	68.5	76-127	Low Bias			
p-Isopropyltoluene	6.46		ug/L	10.0	0.00	64.6	64-137				
sec-Butylbenzene	7.41		ug/L	10.0	0.00	74.1	53-155				
Styrene	9.33		ug/L	10.0	0.00	93.3	69-125				
tert-Amyl alcohol (TAA)	123		ug/L	100	0.00	123	70-130				
tert-Amyl methyl ether (TAME)	10.6		ug/L	10.0	0.00	106	70-130				
tert-Butyl alcohol (TBA)	49.4		ug/L	50.0	0.00	98.8	10-130				
tert-Butylbenzene	8.88		ug/L	10.0	0.00	88.8	65-139				
Tetrachloroethylene	5.43		ug/L	10.0	0.00	54.3	64-139	Low Bias			
Tetrahydrofuran	11.1		ug/L	10.0	0.00	111	10-188				
Toluene	10.8		ug/L	10.0	0.00	108	76-123				
trans-1,2-Dichloroethylene	9.61		ug/L	10.0	0.200	94.1	79-131				
trans-1,3-Dichloropropylene	11.4		ug/L	10.0	0.00	114	55-130				
trans-1,4-dichloro-2-butene	11.6		ug/L	10.0	0.00	116	25-155				
Trichloroethylene	11.1		ug/L	10.0	1.36	97.8	53-145				
Trichlorofluoromethane	9.98		ug/L	10.0	0.00	99.8	61-142				
Vinyl acetate	11.4		ug/L	10.0	0.00	114	10-87	High Bias			
Vinyl Chloride	16.7		ug/L	10.0	6.21	105	31-165				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.80</i>		<i>ug/L</i>	<i>10.0</i>		<i>98.0</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.3</i>		<i>ug/L</i>	<i>10.0</i>		<i>103</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.0</i>		<i>ug/L</i>	<i>10.0</i>		<i>100</i>	<i>79-122</i>				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50333 - EPA 5030B</b>											
<b>Matrix Spike Dup (BK50333-MSD1)</b>		*Source sample: 25J1813-03 (MW-75)				Prepared & Analyzed: 11/06/2025					
1,1,1,2-Tetrachloroethane	11.9		ug/L	10.0	0.00	119	45-161		4.11	30	
1,1,1-Trichloroethane	15.0		ug/L	10.0	0.550	144	70-146		9.74	30	
1,1,2,2-Tetrachloroethane	12.3		ug/L	10.0	0.00	123	74-121	High Bias	2.21	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1		ug/L	10.0	0.00	111	21-217		38.3	30	Non-dir.
1,1,2-Trichloroethane	12.2		ug/L	10.0	0.00	122	59-146		1.16	30	
1,1-Dichloroethane	30.5		ug/L	10.0	17.6	128	54-146		3.34	30	
1,1-Dichloroethylene	16.2		ug/L	10.0	2.60	136	44-165		17.3	30	
1,1-Dichloropropylene	11.9		ug/L	10.0	0.00	119	82-134		24.3	30	
1,2,3-Trichlorobenzene	7.88		ug/L	10.0	0.00	78.8	40-161		26.6	30	
1,2,3-Trichloropropane	12.7		ug/L	10.0	0.00	127	74-127		3.43	30	
1,2,4,5-Tetramethylbenzene	8.42		ug/L	10.0	0.00	84.2	27-190		29.1	30	
1,2,4-Trichlorobenzene	8.07		ug/L	10.0	0.00	80.7	41-161		31.2	30	Non-dir.
1,2,4-Trimethylbenzene	9.99		ug/L	10.0	0.00	99.9	72-129		24.1	30	
1,2-Dibromo-3-chloropropane	12.7		ug/L	10.0	0.00	127	31-151		1.87	30	
1,2-Dibromoethane	12.8		ug/L	10.0	0.00	128	75-125	High Bias	1.74	30	
1,2-Dichlorobenzene	10.3		ug/L	10.0	0.00	103	63-122		16.4	30	
1,2-Dichloroethane	11.9		ug/L	10.0	0.00	119	68-131		5.24	30	
1,2-Dichloropropane	11.3		ug/L	10.0	0.00	113	77-121		0.624	30	
1,3,5-Trimethylbenzene	10.2		ug/L	10.0	0.00	102	69-126		24.6	30	
1,3-Dichlorobenzene	9.45		ug/L	10.0	0.00	94.5	74-119		23.9	30	
1,3-Dichloropropane	12.2		ug/L	10.0	0.00	122	77-119	High Bias	3.17	30	
1,4-Dichlorobenzene	9.65		ug/L	10.0	0.00	96.5	70-124		22.5	30	
2,2-Dichloropropane	12.5		ug/L	10.0	0.00	125	10-160		5.67	30	
2-Butanone	13.9		ug/L	10.0	0.00	139	10-193		4.70	30	
2-Chlorotoluene	9.74		ug/L	10.0	0.00	97.4	70-126		20.1	30	
2-Hexanone	11.9		ug/L	10.0	0.00	119	53-133		2.20	30	
4-Chlorotoluene	10.2		ug/L	10.0	0.00	102	69-124		23.5	30	
4-Methyl-2-pentanone	12.0		ug/L	10.0	0.00	120	38-150		2.79	30	
Acetone	8.57		ug/L	10.0	1.63	69.4	13-149		8.90	30	
Acrolein	23.6		ug/L	40.0	0.00	58.9	10-195		4.21	30	
Acrylonitrile	12.6		ug/L	10.0	0.00	126	37-165		7.47	30	
Benzene	12.8		ug/L	10.0	0.00	128	38-155		8.88	30	
Bromobenzene	11.0		ug/L	10.0	0.00	110	72-122		10.7	30	
Bromochloromethane	12.2		ug/L	10.0	0.00	122	75-121	High Bias	5.31	30	
Bromodichloromethane	12.4		ug/L	10.0	0.00	124	70-129		2.21	30	
Bromoform	13.8		ug/L	10.0	0.00	138	66-136	High Bias	5.83	30	
Bromomethane	11.0		ug/L	10.0	0.00	110	30-158		22.7	30	
Carbon disulfide	12.8		ug/L	10.0	0.220	126	10-138		37.0	30	Non-dir.
Carbon tetrachloride	13.7		ug/L	10.0	0.00	137	71-146		16.0	30	
Chlorobenzene	11.5		ug/L	10.0	0.00	115	81-117		12.0	30	
Chloroethane	16.4		ug/L	10.0	0.00	164	51-145	High Bias	5.66	30	
Chloroform	12.3		ug/L	10.0	0.00	123	80-124		6.88	30	
Chloromethane	10.5		ug/L	10.0	0.00	105	16-163		11.6	30	
cis-1,2-Dichloroethylene	26.2		ug/L	10.0	13.3	129	76-125	High Bias	6.50	30	
cis-1,3-Dichloropropylene	11.5		ug/L	10.0	0.00	115	58-131		4.54	30	
Cyclohexane	12.7		ug/L	10.0	0.00	127	70-130		25.1	30	
Dibromochloromethane	12.9		ug/L	10.0	0.00	129	71-129		3.23	30	
Dibromomethane	12.7		ug/L	10.0	0.00	127	76-120	High Bias	4.09	30	
Dichlorodifluoromethane	10.3		ug/L	10.0	0.00	103	30-147		23.1	30	
Diisopropyl ether (DIPE)	10.9		ug/L	10.0	0.00	109	70-130		5.00	30	
Ethyl Benzene	11.2		ug/L	10.0	0.00	112	72-128		16.7	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50333 - EPA 5030B</b>											
<b>Matrix Spike Dup (BK50333-MSD1)</b>		*Source sample: 25J1813-03 (MW-75)					Prepared & Analyzed: 11/06/2025				
Ethyl tert-butyl ether (ETBE)	10.6		ug/L	10.0	0.00	106	70-130		4.66	30	
Hexachlorobutadiene	8.43		ug/L	10.0	0.00	84.3	34-166		40.3	30	Non-dir.
Iodomethane	11.4		ug/L	10.0	0.00	114	70-130		32.0	30	Non-dir.
Isopropylbenzene	11.3		ug/L	10.0	0.00	113	66-139		20.3	30	
Methyl acetate	16.1		ug/L	10.0	0.00	161	10-200		8.43	30	
Methyl Methacrylate	13.7		ug/L	10.0	0.00	137	68-124	High Bias	4.02	30	
Methyl tert-butyl ether (MTBE)	10.5		ug/L	10.0	0.00	105	75-128		5.18	30	
Methylcyclohexane	9.32		ug/L	10.0	0.00	93.2	70-130		33.9	30	Non-dir.
Methylene chloride	10.8		ug/L	10.0	0.00	108	57-128		7.49	30	
Naphthalene	10.4		ug/L	10.0	0.00	104	39-158		15.9	30	
n-Butylbenzene	7.63		ug/L	10.0	0.00	76.3	61-138		34.4	30	Non-dir.
n-Propylbenzene	9.95		ug/L	10.0	0.00	99.5	66-134		26.1	30	
o-Xylene	11.2		ug/L	10.0	0.00	112	69-126		13.7	30	
p- & m- Xylenes	21.3		ug/L	20.0	0.00	107	67-130		19.7	30	
p-Diethylbenzene	7.86		ug/L	10.0	0.00	78.6	52-150		34.3	30	Non-dir.
p-Ethyltoluene	9.05		ug/L	10.0	0.00	90.5	76-127		27.7	30	
p-Isopropyltoluene	8.93		ug/L	10.0	0.00	89.3	64-137		32.1	30	Non-dir.
sec-Butylbenzene	10.0		ug/L	10.0	0.00	100	53-155		29.8	30	
Styrene	10.7		ug/L	10.0	0.00	107	69-125		13.4	30	
tert-Amyl alcohol (TAA)	112		ug/L	100	0.00	112	70-130		8.84	30	
tert-Amyl methyl ether (TAME)	11.1		ug/L	10.0	0.00	111	70-130		4.41	30	
tert-Butyl alcohol (TBA)	57.2		ug/L	50.0	0.00	114	10-130		14.7	30	
tert-Butylbenzene	10.8		ug/L	10.0	0.00	108	65-139		19.8	30	
Tetrachloroethylene	7.30		ug/L	10.0	0.00	73.0	64-139		29.4	30	
Tetrahydrofuran	11.7		ug/L	10.0	0.00	117	10-188		4.65	30	
Toluene	12.1		ug/L	10.0	0.00	121	76-123		11.2	30	
trans-1,2-Dichloroethylene	12.4		ug/L	10.0	0.200	122	79-131		25.6	30	
trans-1,3-Dichloropropylene	12.0		ug/L	10.0	0.00	120	55-130		5.64	30	
trans-1,4-dichloro-2-butene	12.0		ug/L	10.0	0.00	120	25-155		3.65	30	
Trichloroethylene	13.1		ug/L	10.0	1.36	117	53-145		16.1	30	
Trichlorofluoromethane	12.6		ug/L	10.0	0.00	126	61-142		23.6	30	
Vinyl acetate	12.0		ug/L	10.0	0.00	120	10-87	High Bias	5.82	30	
Vinyl Chloride	19.5		ug/L	10.0	6.21	133	31-165		15.1	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.79		ug/L	10.0		97.9	69-130				
Surrogate: SURR: Toluene-d8	10.0		ug/L	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.88		ug/L	10.0		98.8	79-122				



**Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ52086 - EPA 3535A</b>											
<b>Blank (BJ52086-BLK1)</b>						Prepared: 10/31/2025 Analyzed: 11/04/2025					
1,4-Dioxane	ND	0.300	ug/L								
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	2.08		ug/L	4.00		52.0	36.6-118				
<b>LCS (BJ52086-BS1)</b>						Prepared: 10/31/2025 Analyzed: 11/04/2025					
1,4-Dioxane	3.68	0.300	ug/L	4.00		92.0	50-130				
1,4-Dioxane	3.68	0.300	ug/L	4.00		92.0	50-130				
Surrogate: 1,4-Dioxane-d8	2.88		ug/L	4.00		72.0	36.6-118				
<b>Batch BK50143 - EPA 3535A</b>											
<b>Blank (BK50143-BLK1)</b>						Prepared: 11/04/2025 Analyzed: 11/06/2025					
1,4-Dioxane	ND	0.300	ug/L								
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	3.68		ug/L	4.00		92.0	36.6-118				
<b>LCS (BK50143-BS1)</b>						Prepared: 11/04/2025 Analyzed: 11/06/2025					
1,4-Dioxane	3.23	0.300	ug/L	4.00		80.8	50-130				
1,4-Dioxane	3.23	0.300	ug/L	4.00		80.8	50-130				
Surrogate: 1,4-Dioxane-d8	3.36		ug/L	4.00		84.0	36.6-118				
<b>Matrix Spike (BK50143-MS1)</b>						Prepared: 11/04/2025 Analyzed: 11/06/2025					
*Source sample: 25J1813-03 (MW-75)											
1,4-Dioxane	10.6	0.300	ug/L	4.00	8.19	59.6	50-130				
1,4-Dioxane	10.6	0.300	ug/L	4.00	8.19	59.6	50-130				
Surrogate: 1,4-Dioxane-d8	2.24		ug/L	4.00		56.0	50-130				



**Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50143 - EPA 3535A</b>											
<b>Matrix Spike Dup (BK50143-MSD1)</b>	*Source sample: 25J1813-03 (MW-75)					Prepared: 11/04/2025 Analyzed: 11/06/2025					
1,4-Dioxane	11.1	0.300	ug/L	4.00	8.19	72.0	50-130		4.58	30	
1,4-Dioxane	11.1	0.300	ug/L	4.00	8.19	72.0	50-130		4.58	30	
<i>Surrogate: 1,4-Dioxane-d8</i>	<i>2.08</i>		<i>ug/L</i>	<i>4.00</i>		<i>52.0</i>	<i>50-130</i>				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ52117 - EPA 1633 Prep</b>											
<b>Blank (BJ52117-BLK1)</b>											
Prepared: 10/31/2025 Analyzed: 11/02/2025											
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	ng/L								
Perfluorooctanoic acid (PFOA)	ND	2.00	ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	ng/L								
Perfluorononanoic acid (PFNA)	ND	2.00	ng/L								
Perfluorodecanoic acid (PFDA)	ND	2.00	ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	ng/L								
Perfluorododecanoic acid (PFDoA)	ND	2.00	ng/L								
Perfluorotridecanoic acid (PFTTrDA)	ND	2.00	ng/L								
Perfluorotetradecanoic acid (PFTTA)	ND	2.00	ng/L								
N-MeFOSAA	ND	2.00	ng/L								
N-EtFOSAA	ND	5.00	ng/L								
Perfluoropentanoic acid (PFPeA)	ND	4.00	ng/L								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	ng/L								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	ng/L								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	ng/L								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	ng/L								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	ng/L								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	ng/L								
HFPO-DA (Gen-X)	ND	8.00	ng/L								
11CL-PF3OUdS	ND	7.56	ng/L								
9CL-PF3ONS	ND	7.48	ng/L								
ADONA	ND	7.56	ng/L								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	ng/L								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	ng/L								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	ng/L								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	ng/L								
N-MeFOSE	ND	20.0	ng/L								
N-MeFOSA	ND	2.00	ng/L								
N-EtFOSE	ND	20.0	ng/L								
N-EtFOSA	ND	2.00	ng/L								
<i>Surrogate: M3PFBS</i>	24.8		ng/L	23.3		107	40-135				
<i>Surrogate: M5PFHxA</i>	22.8		ng/L	25.0		91.4	40-130				
<i>Surrogate: M4PFHpA</i>	23.9		ng/L	25.0		95.8	40-130				
<i>Surrogate: M3PFHxS</i>	22.2		ng/L	23.7		93.5	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ52117 - EPA 1633 Prep</b>											
<b>Blank (BJ52117-BLK1)</b>											
						Prepared: 10/31/2025 Analyzed: 11/02/2025					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	23.7		ng/L	25.0		94.7	40-130				
Surrogate: M6PFDA	11.5		ng/L	12.5		92.2	40-130				
Surrogate: M7PFUdA	10.7		ng/L	12.5		85.5	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	9.46		ng/L	12.5		75.7	10-130				
Surrogate: M2PFTeDA	9.04		ng/L	12.5		72.3	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	90.2		ng/L	100		90.2	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.4		ng/L	24.0		97.6	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.3		ng/L	50.0		92.6	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	26.8		ng/L	25.0		107	40-130				
Surrogate: d3-N-MeFOSAA	45.9		ng/L	50.0		91.9	40-170				
Surrogate: d5-N-EtFOSAA	45.0		ng/L	50.0		90.1	25-135				
Surrogate: M2-6:2 FTS	56.2		ng/L	47.6		118	40-200				
Surrogate: M2-8:2 FTS	53.5		ng/L	48.0		111	40-300				
Surrogate: M9PFNA	12.3		ng/L	12.5		98.5	40-130				
Surrogate: M2-4:2 FTS	53.2		ng/L	46.9		113	40-200				
Surrogate: d-N-MeFOSA	21.2		ng/L	25.0		84.8	10-130				
Surrogate: d-N-EtFOSA	20.1		ng/L	25.0		80.3	10-130				
Surrogate: M3HFPO-DA	99.7		ng/L	100		99.7	40-130				
Surrogate: d9-N-EtFOSE	189		ng/L	250		75.5	10-130				
Surrogate: d7-N-MeFOSE	203		ng/L	250		81.3	10-130				
<b>LCS (BJ52117-BS1)</b>						Prepared: 10/31/2025 Analyzed: 11/02/2025					
Perfluorobutanesulfonic acid (PFBS)	41.9	1.77	ng/L	35.4		118	60-145				
Perfluorohexanoic acid (PFHxA)	49.3	2.00	ng/L	40.0		123	70-145				
Perfluoroheptanoic acid (PFHpA)	47.3	2.00	ng/L	40.0		118	70-150				
Perfluorohexanesulfonic acid (PFHxS)	41.1	1.83	ng/L	36.6		112	65-145				
Perfluorooctanoic acid (PFOA)	46.4	2.00	ng/L	40.0		116	70-150				
Perfluorooctanesulfonic acid (PFOS)	42.4	1.86	ng/L	37.2		114	55-150				
Perfluorononanoic acid (PFNA)	47.6	2.00	ng/L	40.0		119	70-150				
Perfluorodecanoic acid (PFDA)	59.0	2.00	ng/L	40.0		147	70-140	High Bias			
Perfluoroundecanoic acid (PFUnA)	53.5	2.00	ng/L	40.0		134	70-145				
Perfluorododecanoic acid (PFDoA)	45.7	2.00	ng/L	40.0		114	70-140				
Perfluorotridecanoic acid (PFTrDA)	58.6	2.00	ng/L	40.0		147	65-140	High Bias			
Perfluorotetradecanoic acid (PFTA)	50.5	2.00	ng/L	40.0		126	60-140				
N-MeFOSAA	47.8	2.00	ng/L	40.0		120	50-140				
N-EtFOSAA	47.9	5.00	ng/L	40.0		120	70-145				
Perfluoropentanoic acid (PFPeA)	91.6	4.00	ng/L	80.0		115	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	47.8	2.00	ng/L	40.0		120	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	41.4	1.91	ng/L	38.2		108	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	41.1	1.93	ng/L	38.6		106	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	178	7.60	ng/L	152		117	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	184	7.68	ng/L	154		120	60-150				
Perfluoro-n-butanoic acid (PFBA)	197	8.00	ng/L	160		123	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	91.2	3.56	ng/L	71.2		128	70-140				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ52117 - EPA 1633 Prep</b>											
<b>LCS (BJ52117-BS1)</b>											
						Prepared: 10/31/2025 Analyzed: 11/02/2025					
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	95.8	4.00	ng/L	80.0		120	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	93.4	4.00	ng/L	80.0		117	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	97.9	4.00	ng/L	80.0		122	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	43.5	1.88	ng/L	37.6		116	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	176	7.50	ng/L	150		117	70-145				
HFPO-DA (Gen-X)	84.4	8.00	ng/L	80.0		105	70-140				
11CL-PF3OUdS	96.4	7.56	ng/L	75.6		127	55-160				
9CL-PF3ONS	105	7.48	ng/L	74.8		140	70-155				
ADONA	105	7.56	ng/L	75.6		138	65-145				
Perfluorododecanesulfonic acid (PFDoS)	37.0	1.94	ng/L	38.8		95.4	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	48.8	1.92	ng/L	38.4		127	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	220	10.0	ng/L	160		137	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	1020	50.0	ng/L	800		128	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	1100	50.0	ng/L	800		137	50-145				
N-MeFOSE	481	20.0	ng/L	400		120	70-145				
N-MeFOSA	49.6	2.00	ng/L	40.0		124	60-150				
N-EtFOSE	481	20.0	ng/L	400		120	70-135				
N-EtFOSA	46.4	2.00	ng/L	40.0		116	65-145				
<i>Surrogate: M3PFBS</i>	24.7		ng/L	23.3		106	40-135				
<i>Surrogate: M5PFHxA</i>	21.4		ng/L	25.0		85.4	40-130				
<i>Surrogate: M4PFHpA</i>	22.0		ng/L	25.0		88.0	40-130				
<i>Surrogate: M3PFHxS</i>	23.5		ng/L	23.7		99.1	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PF OA)</i>	22.3		ng/L	25.0		89.2	40-130				
<i>Surrogate: M6PFDA</i>	9.59		ng/L	12.5		76.7	40-130				
<i>Surrogate: M7PFUdA</i>	9.60		ng/L	12.5		76.8	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	9.10		ng/L	12.5		72.8	10-130				
<i>Surrogate: M2PFTeDA</i>	7.59		ng/L	12.5		60.7	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	86.9		ng/L	100		86.9	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	22.3		ng/L	24.0		93.3	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	43.4		ng/L	50.0		86.9	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FO SA)</i>	24.5		ng/L	25.0		98.0	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	41.3		ng/L	50.0		82.6	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	43.1		ng/L	50.0		86.2	25-135				
<i>Surrogate: M2-6:2 FTS</i>	43.8		ng/L	47.6		92.1	40-200				
<i>Surrogate: M2-8:2 FTS</i>	47.4		ng/L	48.0		98.8	40-300				
<i>Surrogate: M9PFNA</i>	10.7		ng/L	12.5		85.3	40-130				
<i>Surrogate: M2-4:2 FTS</i>	47.1		ng/L	46.9		101	40-200				
<i>Surrogate: d-N-MeFO SA</i>	20.6		ng/L	25.0		82.3	10-130				
<i>Surrogate: d-N-EtFO SA</i>	21.9		ng/L	25.0		87.6	10-130				
<i>Surrogate: M3HFPO-DA</i>	82.0		ng/L	100		82.0	40-130				
<i>Surrogate: d9-N-EtFO SE</i>	189		ng/L	250		75.6	10-130				
<i>Surrogate: d7-N-MeFO SE</i>	194		ng/L	250		77.5	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ52117 - EPA 1633 Prep</b>											
<b>LCS (BJ52117-BS2)</b>						Prepared: 10/31/2025 Analyzed: 11/02/2025					
Perfluorobutanesulfonic acid (PFBS)	3.63	1.77	ng/L	3.54		103	60-145				
Perfluorohexanoic acid (PFHxA)	4.21	2.00	ng/L	4.00		105	70-145				
Perfluoroheptanoic acid (PFHpA)	4.32	2.00	ng/L	4.00		108	70-150				
Perfluorohexanesulfonic acid (PFHxS)	4.16	1.83	ng/L	3.66		114	65-145				
Perfluorooctanoic acid (PFOA)	4.46	2.00	ng/L	4.00		112	70-150				
Perfluorooctanesulfonic acid (PFOS)	4.50	1.86	ng/L	3.72		121	55-150				
Perfluorononanoic acid (PFNA)	3.84	2.00	ng/L	4.00		96.0	70-150				
Perfluorodecanoic acid (PFDA)	4.43	2.00	ng/L	4.00		111	70-140				
Perfluoroundecanoic acid (PFUnA)	4.67	2.00	ng/L	4.00		117	70-145				
Perfluorododecanoic acid (PFDoA)	4.65	2.00	ng/L	4.00		116	70-140				
Perfluorotridecanoic acid (PFTrDA)	4.61	2.00	ng/L	4.00		115	65-140				
Perfluorotetradecanoic acid (PFTA)	4.17	2.00	ng/L	4.00		104	60-140				
N-MeFOSAA	4.80	2.00	ng/L	4.00		120	50-140				
N-EtFOSAA	4.12	5.00	ng/L	4.00		103	70-145				
Perfluoropentanoic acid (PFPeA)	8.43	4.00	ng/L	8.00		105	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	3.85	2.00	ng/L	4.00		96.2	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.09	1.91	ng/L	3.82		107	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.26	1.93	ng/L	3.86		110	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	14.3	7.60	ng/L	15.2		93.9	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	15.3	7.68	ng/L	15.4		99.4	60-150				
Perfluoro-n-butanoic acid (PFBA)	17.0	8.00	ng/L	16.0		106	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	8.07	3.56	ng/L	7.12		113	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	13.4	4.00	ng/L	8.00		167	50-150	High Bias			
Perfluoro-4-oxapentanoic acid (PFMPA)	8.44	4.00	ng/L	8.00		105	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	9.66	4.00	ng/L	8.00		121	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	4.03	1.88	ng/L	3.76		107	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	15.5	7.50	ng/L	15.0		103	70-145				
HFPO-DA (Gen-X)	7.80	8.00	ng/L	8.00		97.4	70-140				
11CL-PF3OUdS	9.70	7.56	ng/L	7.56		128	55-160				
9CL-PF3ONS	10.3	7.48	ng/L	7.48		138	70-155				
ADONA	8.27	7.56	ng/L	7.56		109	65-145				
Perfluorododecanesulfonic acid (PFDoS)	3.86	1.94	ng/L	3.88		99.5	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	4.10	1.92	ng/L	3.84		107	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	19.4	10.0	ng/L	16.0		121	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	86.0	50.0	ng/L	80.0		107	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	95.9	50.0	ng/L	80.0		120	50-145				
N-MeFOSE	50.5	20.0	ng/L	40.0		126	70-145				
N-MeFOSA	5.20	2.00	ng/L	4.00		130	60-150				
N-EtFOSE	48.1	20.0	ng/L	40.0		120	70-135				
N-EtFOSA	5.45	2.00	ng/L	4.00		136	65-145				
Surrogate: M3PFBS	23.8		ng/L	23.3		102	40-135				
Surrogate: M5PFHxA	21.0		ng/L	25.0		83.9	40-130				
Surrogate: M4PFHpA	20.9		ng/L	25.0		83.6	40-130				
Surrogate: M3PFHxS	22.9		ng/L	23.7		96.7	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BJ52117 - EPA 1633 Prep</b>											
<b>LCS (BJ52117-BS2)</b> <span style="float: right;">Prepared: 10/31/2025 Analyzed: 11/02/2025</span>											
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	21.3		ng/L	25.0		85.3	40-130				
Surrogate: M6PFDA	10.1		ng/L	12.5		80.7	40-130				
Surrogate: M7PFUdA	10.2		ng/L	12.5		82.0	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.45		ng/L	12.5		67.6	10-130				
Surrogate: M2PFTeDA	7.76		ng/L	12.5		62.1	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	85.7		ng/L	100		85.7	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.6		ng/L	24.0		90.2	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	41.3		ng/L	50.0		82.5	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.5		ng/L	25.0		102	40-130				
Surrogate: d3-N-MeFOSAA	41.6		ng/L	50.0		83.2	40-170				
Surrogate: d5-N-EtFOSAA	41.6		ng/L	50.0		83.2	25-135				
Surrogate: M2-6:2 FTS	54.8		ng/L	47.6		115	40-200				
Surrogate: M2-8:2 FTS	51.8		ng/L	48.0		108	40-300				
Surrogate: M9PFNA	11.9		ng/L	12.5		95.4	40-130				
Surrogate: M2-4:2 FTS	53.7		ng/L	46.9		115	40-200				
Surrogate: d-N-MeFOSA	19.7		ng/L	25.0		78.6	10-130				
Surrogate: d-N-EtFOSA	19.9		ng/L	25.0		79.7	10-130				
Surrogate: M3HFPO-DA	88.6		ng/L	100		88.6	40-130				
Surrogate: d9-N-EtFOSE	189		ng/L	250		75.5	10-130				
Surrogate: d7-N-MeFOSE	183		ng/L	250		73.1	10-130				
<b>Batch BK50024 - EPA 1633 Prep</b>											
<b>Blank (BK50024-BLK1)</b> <span style="float: right;">Prepared: 11/01/2025 Analyzed: 11/04/2025</span>											
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	ng/L								
Perfluorooctanoic acid (PFOA)	ND	2.00	ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	ng/L								
Perfluorononanoic acid (PFNA)	ND	2.00	ng/L								
Perfluorodecanoic acid (PFDA)	ND	2.00	ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	ng/L								
Perfluorododecanoic acid (PFDoA)	ND	2.00	ng/L								
Perfluorotridecanoic acid (PFTTrDA)	ND	2.00	ng/L								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	ng/L								
N-MeFOSAA	ND	2.00	ng/L								
N-EtFOSAA	ND	2.00	ng/L								
Perfluoropentanoic acid (PFPeA)	ND	4.00	ng/L								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	ng/L								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	ng/L								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	ng/L								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	ng/L								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	ng/L								



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50024 - EPA 1633 Prep</b>											
<b>Blank (BK50024-BLK1)</b>											
Prepared: 11/01/2025 Analyzed: 11/04/2025											
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	ng/L								
HFPO-DA (Gen-X)	ND	8.00	ng/L								
11CL-PF3OUdS	ND	7.56	ng/L								
9CL-PF3ONS	ND	7.48	ng/L								
ADONA	ND	7.56	ng/L								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	ng/L								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	ng/L								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	ng/L								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	ng/L								
N-MeFOSE	ND	20.0	ng/L								
N-MeFOSA	ND	2.00	ng/L								
N-EtFOSE	ND	20.0	ng/L								
N-EtFOSA	ND	2.00	ng/L								
<i>Surrogate: M3PFBS</i>	24.7		ng/L	23.3		106	40-135				
<i>Surrogate: M5PFHxA</i>	25.3		ng/L	25.0		101	40-130				
<i>Surrogate: M4PFHpA</i>	23.5		ng/L	25.0		94.0	40-130				
<i>Surrogate: M3PFHxS</i>	25.3		ng/L	23.7		107	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	25.8		ng/L	25.0		103	40-130				
<i>Surrogate: M6PFDA</i>	13.3		ng/L	12.5		106	40-130				
<i>Surrogate: M7PFUdA</i>	11.9		ng/L	12.5		95.4	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDaA)</i>	12.3		ng/L	12.5		98.2	10-130				
<i>Surrogate: M2PFTeDA</i>	11.4		ng/L	12.5		91.6	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	101		ng/L	100		101	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	24.1		ng/L	24.0		101	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	51.8		ng/L	50.0		104	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	27.7		ng/L	25.0		111	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	51.9		ng/L	50.0		104	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	52.9		ng/L	50.0		106	25-135				
<i>Surrogate: M2-6:2 FTS</i>	68.9		ng/L	47.6		145	40-200				
<i>Surrogate: M2-8:2 FTS</i>	63.1		ng/L	48.0		131	40-300				
<i>Surrogate: M9PFNA</i>	12.3		ng/L	12.5		98.3	40-130				
<i>Surrogate: M2-4:2 FTS</i>	60.1		ng/L	46.9		128	40-200				
<i>Surrogate: d-N-MeFOSA</i>	23.7		ng/L	25.0		94.7	10-130				
<i>Surrogate: d-N-EtFOSA</i>	21.8		ng/L	25.0		87.4	10-130				
<i>Surrogate: M3HFPO-DA</i>	118		ng/L	100		118	40-130				
<i>Surrogate: d9-N-EtFOSE</i>	227		ng/L	250		90.9	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50024 - EPA 1633 Prep</b>											
<b>Blank (BK50024-BLK1)</b>											
Prepared: 11/01/2025 Analyzed: 11/04/2025											
Surrogate: d7-N-MeFOSE	250		ng/L	250		99.9	10-130				
<b>LCS (BK50024-BS2)</b>											
Prepared: 11/01/2025 Analyzed: 11/04/2025											
Perfluorobutanesulfonic acid (PFBS)	43.4	1.77	ng/L	35.4		123	60-145				
Perfluorohexanoic acid (PFHxA)	52.1	2.00	ng/L	40.0		130	70-145				
Perfluoroheptanoic acid (PFHpA)	57.0	2.00	ng/L	40.0		142	70-150				
Perfluorohexanesulfonic acid (PFHxS)	44.1	1.83	ng/L	36.6		120	65-145				
Perfluorooctanoic acid (PFOA)	49.3	2.00	ng/L	40.0		123	70-150				
Perfluorooctanesulfonic acid (PFOS)	44.2	1.86	ng/L	37.2		119	55-150				
Perfluorononanoic acid (PFNA)	49.2	2.00	ng/L	40.0		123	70-150				
Perfluorodecanoic acid (PFDA)	55.7	2.00	ng/L	40.0		139	70-140				
Perfluoroundecanoic acid (PFUnA)	50.7	2.00	ng/L	40.0		127	70-145				
Perfluorododecanoic acid (PFDoA)	55.0	2.00	ng/L	40.0		138	70-140				
Perfluorotridecanoic acid (PFTrDA)	54.1	2.00	ng/L	40.0		135	65-140				
Perfluorotetradecanoic acid (PFTTA)	52.2	2.00	ng/L	40.0		130	60-140				
N-MeFOSAA	48.2	2.00	ng/L	40.0		121	50-140				
N-EtFOSAA	54.7	2.00	ng/L	40.0		137	70-145				
Perfluoropentanoic acid (PFPeA)	102	4.00	ng/L	80.0		127	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	48.0	2.00	ng/L	40.0		120	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	42.5	1.91	ng/L	38.2		111	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	36.7	1.93	ng/L	38.6		95.0	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	177	7.60	ng/L	152		117	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	214	7.68	ng/L	154		139	60-150				
Perfluoro-n-butanoic acid (PFBA)	205	8.00	ng/L	160		128	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	98.4	3.56	ng/L	71.2		138	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	90.5	4.00	ng/L	80.0		113	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	105	4.00	ng/L	80.0		131	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	110	4.00	ng/L	80.0		138	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	43.6	1.88	ng/L	37.6		116	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	191	7.50	ng/L	150		127	70-145				
HFPO-DA (Gen-X)	102	8.00	ng/L	80.0		127	70-140				
11CL-PF3OUdS	87.8	7.56	ng/L	75.6		116	55-160				
9CL-PF3ONS	95.6	7.48	ng/L	74.8		128	70-155				
ADONA	100	7.56	ng/L	75.6		133	65-145				
Perfluorododecanesulfonic acid (PFDoS)	33.2	1.94	ng/L	38.8		85.5	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	43.2	1.92	ng/L	38.4		112	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	338	10.0	ng/L	160		211	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	1170	50.0	ng/L	800		146	70-135	High Bias			
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	1230	50.0	ng/L	800		154	50-145	High Bias			
N-MeFOSE	476	20.0	ng/L	400		119	70-145				
N-MeFOSA	45.6	2.00	ng/L	40.0		114	60-150				
N-EtFOSE	511	20.0	ng/L	400		128	70-135				
N-EtFOSA	51.5	2.00	ng/L	40.0		129	65-145				
Surrogate: M3PFBS	26.9		ng/L	23.3		115	40-135				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50024 - EPA 1633 Prep</b>											
<b>LCS (BK50024-BS2)</b> <span style="float:right">Prepared: 11/01/2025 Analyzed: 11/04/2025</span>											
Surrogate: M5PFHxA	25.8		ng/L	25.0		103	40-130				
Surrogate: M4PFHxA	23.2		ng/L	25.0		92.6	40-130				
Surrogate: M3PFHxS	26.4		ng/L	23.7		111	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	24.9		ng/L	25.0		99.4	40-130				
Surrogate: M6PFDA	12.2		ng/L	12.5		97.8	40-130				
Surrogate: M7PFUDa	12.1		ng/L	12.5		96.9	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.0		ng/L	12.5		88.1	10-130				
Surrogate: M2PFTEdA	10.4		ng/L	12.5		83.6	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	103		ng/L	100		103	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.1		ng/L	24.0		105	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	51.3		ng/L	50.0		103	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.0		ng/L	25.0		116	40-130				
Surrogate: d3-N-MeFOSAA	47.8		ng/L	50.0		95.6	40-170				
Surrogate: d5-N-EtFOSAA	43.2		ng/L	50.0		86.4	25-135				
Surrogate: M2-6:2 FTS	55.9		ng/L	47.6		118	40-200				
Surrogate: M2-8:2 FTS	51.4		ng/L	48.0		107	40-300				
Surrogate: M9PFNA	14.7		ng/L	12.5		118	40-130				
Surrogate: M2-4:2 FTS	52.8		ng/L	46.9		113	40-200				
Surrogate: d-N-MeFOSA	24.2		ng/L	25.0		97.0	10-130				
Surrogate: d-N-EtFOSA	21.7		ng/L	25.0		87.0	10-130				
Surrogate: M3HFPO-DA	112		ng/L	100		112	40-130				
Surrogate: d9-N-EtFOSE	212		ng/L	250		85.0	10-130				
Surrogate: d7-N-MeFOSE	236		ng/L	250		94.5	10-130				
<b>Batch BK50252 - EPA 1633 Prep</b>											
<b>Blank (BK50252-BLK1)</b> <span style="float:right">Prepared: 11/05/2025 Analyzed: 11/06/2025</span>											
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	ng/L								
Perfluorooctanoic acid (PFOA)	ND	2.00	ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	ng/L								
Perfluorononanoic acid (PFNA)	ND	2.00	ng/L								
Perfluorodecanoic acid (PFDA)	ND	2.00	ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	ng/L								
Perfluorododecanoic acid (PFDoA)	ND	2.00	ng/L								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	ng/L								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	ng/L								
N-MeFOSAA	ND	2.00	ng/L								
N-EtFOSAA	ND	5.00	ng/L								
Perfluoropentanoic acid (PFPeA)	ND	4.00	ng/L								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	ng/L								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	ng/L								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	ng/L								



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50252 - EPA 1633 Prep</b>											
<b>Blank (BK50252-BLK1)</b>											
Prepared: 11/05/2025 Analyzed: 11/06/2025											
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	ng/L								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	ng/L								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	ng/L								
HFPO-DA (Gen-X)	ND	8.00	ng/L								
11CL-PF3OUdS	ND	7.56	ng/L								
9CL-PF3ONS	ND	7.48	ng/L								
ADONA	ND	7.56	ng/L								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	ng/L								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	ng/L								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	ng/L								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	ng/L								
N-MeFOSE	ND	20.0	ng/L								
N-MeFOSA	ND	2.00	ng/L								
N-EtFOSE	ND	20.0	ng/L								
N-EtFOSA	ND	2.00	ng/L								
<i>Surrogate: M3PFBS</i>	20.6		ng/L	23.3		88.5	40-135				
<i>Surrogate: M5PFHxA</i>	20.1		ng/L	25.0		80.5	40-130				
<i>Surrogate: M4PFHpA</i>	21.3		ng/L	25.0		85.1	40-130				
<i>Surrogate: M3PFHxS</i>	22.1		ng/L	23.7		93.1	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	19.0		ng/L	25.0		75.9	40-130				
<i>Surrogate: M6PFDA</i>	10.2		ng/L	12.5		81.4	40-130				
<i>Surrogate: M7PFUDA</i>	9.29		ng/L	12.5		74.3	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	8.62		ng/L	12.5		68.9	10-130				
<i>Surrogate: M2PFTeDA</i>	7.21		ng/L	12.5		57.7	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	81.5		ng/L	100		81.5	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	21.2		ng/L	24.0		88.6	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	40.9		ng/L	50.0		81.8	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	23.2		ng/L	25.0		92.6	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	35.0		ng/L	50.0		69.9	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	34.5		ng/L	50.0		68.9	25-135				
<i>Surrogate: M2-6:2 FTS</i>	50.0		ng/L	47.6		105	40-200				
<i>Surrogate: M2-8:2 FTS</i>	49.6		ng/L	48.0		103	40-300				
<i>Surrogate: M9PFNA</i>	12.5		ng/L	12.5		100	40-130				
<i>Surrogate: M2-4:2 FTS</i>	48.1		ng/L	46.9		102	40-200				
<i>Surrogate: d-N-MeFOSA</i>	16.2		ng/L	25.0		64.8	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50252 - EPA 1633 Prep</b>											
<b>Blank (BK50252-BLK1)</b>						Prepared: 11/05/2025 Analyzed: 11/06/2025					
Surrogate: d-N-EtFOSA	15.2		ng/L	25.0		60.9	10-130				
Surrogate: M3HFPO-DA	94.1		ng/L	100		94.1	40-130				
Surrogate: d9-N-EtFOSE	175		ng/L	250		70.1	10-130				
Surrogate: d7-N-MeFOSE	171		ng/L	250		68.4	10-130				
<b>LCS (BK50252-BS1)</b>						Prepared: 11/05/2025 Analyzed: 11/06/2025					
Perfluorobutanesulfonic acid (PFBS)	39.0	1.77	ng/L	35.4		110	60-145				
Perfluorohexanoic acid (PFHxA)	46.6	2.00	ng/L	40.0		116	70-145				
Perfluoroheptanoic acid (PFHpA)	45.0	2.00	ng/L	40.0		113	70-150				
Perfluorohexanesulfonic acid (PFHxS)	39.0	1.83	ng/L	36.6		107	65-145				
Perfluorooctanoic acid (PFOA)	49.1	2.00	ng/L	40.0		123	70-150				
Perfluorooctanesulfonic acid (PFOS)	38.5	1.86	ng/L	37.2		103	55-150				
Perfluorononanoic acid (PFNA)	44.6	2.00	ng/L	40.0		111	70-150				
Perfluorodecanoic acid (PFDA)	47.2	2.00	ng/L	40.0		118	70-140				
Perfluoroundecanoic acid (PFUnA)	43.5	2.00	ng/L	40.0		109	70-145				
Perfluorododecanoic acid (PFDoA)	54.0	2.00	ng/L	40.0		135	70-140				
Perfluorotridecanoic acid (PFTrDA)	51.1	2.00	ng/L	40.0		128	65-140				
Perfluorotetradecanoic acid (PFTA)	48.8	2.00	ng/L	40.0		122	60-140				
N-MeFOSAA	43.6	2.00	ng/L	40.0		109	50-140				
N-EtFOSAA	45.4	5.00	ng/L	40.0		114	70-145				
Perfluoropentanoic acid (PFPeA)	91.8	4.00	ng/L	80.0		115	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	45.0	2.00	ng/L	40.0		112	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	36.2	1.91	ng/L	38.2		94.8	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	36.7	1.93	ng/L	38.6		95.0	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	155	7.60	ng/L	152		102	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	191	7.68	ng/L	154		124	60-150				
Perfluoro-n-butanoic acid (PFBA)	186	8.00	ng/L	160		116	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	90.4	3.56	ng/L	71.2		127	70-140				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	99.6	4.00	ng/L	80.0		125	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	94.3	4.00	ng/L	80.0		118	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	101	4.00	ng/L	80.0		127	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	39.3	1.88	ng/L	37.6		105	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	175	7.50	ng/L	150		116	70-145				
HFPO-DA (Gen-X)	101	8.00	ng/L	80.0		127	70-140				
11CL-PF3OUdS	88.2	7.56	ng/L	75.6		117	55-160				
9CL-PF3ONS	90.9	7.48	ng/L	74.8		122	70-155				
ADONA	90.9	7.56	ng/L	75.6		120	65-145				
Perfluorododecanesulfonic acid (PFDoS)	28.1	1.94	ng/L	38.8		72.4	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	40.3	1.92	ng/L	38.4		105	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	311	10.0	ng/L	160		194	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	1060	50.0	ng/L	800		132	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	1200	50.0	ng/L	800		149	50-145	High Bias			
N-MeFOSE	448	20.0	ng/L	400		112	70-145				
N-MeFOSA	44.4	2.00	ng/L	40.0		111	60-150				
N-EtFOSE	470	20.0	ng/L	400		118	70-135				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50252 - EPA 1633 Prep</b>											
<b>LCS (BK50252-BS1)</b>						Prepared: 11/05/2025 Analyzed: 11/06/2025					
N-EtFOSA	47.9	2.00	ng/L	40.0		120	65-145				
Surrogate: M3PFBS	22.3		ng/L	23.3		95.6	40-135				
Surrogate: M5PFHxA	21.9		ng/L	25.0		87.5	40-130				
Surrogate: M4PFHpA	25.3		ng/L	25.0		101	40-130				
Surrogate: M3PFHxS	22.5		ng/L	23.7		95.1	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	23.5		ng/L	25.0		93.9	40-130				
Surrogate: M6PFDA	10.7		ng/L	12.5		86.0	40-130				
Surrogate: M7PFUdA	10.6		ng/L	12.5		84.9	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.75		ng/L	12.5		70.0	10-130				
Surrogate: M2PFTeDA	8.24		ng/L	12.5		65.9	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	85.0		ng/L	100		85.0	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	24.6		ng/L	24.0		103	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	42.4		ng/L	50.0		84.9	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	26.2		ng/L	25.0		105	40-130				
Surrogate: d3-N-MeFOSAA	40.2		ng/L	50.0		80.4	40-170				
Surrogate: d5-N-EtFOSAA	38.9		ng/L	50.0		77.9	25-135				
Surrogate: M2-6:2 FTS	45.9		ng/L	47.6		96.4	40-200				
Surrogate: M2-8:2 FTS	42.8		ng/L	48.0		89.2	40-300				
Surrogate: M9PFNA	12.3		ng/L	12.5		98.3	40-130				
Surrogate: M2-4:2 FTS	41.6		ng/L	46.9		88.7	40-200				
Surrogate: d-N-MeFOSA	19.8		ng/L	25.0		79.3	10-130				
Surrogate: d-N-EtFOSA	18.8		ng/L	25.0		75.4	10-130				
Surrogate: M3HFPO-DA	98.5		ng/L	100		98.5	40-130				
Surrogate: d9-N-EtFOSE	201		ng/L	250		80.6	10-130				
Surrogate: d7-N-MeFOSE	214		ng/L	250		85.6	10-130				
<b>LCS (BK50252-BS2)</b>						Prepared: 11/05/2025 Analyzed: 11/06/2025					
Perfluorobutanesulfonic acid (PFBS)	3.62	1.77	ng/L	3.54		102	60-145				
Perfluorohexanoic acid (PFHxA)	4.00	2.00	ng/L	4.00		99.9	70-145				
Perfluoroheptanoic acid (PFHpA)	3.96	2.00	ng/L	4.00		99.0	70-150				
Perfluorohexanesulfonic acid (PFHxS)	4.12	1.83	ng/L	3.66		113	65-145				
Perfluorooctanoic acid (PFOA)	4.77	2.00	ng/L	4.00		119	70-150				
Perfluorooctanesulfonic acid (PFOS)	2.53	1.86	ng/L	3.72		68.0	55-150				
Perfluorononanoic acid (PFNA)	4.04	2.00	ng/L	4.00		101	70-150				
Perfluorodecanoic acid (PFDA)	4.35	2.00	ng/L	4.00		109	70-140				
Perfluoroundecanoic acid (PFUnA)	4.06	2.00	ng/L	4.00		102	70-145				
Perfluorododecanoic acid (PFDoA)	4.77	2.00	ng/L	4.00		119	70-140				
Perfluorotridecanoic acid (PFTTrDA)	4.46	2.00	ng/L	4.00		112	65-140				
Perfluorotetradecanoic acid (PFTA)	4.58	2.00	ng/L	4.00		114	60-140				
N-MeFOSAA	3.96	2.00	ng/L	4.00		99.0	50-140				
N-EtFOSAA	4.64	5.00	ng/L	4.00		116	70-145				
Perfluoropentanoic acid (PFPeA)	7.63	4.00	ng/L	8.00		95.4	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	3.99	2.00	ng/L	4.00		99.8	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.20	1.91	ng/L	3.82		83.7	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	2.54	1.93	ng/L	3.86		65.7	60-145				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50252 - EPA 1633 Prep</b>											
<b>LCS (BK50252-BS2)</b>											
						Prepared: 11/05/2025 Analyzed: 11/06/2025					
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	14.6	7.60	ng/L	15.2		96.0	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	14.7	7.68	ng/L	15.4		95.5	60-150				
Perfluoro-n-butanoic acid (PFBA)	15.7	8.00	ng/L	16.0		97.9	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.71	3.56	ng/L	7.12		108	70-140				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	10.5	4.00	ng/L	8.00		131	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	7.97	4.00	ng/L	8.00		99.6	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	8.77	4.00	ng/L	8.00		110	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.37	1.88	ng/L	3.76		89.6	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	14.8	7.50	ng/L	15.0		98.5	70-145				
HFPO-DA (Gen-X)	9.09	8.00	ng/L	8.00		114	70-140				
11CL-PF3OUdS	9.64	7.56	ng/L	7.56		128	55-160				
9CL-PF3ONS	9.73	7.48	ng/L	7.48		130	70-155				
ADONA	8.20	7.56	ng/L	7.56		108	65-145				
Perfluorododecanesulfonic acid (PFDoS)	2.19	1.94	ng/L	3.88		56.5	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	2.94	1.92	ng/L	3.84		76.4	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	26.6	10.0	ng/L	16.0		166	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	95.6	50.0	ng/L	80.0		120	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	94.4	50.0	ng/L	80.0		118	50-145				
N-MeFOSE	41.7	20.0	ng/L	40.0		104	70-145				
N-MeFOSA	3.51	2.00	ng/L	4.00		87.9	60-150				
N-EtFOSE	43.6	20.0	ng/L	40.0		109	70-135				
N-EtFOSA	4.97	2.00	ng/L	4.00		124	65-145				
<i>Surrogate: M3PFBS</i>	20.9		ng/L	23.3		89.5	40-135				
<i>Surrogate: M5PFHxA</i>	20.7		ng/L	25.0		82.8	40-130				
<i>Surrogate: M4PFHpA</i>	23.1		ng/L	25.0		92.5	40-130				
<i>Surrogate: M3PFHxS</i>	22.9		ng/L	23.7		96.8	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	20.3		ng/L	25.0		81.2	40-130				
<i>Surrogate: M6PFDA</i>	9.48		ng/L	12.5		75.9	40-130				
<i>Surrogate: M7PFUdA</i>	9.28		ng/L	12.5		74.3	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	8.06		ng/L	12.5		64.5	10-130				
<i>Surrogate: M2PFTeDA</i>	6.47		ng/L	12.5		51.7	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	83.1		ng/L	100		83.1	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	22.2		ng/L	24.0		92.7	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	42.2		ng/L	50.0		84.4	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	25.6		ng/L	25.0		103	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	41.1		ng/L	50.0		82.3	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	35.9		ng/L	50.0		71.8	25-135				
<i>Surrogate: M2-6:2 FTS</i>	49.5		ng/L	47.6		104	40-200				
<i>Surrogate: M2-8:2 FTS</i>	44.8		ng/L	48.0		93.4	40-300				
<i>Surrogate: M9PFNA</i>	11.9		ng/L	12.5		95.5	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50252 - EPA 1633 Prep</b>											
<b>LCS (BK50252-BS2)</b> <span style="float:right">Prepared: 11/05/2025 Analyzed: 11/06/2025</span>											
Surrogate: M2-4:2 FTS	47.1		ng/L	46.9		101	40-200				
Surrogate: d-N-MeFOSA	18.2		ng/L	25.0		72.9	10-130				
Surrogate: d-N-EtFOSA	17.2		ng/L	25.0		68.8	10-130				
Surrogate: M3HFPO-DA	88.3		ng/L	100		88.3	40-130				
Surrogate: d9-N-EtFOSE	182		ng/L	250		73.0	10-130				
Surrogate: d7-N-MeFOSE	183		ng/L	250		73.1	10-130				
<b>Matrix Spike (BK50252-MS1)</b> <span style="float:right">Prepared: 11/05/2025 Analyzed: 11/06/2025</span>											
*Source sample: 25J1813-03RE1 (MW-75)											
Perfluorobutanesulfonic acid (PFBS)	46.2	1.85	ng/L	37.0	3.55	115	60-145				
Perfluorohexanoic acid (PFHxA)	67.7	2.09	ng/L	41.8	21.5	110	70-145				
Perfluoroheptanoic acid (PFHpA)	64.8	2.09	ng/L	41.8	15.1	119	70-150				
Perfluorohexanesulfonic acid (PFHxS)	62.3	1.91	ng/L	38.3	25.2	96.8	65-145				
Perfluorooctanoic acid (PFOA)	69.1	2.09	ng/L	41.8	16.5	126	70-150				
Perfluorooctanesulfonic acid (PFOS)	145	1.95	ng/L	38.9	107	96.7	55-150				
Perfluorononanoic acid (PFNA)	58.3	2.09	ng/L	41.8	13.2	108	70-150				
Perfluorodecanoic acid (PFDA)	49.6	2.09	ng/L	41.8	1.62	115	70-140				
Perfluoroundecanoic acid (PFUnA)	50.7	2.09	ng/L	41.8	ND	121	70-145				
Perfluorododecanoic acid (PFDoA)	51.4	2.09	ng/L	41.8	ND	123	70-140				
Perfluorotridecanoic acid (PFTriDA)	65.9	2.09	ng/L	41.8	ND	158	65-140	High Bias			
Perfluorotetradecanoic acid (PFTA)	49.9	2.09	ng/L	41.8	ND	119	60-140				
N-MeFOSAA	50.3	2.09	ng/L	41.8	ND	120	50-140				
N-EtFOSAA	45.4	5.23	ng/L	41.8	ND	108	70-145				
Perfluoropentanoic acid (PFPeA)	120	4.18	ng/L	83.7	24.7	114	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	45.5	2.09	ng/L	41.8	ND	109	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	42.6	2.00	ng/L	40.0	0.828	105	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	26.3	2.02	ng/L	40.4	ND	65.2	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	181	7.95	ng/L	159	5.36	110	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	207	8.03	ng/L	161	ND	129	60-150				
Perfluoro-n-butanoic acid (PFBA)	219	8.37	ng/L	167	14.4	122	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	91.4	3.72	ng/L	74.5	ND	123	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	37.8	4.18	ng/L	83.7	ND	45.2	50-150	Low Bias			
Perfluoro-4-oxapentanoic acid (PFMPA)	68.0	4.18	ng/L	83.7	ND	81.2	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	106	4.18	ng/L	83.7	ND	127	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	39.6	1.97	ng/L	39.3	2.86	93.4	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	170	7.85	ng/L	157	ND	109	70-145				
HFPO-DA (Gen-X)	104	8.37	ng/L	83.7	ND	124	70-140				
11CL-PF3OUdS	52.9	7.91	ng/L	79.1	ND	66.9	55-160				
9CL-PF3ONS	115	7.82	ng/L	78.2	ND	147	70-155				
ADONA	107	7.91	ng/L	79.1	ND	136	65-145				
Perfluorododecanesulfonic acid (PFDoS)	8.02	2.03	ng/L	40.6	ND	19.8	50-145	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	38.3	2.01	ng/L	40.2	ND	95.3	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	297	10.5	ng/L	167	ND	178	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	1930	52.3	ng/L	837	ND	230	70-135	High Bias			
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	2410	52.3	ng/L	837	ND	289	50-145	High Bias			
N-MeFOSE	446	20.9	ng/L	418	ND	107	70-145				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BK50252 - EPA 1633 Prep</b>												
<b>Matrix Spike (BK50252-MS1)</b>		*Source sample: 25J1813-03RE1 (MW-75)						Prepared: 11/05/2025 Analyzed: 11/06/2025				
N-MeFOSA	47.7	2.09	ng/L	41.8	ND	114	60-150					
N-EtFOSE	446	20.9	ng/L	418	ND	107	70-135					
N-EtFOSA	45.9	2.09	ng/L	41.8	ND	110	65-145					
<i>Surrogate: M3PFBS</i>	24.6		ng/L	24.4		101	40-135					
<i>Surrogate: M5PFHxA</i>	23.2		ng/L	26.2		88.9	40-130					
<i>Surrogate: M4PFHpA</i>	24.3		ng/L	26.2		92.9	40-130					
<i>Surrogate: M3PFHxS</i>	26.7		ng/L	24.8		108	40-130					
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFDA)</i>	22.7		ng/L	26.2		86.7	40-130					
<i>Surrogate: M6PFDA</i>	11.4		ng/L	13.1		86.9	40-130					
<i>Surrogate: M7PFUDA</i>	9.70		ng/L	13.1		74.2	30-130					
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	6.42		ng/L	13.1		49.1	10-130					
<i>Surrogate: M2PFTeDA</i>	2.12		ng/L	13.1		16.2	10-130					
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	27.4		ng/L	105		26.2	5-130					
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	22.4		ng/L	25.1		89.5	40-130					
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	44.2		ng/L	52.3		84.5	40-130					
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	25.8		ng/L	26.2		98.7	40-130					
<i>Surrogate: d3-N-MeFOSAA</i>	39.0		ng/L	52.3		74.6	40-170					
<i>Surrogate: d5-N-EtFOSAA</i>	38.2		ng/L	52.3		73.1	25-135					
<i>Surrogate: M2-6:2 FTS</i>	107		ng/L	49.7		214	40-200					
<i>Surrogate: M2-8:2 FTS</i>	88.7		ng/L	50.2		177	40-300					
<i>Surrogate: M9PFNA</i>	13.0		ng/L	13.1		99.1	40-130					
<i>Surrogate: M2-4:2 FTS</i>	102		ng/L	49.1		208	40-200					
<i>Surrogate: d-N-MeFOSA</i>	8.58		ng/L	26.2		32.8	10-130					
<i>Surrogate: d-N-EtFOSA</i>	5.70		ng/L	26.2		21.8	10-130					
<i>Surrogate: M3HFPO-DA</i>	87.2		ng/L	105		83.4	40-130					
<i>Surrogate: d9-N-EtFOSE</i>	71.7		ng/L	262		27.4	10-130					
<i>Surrogate: d7-N-MeFOSE</i>	110		ng/L	262		42.1	10-130					



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50252 - EPA 1633 Prep</b>											
<b>Matrix Spike Dup (BK50252-MSD1)</b>						*Source sample: 25J1813-03RE1 (MW-75)			Prepared: 11/05/2025 Analyzed: 11/06/2025		
Perfluorobutanesulfonic acid (PFBS)	47.5	2.16	ng/L	43.3	3.55	102	60-145		2.72	35	
Perfluorohexanoic acid (PFHxA)	76.0	2.44	ng/L	48.9	21.5	111	70-145		11.5	35	
Perfluoroheptanoic acid (PFHpA)	76.6	2.44	ng/L	48.9	15.1	126	70-150		16.7	35	
Perfluorohexanesulfonic acid (PFHxS)	68.3	2.24	ng/L	44.7	25.2	96.3	65-145		9.19	35	
Perfluorooctanoic acid (PFOA)	75.0	2.44	ng/L	48.9	16.5	120	70-150		8.25	35	
Perfluorooctanesulfonic acid (PFOS)	147	2.27	ng/L	45.5	107	88.2	55-150		1.70	35	
Perfluorononanoic acid (PFNA)	71.2	2.44	ng/L	48.9	13.2	119	70-150		19.9	35	
Perfluorodecanoic acid (PFDA)	60.2	2.44	ng/L	48.9	1.62	120	70-140		19.2	35	
Perfluoroundecanoic acid (PFUnA)	59.9	2.44	ng/L	48.9	ND	122	70-145		16.7	35	
Perfluorododecanoic acid (PFDoA)	65.8	2.44	ng/L	48.9	ND	135	70-140		24.5	35	
Perfluorotridecanoic acid (PFTrDA)	64.6	2.44	ng/L	48.9	ND	132	65-140		2.00	35	
Perfluorotetradecanoic acid (PFTTA)	52.0	2.44	ng/L	48.9	ND	106	60-140		4.17	35	
N-MeFOSAA	55.5	2.44	ng/L	48.9	ND	114	50-140		9.81	35	
N-EtFOSAA	55.2	6.11	ng/L	48.9	ND	113	70-145		19.5	35	
Perfluoropentanoic acid (PFPeA)	132	4.89	ng/L	97.8	24.7	110	65-135		9.64	35	
Perfluoro-1-octanesulfonamide (FOSA)	56.8	2.44	ng/L	48.9	ND	116	70-145		22.0	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	51.8	2.33	ng/L	46.7	0.828	109	70-150		19.5	35	
Perfluoro-1-decanesulfonic acid (PFDS)	27.9	2.36	ng/L	47.2	ND	59.1	60-145	Low Bias	5.86	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	208	9.29	ng/L	186	ND	112	65-155		14.0	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	218	9.39	ng/L	188	ND	116	60-150		5.27	35	
Perfluoro-n-butanoic acid (PFBA)	239	9.78	ng/L	196	14.4	115	70-140		8.78	35	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	109	4.35	ng/L	87.0	ND	125	70-140		17.6	30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	43.9	4.89	ng/L	97.8	ND	44.9	50-150	Low Bias	14.8	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	108	4.89	ng/L	97.8	ND	110	55-140		45.5	30	Non-dir.
Perfluoro-5-oxahexanoic acid (PFMBA)	124	4.89	ng/L	97.8	ND	126	60-150		15.0	30	
Perfluoro-1-pentanesulfonate (PFPeS)	49.0	2.30	ng/L	46.0	2.86	100	65-140		21.1	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	208	9.17	ng/L	183	ND	114	70-145		20.1	30	
HFPO-DA (Gen-X)	134	9.78	ng/L	97.8	ND	137	70-140		25.4	30	
11CL-PF3OUdS	58.0	9.24	ng/L	92.4	ND	62.8	55-160		9.23	30	
9CL-PF3ONS	125	9.14	ng/L	91.4	ND	136	70-155		7.88	30	
ADONA	126	9.24	ng/L	92.4	ND	137	65-145		16.2	30	
Perfluorododecanesulfonic acid (PFDoS)	10.6	2.37	ng/L	47.4	ND	22.5	50-145	Low Bias	28.2	30	
Perfluoro-1-nonanesulfonic acid (PFNS)	42.4	2.35	ng/L	46.9	ND	90.3	65-145		10.1	30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	401	12.2	ng/L	196	ND	205	65-130	High Bias	29.7	30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	2220	61.1	ng/L	978	ND	227	70-135	High Bias	14.4	30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	2880	61.1	ng/L	978	ND	294	50-145	High Bias	17.6	30	
N-MeFOSE	538	24.4	ng/L	489	ND	110	70-145		18.7	30	
N-MeFOSA	50.5	2.44	ng/L	48.9	ND	103	60-150		5.74	30	
N-EtFOSE	554	24.4	ng/L	489	ND	113	70-135		21.5	30	
N-EtFOSA	61.7	2.44	ng/L	48.9	ND	126	65-145		29.4	30	
Surrogate: M3PFBS	30.5		ng/L	28.5		107	40-135				
Surrogate: M5PFHxA	27.2		ng/L	30.6		89.1	40-130				
Surrogate: M4PFHpA	28.7		ng/L	30.6		94.0	40-130				
Surrogate: M3PFHxS	30.7		ng/L	29.0		106	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BK50252 - EPA 1633 Prep</b>												
<b>Matrix Spike Dup (BK50252-MSD1)</b>		*Source sample: 25J1813-03RE1 (MW-75)					Prepared: 11/05/2025 Analyzed: 11/06/2025					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	27.6		ng/L	30.6		90.3	40-130					
Surrogate: M6PFDA	11.4		ng/L	15.3		74.7	40-130					
Surrogate: M7PFUdA	10.1		ng/L	15.3		66.0	30-130					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	6.08		ng/L	15.3		39.8	10-130					
Surrogate: M2PFTeDA	3.48		ng/L	15.3		22.8	10-130					
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	87.3		ng/L	122		71.4	5-130					
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	25.3		ng/L	29.3		86.3	40-130					
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	54.5		ng/L	61.1		89.1	40-130					
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	26.9		ng/L	30.6		88.1	40-130					
Surrogate: d3-N-MeFOSAA	45.5		ng/L	61.1		74.5	40-170					
Surrogate: d5-N-EtFOSAA	45.5		ng/L	61.1		74.4	25-135					
Surrogate: M2-6:2 FTS	119		ng/L	58.1		204	40-200					
Surrogate: M2-8:2 FTS	112		ng/L	58.7		190	40-300					
Surrogate: M9PFNA	14.1		ng/L	15.3		92.0	40-130					
Surrogate: M2-4:2 FTS	116		ng/L	57.3		203	40-200					
Surrogate: d-N-MeFOSA	11.9		ng/L	30.6		38.9	10-130					
Surrogate: d-N-EtFOSA	7.25		ng/L	30.6		23.7	10-130					
Surrogate: M3HFPO-DA	108		ng/L	122		88.5	40-130					
Surrogate: d9-N-EtFOSE	92.8		ng/L	306		30.4	10-130					
Surrogate: d7-N-MeFOSE	126		ng/L	306		41.3	10-130					
<b>Batch BK51445 - EPA 1633 Prep</b>												
<b>Blank (BK51445-BLK1)</b>							Prepared: 11/23/2025 Analyzed: 11/24/2025					
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L									
Perfluorohexanoic acid (PFHxA)	ND	2.00	ng/L									
Perfluoroheptanoic acid (PFHpA)	ND	2.00	ng/L									
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	ng/L									
Perfluorooctanoic acid (PFOA)	ND	2.00	ng/L									
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	ng/L									
Perfluorononanoic acid (PFNA)	ND	2.00	ng/L									
Perfluorodecanoic acid (PFDA)	ND	2.00	ng/L									
Perfluoroundecanoic acid (PFUnA)	ND	2.00	ng/L									
Perfluorododecanoic acid (PFDoA)	ND	2.00	ng/L									
Perfluorotridecanoic acid (PFTTrDA)	ND	2.00	ng/L									
Perfluorotetradecanoic acid (PFTA)	ND	2.00	ng/L									
N-MeFOSAA	ND	2.00	ng/L									
N-EtFOSAA	ND	2.00	ng/L									
Perfluoropentanoic acid (PFPeA)	ND	4.00	ng/L									
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	ng/L									
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	ng/L									
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	ng/L									
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	ng/L									
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	ng/L									
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	ng/L									



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK51445 - EPA 1633 Prep</b>											
<b>Blank (BK51445-BLK1)</b>											
Prepared: 11/23/2025 Analyzed: 11/24/2025											
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	ng/L								
HFPO-DA (Gen-X)	ND	8.00	ng/L								
11CL-PF3OUdS	ND	7.56	ng/L								
9CL-PF3ONS	ND	7.48	ng/L								
ADONA	ND	7.56	ng/L								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	ng/L								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	ng/L								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	ng/L								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	ng/L								
N-MeFOSE	ND	20.0	ng/L								
N-MeFOSA	ND	2.00	ng/L								
N-EtFOSE	ND	20.0	ng/L								
N-EtFOSA	ND	2.00	ng/L								
<i>Surrogate: M3PFBS</i>	36.0		ng/L	23.3		155	40-135				
<i>Surrogate: M5PFHxA</i>	33.1		ng/L	25.0		132	40-130				
<i>Surrogate: M4PFHpA</i>	30.4		ng/L	25.0		122	40-130				
<i>Surrogate: M3PFHxS</i>	35.0		ng/L	23.7		148	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	33.9		ng/L	25.0		136	40-130				
<i>Surrogate: M6PFDA</i>	18.4		ng/L	12.5		147	40-130				
<i>Surrogate: M7PFUdA</i>	17.3		ng/L	12.5		139	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	16.2		ng/L	12.5		129	10-130				
<i>Surrogate: M2PFTeDA</i>	15.5		ng/L	12.5		124	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	129		ng/L	100		129	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	33.9		ng/L	24.0		141	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	72.5		ng/L	50.0		145	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	38.5		ng/L	25.0		154	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	66.7		ng/L	50.0		133	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	72.8		ng/L	50.0		146	25-135				
<i>Surrogate: M2-6:2 FTS</i>	61.4		ng/L	47.6		129	40-200				
<i>Surrogate: M2-8:2 FTS</i>	61.3		ng/L	48.0		128	40-300				
<i>Surrogate: M9PFNA</i>	16.3		ng/L	12.5		130	40-130				
<i>Surrogate: M2-4:2 FTS</i>	66.4		ng/L	46.9		142	40-200				
<i>Surrogate: d-N-MeFOSA</i>	30.1		ng/L	25.0		120	10-130				
<i>Surrogate: d-N-EtFOSA</i>	26.6		ng/L	25.0		106	10-130				
<i>Surrogate: M3HFPO-DA</i>	131		ng/L	100		131	40-130				
<i>Surrogate: d9-N-EtFOSE</i>	259		ng/L	250		103	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK51445 - EPA 1633 Prep</b>											
<b>Blank (BK51445-BLK1)</b>											
Prepared: 11/23/2025 Analyzed: 11/24/2025											
Surrogate: d7-N-MeFOSE	280		ng/L	250		112	10-130				
<b>LCS (BK51445-BS1)</b>											
Prepared: 11/23/2025 Analyzed: 11/24/2025											
Perfluorobutanesulfonic acid (PFBS)	32.1	1.77	ng/L	35.4		90.6	60-145				
Perfluorohexanoic acid (PFHxA)	35.3	2.00	ng/L	40.0		88.4	70-145				
Perfluoroheptanoic acid (PFHpA)	36.8	2.00	ng/L	40.0		91.9	70-150				
Perfluorohexanesulfonic acid (PFHxS)	32.4	1.83	ng/L	36.6		88.6	65-145				
Perfluorooctanoic acid (PFOA)	36.2	2.00	ng/L	40.0		90.4	70-150				
Perfluorooctanesulfonic acid (PFOS)	34.1	1.86	ng/L	37.2		91.7	55-150				
Perfluorononanoic acid (PFNA)	36.6	2.00	ng/L	40.0		91.6	70-150				
Perfluorodecanoic acid (PFDA)	37.1	2.00	ng/L	40.0		92.8	70-140				
Perfluoroundecanoic acid (PFUnA)	37.1	2.00	ng/L	40.0		92.7	70-145				
Perfluorododecanoic acid (PFDoA)	34.9	2.00	ng/L	40.0		87.3	70-140				
Perfluorotridecanoic acid (PFTrDA)	37.8	2.00	ng/L	40.0		94.5	65-140				
Perfluorotetradecanoic acid (PFTA)	37.5	2.00	ng/L	40.0		93.8	60-140				
N-MeFOSAA	35.7	2.00	ng/L	40.0		89.3	50-140				
N-EtFOSAA	36.4	2.00	ng/L	40.0		91.1	70-145				
Perfluoropentanoic acid (PFPeA)	73.3	4.00	ng/L	80.0		91.7	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	36.0	2.00	ng/L	40.0		89.9	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	34.3	1.91	ng/L	38.2		89.7	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	34.8	1.93	ng/L	38.6		90.1	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	138	7.60	ng/L	152		90.5	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	140	7.68	ng/L	154		91.1	60-150				
Perfluoro-n-butanoic acid (PFBA)	142	8.00	ng/L	160		89.0	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	51.2	3.56	ng/L	71.2		71.9	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	113	4.00	ng/L	80.0		141	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	90.7	4.00	ng/L	80.0		113	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	77.9	4.00	ng/L	80.0		97.4	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	32.7	1.88	ng/L	37.6		86.9	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	137	7.50	ng/L	150		91.1	70-145				
HFPO-DA (Gen-X)	65.9	8.00	ng/L	80.0		82.4	70-140				
11CL-PF3OUdS	47.5	7.56	ng/L	75.6		62.8	55-160				
9CL-PF3ONS	48.3	7.48	ng/L	74.8		64.6	70-155	Low Bias			
ADONA	62.5	7.56	ng/L	75.6		82.6	65-145				
Perfluorododecanesulfonic acid (PFDoS)	32.8	1.94	ng/L	38.8		84.4	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	34.0	1.92	ng/L	38.4		88.5	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	135	10.0	ng/L	160		84.3	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	718	50.0	ng/L	800		89.8	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	677	50.0	ng/L	800		84.6	50-145				
N-MeFOSE	373	20.0	ng/L	400		93.2	70-145				
N-MeFOSA	39.0	2.00	ng/L	40.0		97.4	60-150				
N-EtFOSE	410	20.0	ng/L	400		102	70-135				
N-EtFOSA	38.7	2.00	ng/L	40.0		96.7	65-145				
Surrogate: M3PFBS	36.0		ng/L	23.3		155	40-135				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK51445 - EPA 1633 Prep</b>											
<b>LCS (BK51445-BS1)</b>						Prepared: 11/23/2025 Analyzed: 11/24/2025					
Surrogate: M5PFHxA	35.4		ng/L	25.0		142	40-130				
Surrogate: M4PFHpA	32.3		ng/L	25.0		129	40-130				
Surrogate: M3PFHxS	35.0		ng/L	23.7		148	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	35.2		ng/L	25.0		141	40-130				
Surrogate: M6PFDA	16.0		ng/L	12.5		128	40-130				
Surrogate: M7PFUDa	16.3		ng/L	12.5		131	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.6		ng/L	12.5		125	10-130				
Surrogate: M2PFTeDA	14.3		ng/L	12.5		115	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	135		ng/L	100		135	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	33.4		ng/L	24.0		140	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	77.7		ng/L	50.0		155	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	40.7		ng/L	25.0		163	40-130				
Surrogate: d3-N-MeFOSAA	68.1		ng/L	50.0		136	40-170				
Surrogate: d5-N-EtFOSAA	73.0		ng/L	50.0		146	25-135				
Surrogate: M2-6:2 FTS	56.4		ng/L	47.6		119	40-200				
Surrogate: M2-8:2 FTS	58.7		ng/L	48.0		122	40-300				
Surrogate: M9PFNA	16.9		ng/L	12.5		136	40-130				
Surrogate: M2-4:2 FTS	60.5		ng/L	46.9		129	40-200				
Surrogate: d-N-MeFOSA	30.3		ng/L	25.0		121	10-130				
Surrogate: d-N-EtFOSA	27.9		ng/L	25.0		112	10-130				
Surrogate: M3HFPO-DA	141		ng/L	100		141	40-130				
Surrogate: d9-N-EtFOSE	282		ng/L	250		113	10-130				
Surrogate: d7-N-MeFOSE	316		ng/L	250		126	10-130				
<b>LCS (BK51445-BS2)</b>						Prepared: 11/23/2025 Analyzed: 11/24/2025					
Perfluorobutanesulfonic acid (PFBS)	3.36	1.77	ng/L	3.54		94.9	60-145				
Perfluorohexanoic acid (PFHxA)	3.45	2.00	ng/L	4.00		86.3	70-145				
Perfluoroheptanoic acid (PFHpA)	3.26	2.00	ng/L	4.00		81.5	70-150				
Perfluorohexanesulfonic acid (PFHxS)	3.55	1.83	ng/L	3.66		96.9	65-145				
Perfluorooctanoic acid (PFOA)	3.74	2.00	ng/L	4.00		93.4	70-150				
Perfluorooctanesulfonic acid (PFOS)	3.78	1.86	ng/L	3.72		102	55-150				
Perfluorononanoic acid (PFNA)	3.05	2.00	ng/L	4.00		76.1	70-150				
Perfluorodecanoic acid (PFDA)	3.32	2.00	ng/L	4.00		82.9	70-140				
Perfluoroundecanoic acid (PFUnA)	3.31	2.00	ng/L	4.00		82.7	70-145				
Perfluorododecanoic acid (PFDoA)	3.88	2.00	ng/L	4.00		97.1	70-140				
Perfluorotridecanoic acid (PFTrDA)	3.44	2.00	ng/L	4.00		86.1	65-140				
Perfluorotetradecanoic acid (PFTA)	3.59	2.00	ng/L	4.00		89.8	60-140				
N-MeFOSAA	3.83	2.00	ng/L	4.00		95.7	50-140				
N-EtFOSAA	3.61	2.00	ng/L	4.00		90.2	70-145				
Perfluoropentanoic acid (PFPeA)	7.08	4.00	ng/L	8.00		88.5	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	3.61	2.00	ng/L	4.00		90.3	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.66	1.91	ng/L	3.82		95.7	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.29	1.93	ng/L	3.86		85.1	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	12.3	7.60	ng/L	15.2		80.7	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	12.3	7.68	ng/L	15.4		79.9	60-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK51445 - EPA 1633 Prep</b>											
<b>LCS (BK51445-BS2)</b>											
Prepared: 11/23/2025 Analyzed: 11/24/2025											
Perfluoro-n-butanoic acid (PFBA)	13.5	8.00	ng/L	16.0		84.6	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	5.44	3.56	ng/L	7.12		76.4	70-140				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	12.2	4.00	ng/L	8.00		152	50-150	High Bias			
Perfluoro-4-oxapentanoic acid (PFMPA)	8.87	4.00	ng/L	8.00		111	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	8.13	4.00	ng/L	8.00		102	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.30	1.88	ng/L	3.76		87.7	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	13.3	7.50	ng/L	15.0		88.9	70-145				
HFPO-DA (Gen-X)	5.16	8.00	ng/L	8.00		64.5	70-140	Low Bias			
11CL-PF3OUdS	6.13	7.56	ng/L	7.56		81.0	55-160				
9CL-PF3ONS	6.52	7.48	ng/L	7.48		87.1	70-155				
ADONA	7.78	7.56	ng/L	7.56		103	65-145				
Perfluorododecanesulfonic acid (PFDoS)	2.54	1.94	ng/L	3.88		65.6	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	3.67	1.92	ng/L	3.84		95.5	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	13.6	10.0	ng/L	16.0		85.0	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	73.0	50.0	ng/L	80.0		91.3	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	65.8	50.0	ng/L	80.0		82.3	50-145				
N-MeFOSE	39.4	20.0	ng/L	40.0		98.5	70-145				
N-MeFOSA	3.67	2.00	ng/L	4.00		91.7	60-150				
N-EtFOSE	39.8	20.0	ng/L	40.0		99.4	70-135				
N-EtFOSA	4.34	2.00	ng/L	4.00		108	65-145				
<i>Surrogate: M3PFBS</i>	37.8		ng/L	23.3		162	40-135				
<i>Surrogate: M5PFHxA</i>	37.3		ng/L	25.0		149	40-130				
<i>Surrogate: M4PFHpA</i>	36.4		ng/L	25.0		145	40-130				
<i>Surrogate: M3PFHxS</i>	36.6		ng/L	23.7		154	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	38.4		ng/L	25.0		153	40-130				
<i>Surrogate: M6PFDA</i>	19.9		ng/L	12.5		159	40-130				
<i>Surrogate: M7PFUdA</i>	19.1		ng/L	12.5		153	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	17.8		ng/L	12.5		143	10-130				
<i>Surrogate: M2PFTeDA</i>	16.2		ng/L	12.5		130	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	145		ng/L	100		145	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	35.4		ng/L	24.0		148	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	83.6		ng/L	50.0		167	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	41.6		ng/L	25.0		166	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	75.9		ng/L	50.0		152	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	77.3		ng/L	50.0		155	25-135				
<i>Surrogate: M2-6:2 FTS</i>	67.1		ng/L	47.6		141	40-200				
<i>Surrogate: M2-8:2 FTS</i>	63.5		ng/L	48.0		132	40-300				
<i>Surrogate: M9PFNA</i>	19.0		ng/L	12.5		152	40-130				
<i>Surrogate: M2-4:2 FTS</i>	68.6		ng/L	46.9		146	40-200				
<i>Surrogate: d-N-MeFOSA</i>	33.6		ng/L	25.0		135	10-130				
<i>Surrogate: d-N-EtFOSA</i>	30.1		ng/L	25.0		121	10-130				
<i>Surrogate: M3HFPO-DA</i>	149		ng/L	100		149	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK51445 - EPA 1633 Prep</b>											
<b>LCS (BK51445-BS2)</b>						Prepared: 11/23/2025 Analyzed: 11/24/2025					
Surrogate: d9-N-EtFOSE	295		ng/L	250		118	10-130				
Surrogate: d7-N-MeFOSE	316		ng/L	250		126	10-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50026 - Preparation for GC Analysis</b>											
<b>Blank (BK50026-BLK1)</b> <span style="float: right;">Prepared &amp; Analyzed: 11/02/2025</span>											
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	mg/L								
Surrogate: 1,4-Butanediol	ND		mg/L				30-130				
<b>Duplicate (BK50026-DUP1)</b> <span style="float: right;">Prepared &amp; Analyzed: 11/02/2025</span>											
*Source sample: 25J1813-10 (FIELD BLANK)											
Ethylene Glycol	ND	10.0	mg/L		ND					25	
Propylene Glycol	ND	10.0	mg/L		ND					25	
Surrogate: 1,4-Butanediol	ND		mg/L				30-130				



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
25J1813-01	HANGER_E_MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1813-03	MW-75	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1813-05	MW-64	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1813-08	FMW-39	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1813-09	FIELD DUPLICATE	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1813-10	FIELD BLANK	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25J1813-11	TRIP BLANK	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



### Sample and Data Qualifiers Relating to This Work Order

S-Diox	The sample required dilution greater than 10x which diluted out the isotopic surrogate. No Isotope recovery correction was able to be applied.
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-LCS-H	The LCS recovery for this PFAS compound was above control limits.
PF-CCV-H	The CCV recovery for this PFAS compound was above control limits.
PFAS-MSL	The recovery for this matrix spike compound was below control limits possibly due to matrix effects or non-homogeneity of the sample verses the native sample
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogeneity of the sample verses the native sample
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.
/\	Analyte is not certified but the state of sample origination offer certification for the Analyte

### 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.

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**Revision Description:** This report has been revised to report reanalysis results for sample -08.



# Field Chain-of-Custody Record

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-9675

ALS Project Number  
**2551813**

Page **1** of **1**

**Report To:** WSP  
**Company:** 500 Summit Hill Rd Valhalla, NY  
**Address:** 914 327 1352  
**Phone:** John Benavigne  
**Contact:** John Benavigne  
**E-mail:** john.benavigne@wsp.com

**Invoice To:** SAME  
**Company:**  
**Address:**  
**Phone:**  
**Contact:**  
**E-mail:**

**YOUR Project Name / Number:** Westchester County Airport (WCA)  
**PO Number:** US0033899.2856

Sample Identification	Date	Time	Matrix	Preservative (please list number of containers)					Other:	G/C	EDD Type (circle)	
				Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO <sub>3</sub> (nitric acid)	H <sub>2</sub> SO <sub>4</sub> (sulfuric acid)				NaOH (sodium hydroxide)
Hanger E MW-1	10/29/15	1040	GW	5	3						X	
Hanger E MW-4		1150		3	3						X	
Matrix Spike MW-7S		1150		3	3						X	
Matrix Spike Duplicate MW-7S		1150		3	3						X	
FMW-37		1215		2	3						X	
MW-64		1330		2	3						X	
FMW-24		1410		2	3						X	
FMW-2R		1430		2	3						X	
FMW-39		1515		2	3						X	
Field Duplicate		1540	DI	5	3						X	
Field Blank											X	
TRIP Blank											X	

**Matrix Codes:** S - soils/solid/sludge  
 GW - groundwater  
 DW - drinking water  
 SW - surface water  
 WW - wastewater  
 O - Oil  
 Other

**Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N**

Custody Seals: Y/N  
 Containers Intact: Y/N  
 COC Labels Agree: Y/N  
 Preservation Confirmed: Y/N  
 COC Complete: Y/N  
 COC Received: Y/N  
 Appropriate Sample Volumes: Y/N  
 Appropriate Sample Containers: Y/N  
 Cooler Temperature Confirmed: Y/N  
 Samples Submitted within Holding Times: Y/N  
 Corrective Action Form Required: Y/N

**Comments:**  
 Samples iced/chilled at time of collection. Circle Yes or No  
 1. Samples Relinquished by Company  
 2. Samples Relinquished by Company  
 3. Samples Relinquished by Company  
 4. Samples Received by Company

Date/Time: 10-30-25 10:30  
 Date/Time: 10-30-25 10:30  
 Date/Time: 10-30-25 17:36  
 Date/Time: 10-30-25 15:55  
 Date/Time: 10-30-25 16:00  
 Date/Time: 10-30-25 15:55  
 Date/Time: 10-30-25 16:00



# Technical Report

prepared for:

**WSP USA, Inc. (White Plains, NY)**

500 Summit Lake Drive, Suite 450

Valhalla NY, 10595

**Attention: John Benvegna**

Report Date: 11/17/2025

**Client Project ID: Westchester County Airport**

York Project (SDG) No.: 25K0002

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  
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STRATFORD, CT 06615  
(203) 325-1371

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

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

Report Date: 11/17/2025  
Client Project ID: Westchester County Airport  
York Project (SDG) No.: 25K0002

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

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## 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 November 03, 2025 and listed below. The project was identified as your project: **Westchester County Airport**.

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

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

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

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

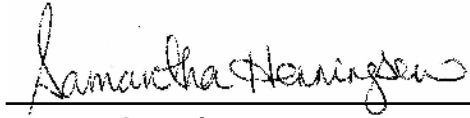
Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
25K0002-01	MW-60	Ground Water	10/31/2025	11/03/2025
25K0002-02	MW-54S	Ground Water	10/31/2025	11/03/2025
25K0002-03	MW-54D	Ground Water	10/31/2025	11/03/2025
25K0002-04	MW-55S	Ground Water	10/31/2025	11/03/2025
25K0002-05	MW-55D	Ground Water	10/31/2025	11/03/2025
25K0002-06	MW-56S	Ground Water	10/31/2025	11/03/2025
25K0002-07	Field Blank	Ground Water	10/31/2025	11/03/2025

**General Notes for York Project (SDG) No.: 25K0002**

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:**



Samantha Henningsen  
Laboratory Director - Queens

**Date:** 11/17/2025



### Sample Information

**Client Sample ID:** MW-60

**York Sample ID:** 25K0002-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
25K0002	Westchester County Airport	Ground Water	October 31, 2025 10:45 am	11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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)	72.4		ng/L	1.62	1.79	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	132		ng/L	0.506	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	64.8		ng/L	0.709	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	375		ng/L	0.901	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
335-67-1	Perfluorooctanoic acid (PFOA)	127		ng/L	1.01	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	283		ng/L	0.769	1.88	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
375-95-1	Perfluorononanoic acid (PFNA)	2370		ng/L	5.01	10.1	5	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:25	AM
335-76-2	Perfluorodecanoic acid (PFDA)	19.8		ng/L	0.577	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	51.7		ng/L	0.719	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.607	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.21	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.60	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.506	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.06	5.06	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	151		ng/L	0.901	4.05	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.374	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	8.26		ng/L	0.314	1.93	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.628	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	82.5		ng/L	5.06	7.69	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.28	7.77	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	38.0		ng/L	1.65	8.10	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM



### Sample Information

**Client Sample ID:** MW-60

**York Sample ID:** 25K0002-01

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 10:45 am	<u>Date Received</u> 11/03/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.506	3.60	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.04	4.05	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.709	4.05	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.42	4.05	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>80.4</b>		ng/L	0.759	1.90	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.85	7.59	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.06	8.10	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.26	7.65	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.78	7.57	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
919005-14-4	ADONA	ND		ng/L	3.01	7.65	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.901	1.96	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.759	1.94	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.39	10.1	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	25.3	50.6	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	23.4	50.6	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.19	20.2	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.02	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.37	20.2	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.06	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 04:11	AM

	Surrogate Recoveries	Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	122 %	40-135
M3PFBS	Surrogate: M3PFBS	131 %	40-135
338-30-1	Surrogate: M5PFHxA	107 %	40-130
338-30-1	Surrogate: M5PFHxA	117 %	40-130



### Sample Information

**Client Sample ID:** MW-60

**York Sample ID:** 25K0002-01

York Project (SDG) No.  
25K0002

Client Project ID  
Westchester County Airport

Matrix  
Ground Water

Collection Date/Time  
October 31, 2025 10:45 am

Date Received  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C4PFHPA	Surrogate: M4PFHpA	110 %			40-130						
13C4PFHPA	Surrogate: M4PFHpA	119 %			40-130						
13C3PFHXS	Surrogate: M3PFHxS	118 %			40-130						
13C3PFHXS	Surrogate: M3PFHxS	123 %			40-130						
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	119 %			40-130						
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	108 %			40-130						
13C6PFDA	Surrogate: M6PFDA	103 %			40-130						
13C6PFDA	Surrogate: M6PFDA	114 %			40-130						
13C7PFUNA	Surrogate: M7PFUdA	95.9 %			30-130						
13C7PFUNA	Surrogate: M7PFUdA	104 %			30-130						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	88.2 %			10-130						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	69.4 %			10-130						
13C2PFTEDA	Surrogate: M2PFTeDA	55.8 %			10-130						
13C2PFTEDA	Surrogate: M2PFTeDA	65.8 %			10-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	84.9 %			5-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	82.0 %			5-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	112 %			40-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	110 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	122 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	109 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	99.7 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	108 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	97.8 %			40-170						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	107 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	93.5 %			25-135						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	105 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	142 %			40-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	145 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	124 %			40-300						
M2-8:2FTS	Surrogate: M2-8:2 FTS	134 %			40-300						
13C9PFNA	Surrogate: M9PFNA	117 %			40-130						
13C9PFNA	Surrogate: M9PFNA	110 %			40-130						



### Sample Information

**Client Sample ID:** MW-60

**York Sample ID:** 25K0002-01

York Project (SDG) No.  
25K0002

Client Project ID  
Westchester County Airport

Matrix  
Ground Water

Collection Date/Time  
October 31, 2025 10:45 am

Date Received  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
M2-4:2FTS	Surrogate: M2-4:2 FTS	144 %			40-200						
M2-4:2FTS	Surrogate: M2-4:2 FTS	169 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	83.6 %			10-130						
936109-37-4	Surrogate: d-N-MeFOSA	101 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	85.4 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	97.3 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	107 %			40-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	123 %			40-130						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	64.0 %			10-130						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	75.4 %			10-130						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	70.6 %			10-130						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	80.0 %			10-130						

### Sample Information

**Client Sample ID:** MW-54S

**York Sample ID:** 25K0002-02

York Project (SDG) No.  
25K0002

Client Project ID  
Westchester County Airport

Matrix  
Ground Water

Collection Date/Time  
October 31, 2025 11:20 am

Date Received  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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)	13.0		ng/L	1.67	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	111		ng/L	0.523	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	48.9		ng/L	0.732	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	124		ng/L	0.931	1.91	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
335-67-1	Perfluorooctanoic acid (PFOA)	12.1		ng/L	1.05	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	12.8		ng/L	0.795	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
375-95-1	Perfluorononanoic acid (PFNA)	1.60	J	ng/L	1.04	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.596	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.743	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM



### Sample Information

**Client Sample ID:** MW-54S

**York Sample ID:** 25K0002-02

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 11:20 am	<u>Date Received</u> 11/03/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	0.628	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.26	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.65	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.523	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.23	5.23	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>239</b>		ng/L	0.931	4.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.387	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
375-92-8	<b>Perfluoro-1-heptanesulfonic acid (PFHpS)</b>	<b>0.651</b>	J	ng/L	0.324	2.00	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.649	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
27619-97-2	<b>1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)</b>	<b>9.06</b>		ng/L	5.23	7.95	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.35	8.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>74.7</b>		ng/L	1.71	8.37	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.523	3.72	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	3.14	4.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.732	4.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.46	4.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>16.3</b>		ng/L	0.785	1.97	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.95	7.85	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.23	8.37	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.33	7.91	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.88	7.82	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
919005-14-4	ADONA	ND		ng/L	3.11	7.91	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM



### Sample Information

**Client Sample ID:** MW-54S

**York Sample ID:** 25K0002-02

York Project (SDG) No.  
25K0002

Client Project ID  
Westchester County Airport

Matrix  
Ground Water

Collection Date/Time  
October 31, 2025 11:20 am

Date Received  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	0.931	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.785	2.01	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.47	10.5	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	26.2	52.3	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	24.1	52.3	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.43	20.9	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.09	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.62	20.9	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.10	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:23	AM

**Surrogate Recoveries**

**Result**

**Acceptance Range**

M3PFBS	Surrogate: M3PFBS	98.3 %	40-135
338-30-1	Surrogate: M5PFHxA	87.5 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	84.0 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	93.6 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	82.0 %	40-130
13C6PFDA	Surrogate: M6PFDA	74.2 %	40-130
13C7PFUNA	Surrogate: M7PFUdA	49.2 %	30-130
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	31.1 %	10-130
13C2PFTEDA	Surrogate: M2PFTeDA	25.5 %	10-130
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	90.8 %	5-130
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	79.9 %	40-130
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	82.5 %	40-130
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	74.4 %	40-130
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	47.6 %	40-170
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	37.1 %	25-135
M2-6:2FTS	Surrogate: M2-6:2 FTS	121 %	40-200
M2-8:2FTS	Surrogate: M2-8:2 FTS	93.7 %	40-300
13C9PFNA	Surrogate: M9PFNA	95.2 %	40-130



### Sample Information

**Client Sample ID:** MW-54S

**York Sample ID:** 25K0002-02

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 11:20 am	<u>Date Received</u> 11/03/2025
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#### Q P PFAS, EPA 1633a Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
M2-4:2FTS	Surrogate: M2-4:2 FTS	116 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	27.9 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	27.7 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	95.1 %			40-130						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	31.8 %			10-130						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	36.8 %			10-130						

### Sample Information

**Client Sample ID:** MW-54D

**York Sample ID:** 25K0002-03

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 12:00 pm	<u>Date Received</u> 11/03/2025
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#### Q P PFAS, EPA 1633a Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: 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)	39.8		ng/L	1.66	1.84	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	432		ng/L	0.519	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	228		ng/L	0.726	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	465		ng/L	0.923	1.90	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
335-67-1	Perfluorooctanoic acid (PFOA)	108		ng/L	1.04	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	304		ng/L	0.788	1.93	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
375-95-1	Perfluorononanoic acid (PFNA)	46.0		ng/L	1.03	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.591	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.737	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.622	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.24	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.64	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM



### Sample Information

**Client Sample ID:** MW-54D

**York Sample ID:** 25K0002-03

York Project (SDG) No.  
25K0002

Client Project ID  
Westchester County Airport

Matrix  
Ground Water

Collection Date/Time  
October 31, 2025 12:00 pm

Date Received  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	N-MeFOSAA	ND		ng/L	0.519	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.19	5.19	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>835</b>		ng/L	0.923	4.15	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.384	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
375-92-8	<b>Perfluoro-1-heptanesulfonic acid (PFHpS)</b>	<b>9.94</b>		ng/L	0.322	1.98	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.643	2.00	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
27619-97-2	<b>1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)</b>	<b>626</b>		ng/L	10.4	15.8	2	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/13/2025 05:09	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.33	7.97	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>217</b>		ng/L	1.69	8.30	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.519	3.69	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.11	4.15	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.726	4.15	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.45	4.15	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>59.3</b>		ng/L	0.778	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.93	7.78	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.19	8.30	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.31	7.84	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.85	7.76	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
919005-14-4	ADONA	ND		ng/L	3.08	7.84	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.923	2.01	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.778	1.99	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM



### Sample Information

**Client Sample ID:** MW-54D

**York Sample ID:** 25K0002-03

**York Project (SDG) No.**  
25K0002

**Client Project ID**  
Westchester County Airport

**Matrix**  
Ground Water

**Collection Date/Time**  
October 31, 2025 12:00 pm

**Date Received**  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.45	10.4	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	25.9	51.9	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	23.9	51.9	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.37	20.7	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.07	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.55	20.7	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.09	2.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 04:37	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	125 %	40-135
M3PFBS	Surrogate: M3PFBS	114 %	40-135
338-30-1	Surrogate: M5PFHxA	119 %	40-130
338-30-1	Surrogate: M5PFHxA	98.3 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	129 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	95.2 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	125 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	108 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	87.2 %	40-130
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	114 %	40-130
13C6PFDA	Surrogate: M6PFDA	108 %	40-130
13C6PFDA	Surrogate: M6PFDA	87.4 %	40-130
13C7PFUNA	Surrogate: M7PFUdA	93.6 %	30-130
13C7PFUNA	Surrogate: M7PFUdA	77.1 %	30-130
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	56.4 %	10-130
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	77.0 %	10-130
13C2PFTEDA	Surrogate: M2PFTeDA	59.7 %	10-130
13C2PFTEDA	Surrogate: M2PFTeDA	56.3 %	10-130
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.5 %	5-130
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	110 %	5-130
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	115 %	40-130



### Sample Information

**Client Sample ID:** MW-54D

**York Sample ID:** 25K0002-03

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 12:00 pm	<u>Date Received</u> 11/03/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	93.6 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	84.7 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	119 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	111 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	101 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	99.3 %			40-170						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	64.1 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	91.7 %			25-135						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	66.0 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	112 %			40-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	90.9 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	125 %			40-300						
M2-8:2FTS	Surrogate: M2-8:2 FTS	105 %			40-300						
13C9PFNA	Surrogate: M9PFNA	112 %			40-130						
13C9PFNA	Surrogate: M9PFNA	105 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	154 %			40-200						
M2-4:2FTS	Surrogate: M2-4:2 FTS	134 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	102 %			10-130						
936109-37-4	Surrogate: d-N-MeFOSA	77.4 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	84.8 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	72.8 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	135 %	PFSu-H		40-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	116 %			40-130						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	71.1 %			10-130						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	66.7 %			10-130						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	74.5 %			10-130						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	71.9 %			10-130						

### Sample Information

**Client Sample ID:** MW-55S

**York Sample ID:** 25K0002-04

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 12:40 pm	<u>Date Received</u> 11/03/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**



### Sample Information

**Client Sample ID:** MW-55S

**York Sample ID:** 25K0002-04

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 12:40 pm	<u>Date Received</u> 11/03/2025
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Sample Prepared by Method: 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	<b>Perfluorobutanesulfonic acid (PFBS)</b>	<b>76.2</b>		ng/L	1.62	1.79	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
307-24-4	<b>Perfluorohexanoic acid (PFHxA)</b>	<b>60.3</b>		ng/L	0.506	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
375-85-9	<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>13.0</b>		ng/L	0.709	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
355-46-4	<b>Perfluorohexanesulfonic acid (PFHxS)</b>	<b>860</b>		ng/L	4.50	9.26	5	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/16/2025 19:20	AM
335-67-1	<b>Perfluorooctanoic acid (PFOA)</b>	<b>40.0</b>		ng/L	1.01	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
1763-23-1	<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>531</b>		ng/L	0.769	1.88	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
375-95-1	<b>Perfluorononanoic acid (PFNA)</b>	<b>10.5</b>		ng/L	1.00	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.577	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.719	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.607	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.21	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.60	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.506	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.06	5.06	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>20.0</b>		ng/L	0.901	4.05	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.374	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
375-92-8	<b>Perfluoro-1-heptanesulfonic acid (PFHpS)</b>	<b>10.8</b>		ng/L	0.314	1.93	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.628	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.06	7.69	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.28	7.77	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>13.0</b>		ng/L	1.65	8.10	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.506	3.60	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.04	4.05	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM



### Sample Information

**Client Sample ID:** MW-55S

**York Sample ID:** 25K002-04

York Project (SDG) No.  
25K0002

Client Project ID  
Westchester County Airport

Matrix  
Ground Water

Collection Date/Time  
October 31, 2025 12:40 pm

Date Received  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	0.709	4.05	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.42	4.05	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>133</b>		ng/L	0.759	1.90	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.85	7.59	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.06	8.10	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.26	7.65	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.78	7.57	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
919005-14-4	ADONA	ND		ng/L	3.01	7.65	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.901	1.96	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.759	1.94	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.39	10.1	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	25.3	50.6	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	23.4	50.6	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.19	20.2	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.02	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.37	20.2	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.06	2.02	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:20	AM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
M3PFBS	Surrogate: M3PFBS	128 %	40-135								
M3PFBS	Surrogate: M3PFBS	105 %	40-135								
338-30-1	Surrogate: M5PFHxA	121 %	40-130								
338-30-1	Surrogate: M5PFHxA	94.1 %	40-130								
13C4PFHPA	Surrogate: M4PFHpA	116 %	40-130								
13C4PFHPA	Surrogate: M4PFHpA	96.2 %	40-130								
13C3PFHXS	Surrogate: M3PFHxS	128 %	40-130								
13C3PFHXS	Surrogate: M3PFHxS	93.9 %	40-130								



### Sample Information

**Client Sample ID:** MW-55S

**York Sample ID:** 25K0002-04

**York Project (SDG) No.**  
25K0002

**Client Project ID**  
Westchester County Airport

**Matrix**  
Ground Water

**Collection Date/Time**  
October 31, 2025 12:40 pm

**Date Received**  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	86.8 %			40-130						
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	123 %			40-130						
13C6PFDA	Surrogate: M6PFDA	115 %			40-130						
13C6PFDA	Surrogate: M6PFDA	91.0 %			40-130						
13C7PFUNA	Surrogate: M7PFUdA	89.8 %			30-130						
13C7PFUNA	Surrogate: M7PFUdA	85.5 %			30-130						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	84.2 %			10-130						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	58.4 %			10-130						
13C2PFTEdA	Surrogate: M2PFTEdA	37.4 %			10-130						
13C2PFTEdA	Surrogate: M2PFTEdA	43.9 %			10-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	131 %	PFSu-H		5-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	106 %			5-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	119 %			40-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	116 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	124 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	91.3 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	106 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	109 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	75.9 %			40-170						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	106 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	87.0 %			25-135						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	92.8 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	148 %			40-200						
M2-6:2FTS	Surrogate: M2-6:2 FTS	178 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	124 %			40-300						
M2-8:2FTS	Surrogate: M2-8:2 FTS	147 %			40-300						
13C9PFNA	Surrogate: M9PFNA	124 %			40-130						
13C9PFNA	Surrogate: M9PFNA	108 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	148 %			40-200						
M2-4:2FTS	Surrogate: M2-4:2 FTS	194 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	55.1 %			10-130						
936109-37-4	Surrogate: d-N-MeFOSA	54.6 %			10-130						



### Sample Information

**Client Sample ID:** MW-55S

**York Sample ID:** 25K0002-04

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 12:40 pm	<u>Date Received</u> 11/03/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
936109-40-9	Surrogate: d-N-EtFOSA	54.6 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	34.5 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	113 %			40-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	119 %			40-130						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	43.0 %			10-130						
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	32.4 %			10-130						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	58.7 %			10-130						
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	49.1 %			10-130						

### Sample Information

**Client Sample ID:** MW-55D

**York Sample ID:** 25K0002-05

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 1:00 pm	<u>Date Received</u> 11/03/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	19.4		ng/L	1.75	1.93	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	36.2		ng/L	0.546	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.77		ng/L	0.764	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	438		ng/L	0.972	2.00	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
335-67-1	Perfluorooctanoic acid (PFOA)	16.1		ng/L	1.09	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	505		ng/L	0.830	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
375-95-1	Perfluorononanoic acid (PFNA)	18.0		ng/L	1.08	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.622	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.775	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.655	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.31	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM



### Sample Information

**Client Sample ID:** MW-55D

**York Sample ID:** 25K0002-05

York Project (SDG) No.  
25K0002

Client Project ID  
Westchester County Airport

Matrix  
Ground Water

Collection Date/Time  
October 31, 2025 1:00 pm

Date Received  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	1.72	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.546	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.46	5.46	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>12.9</b>		ng/L	0.972	4.37	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.404	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
375-92-8	<b>Perfluoro-1-heptanesulfonic acid (PFHpS)</b>	<b>6.19</b>		ng/L	0.338	2.09	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.677	2.11	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.46	8.30	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.46	8.38	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>5.48</b>	J	ng/L	1.78	8.73	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.546	3.89	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	3.28	4.37	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.764	4.37	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.53	4.37	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>37.3</b>		ng/L	0.819	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.08	8.19	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.46	8.73	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.43	8.25	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	3.00	8.17	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
919005-14-4	ADONA	ND		ng/L	3.24	8.25	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.972	2.12	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM



### Sample Information

**Client Sample ID:** MW-55D

**York Sample ID:** 25K0002-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25K0002

Westchester County Airport

Ground Water

October 31, 2025 1:00 pm

11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	0.819	2.10	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.58	10.9	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	27.3	54.6	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	25.2	54.6	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.75	21.8	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.18	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.95	21.8	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.15	2.18	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:35	AM
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
M3PFBS	Surrogate: M3PFBS	132 %			40-135						
338-30-1	Surrogate: M5PFHxA	112 %			40-130						
13C4PFHPA	Surrogate: M4PFHpA	109 %			40-130						
13C3PFHXS	Surrogate: M3PFHxS	133 %	PFSu-H		40-130						
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	101 %			40-130						
13C6PFDA	Surrogate: M6PFDA	108 %			40-130						
13C7PFUNA	Surrogate: M7PFUdA	95.2 %			30-130						
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	62.2 %			10-130						
13C2PFTEDA	Surrogate: M2PFTeDA	46.6 %			10-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	112 %			5-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	108 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	110 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	119 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	70.1 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	65.6 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	161 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	114 %			40-300						
13C9PFNA	Surrogate: M9PFNA	110 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	152 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	78.1 %			10-130						



Sample Information

Client Sample ID: MW-55D

York Sample ID: 25K0002-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst

Sample Information

Client Sample ID: MW-56S

York Sample ID: 25K0002-06

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



### Sample Information

**Client Sample ID:** MW-56S

**York Sample ID:** 25K0002-06

York Project (SDG) No.  
25K0002

Client Project ID  
Westchester County Airport

Matrix  
Ground Water

Collection Date/Time  
October 31, 2025 1:40 pm

Date Received  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	5.72	5.72	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
2706-90-3	<b>Perfluoropentanoic acid (PFPeA)</b>	<b>14.0</b>		ng/L	1.02	4.58	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.423	2.29	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
375-92-8	<b>Perfluoro-1-heptanesulfonic acid (PFHpS)</b>	<b>1.07</b>	J	ng/L	0.355	2.19	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.709	2.21	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.72	8.70	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.57	8.79	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
375-22-4	<b>Perfluoro-n-butanoic acid (PFBA)</b>	<b>16.2</b>		ng/L	1.86	9.15	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.572	4.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.43	4.58	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.801	4.58	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.60	4.58	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
2706-91-4	<b>Perfluoro-1-pentanesulfonate (PFPeS)</b>	<b>6.05</b>		ng/L	0.858	2.15	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	3.23	8.58	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.72	9.15	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.55	8.65	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	3.15	8.56	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
919005-14-4	ADONA	ND		ng/L	3.40	8.65	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	1.02	2.22	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.858	2.20	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.70	11.4	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM



### Sample Information

**Client Sample ID:** MW-56S

**York Sample ID:** 25K0002-06

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 1:40 pm	<u>Date Received</u> 11/03/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	28.6	57.2	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	26.4	57.2	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
24448-09-7	N-MeFOSE	ND		ng/L	8.12	22.9	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.29	2.29	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
1691-99-2	N-EtFOSE	ND		ng/L	8.33	22.9	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
4151-50-2	N-EtFOSA	ND		ng/L	1.20	2.29	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 05:49	AM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
M3PFBS	Surrogate: M3PFBS	101 %	40-135								
338-30-1	Surrogate: M5PFHxA	87.4 %	40-130								
13C4PFHPA	Surrogate: M4PFHPA	81.6 %	40-130								
13C3PFHXS	Surrogate: M3PFHxS	104 %	40-130								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	85.3 %	40-130								
13C6PFDA	Surrogate: M6PFDA	82.0 %	40-130								
13C7PFUNA	Surrogate: M7PFUDA	89.8 %	30-130								
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	74.5 %	10-130								
13C2PFTEDA	Surrogate: M2PFTeDA	63.8 %	10-130								
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	90.6 %	5-130								
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	104 %	40-130								
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	80.2 %	40-130								
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	80.9 %	40-130								
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	74.2 %	40-170								
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	83.5 %	25-135								
M2-6:2FTS	Surrogate: M2-6:2 FTS	158 %	40-200								
M2-8:2FTS	Surrogate: M2-8:2 FTS	115 %	40-300								
13C9PFNA	Surrogate: M9PFNA	90.6 %	40-130								
M2-4:2FTS	Surrogate: M2-4:2 FTS	131 %	40-200								
936109-37-4	Surrogate: d-N-MeFOSA	61.5 %	10-130								
936109-40-9	Surrogate: d-N-EtFOSA	66.8 %	10-130								
M3HFPO-DA	Surrogate: M3HFPO-DA	101 %	40-130								
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	75.3 %	10-130								
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	85.7 %	10-130								



### Sample Information

**Client Sample ID:** MW-56S

**York Sample ID:** 25K0002-06

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 1:40 pm	<u>Date Received</u> 11/03/2025
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### Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 25K0002-07

<u>York Project (SDG) No.</u> 25K0002	<u>Client Project ID</u> Westchester County Airport	<u>Matrix</u> Ground Water	<u>Collection Date/Time</u> October 31, 2025 2:00 pm	<u>Date Received</u> 11/03/2025
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**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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	1.62	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.507	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.710	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.903	1.86	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.01	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.771	1.89	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	1.00	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.578	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.720	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.609	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.22	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.60	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.507	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.07	5.07	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.903	4.06	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.375	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.314	1.94	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.629	1.96	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM



### Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 25K0002-07

**York Project (SDG) No.**  
25K0002

**Client Project ID**  
Westchester County Airport

**Matrix**  
Ground Water

**Collection Date/Time**  
October 31, 2025 2:00 pm

**Date Received**  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: 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)	ND		ng/L	5.07	7.71	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.28	7.79	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.65	8.11	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		ng/L	0.507	3.61	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		ng/L	3.04	4.06	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.710	4.06	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.42	4.06	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.761	1.91	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.86	7.61	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.07	8.11	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.26	7.67	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.79	7.59	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
919005-14-4	ADONA	ND		ng/L	3.01	7.67	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.903	1.97	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.761	1.95	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.39	10.1	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	25.4	50.7	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	23.4	50.7	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.20	20.3	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
31506-32-8	N-MeFOSA	ND		ng/L	2.03	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.38	20.3	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM



### Sample Information

**Client Sample ID:** Field Blank

**York Sample ID:** 25K0002-07

York Project (SDG) No.  
25K0002

Client Project ID  
Westchester County Airport

Matrix  
Ground Water

Collection Date/Time  
October 31, 2025 2:00 pm

Date Received  
11/03/2025

**Q P PFAS, EPA 1633a Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4151-50-2	N-EtFOSA	ND		ng/L	1.06	2.03	1	EPA 1633A Certifications: NYSDOH-NY12058	11/06/2025 11:46	11/08/2025 06:03	AM
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
M3PFBS	Surrogate: M3PFBS	111 %	40-135								
338-30-1	Surrogate: M5PFHxA	99.8 %	40-130								
13C4PFHPA	Surrogate: M4PFHpA	90.0 %	40-130								
13C3PFHXS	Surrogate: M3PFHxS	103 %	40-130								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	94.8 %	40-130								
13C6PFDA	Surrogate: M6PFDA	104 %	40-130								
13C7PFUNA	Surrogate: M7PFUdA	94.0 %	30-130								
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	74.9 %	10-130								
13C2PFTEDA	Surrogate: M2PFTeDA	73.7 %	10-130								
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	104 %	5-130								
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	101 %	40-130								
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	101 %	40-130								
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	104 %	40-130								
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	85.5 %	40-170								
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	80.7 %	25-135								
M2-6:2FTS	Surrogate: M2-6:2 FTS	114 %	40-200								
M2-8:2FTS	Surrogate: M2-8:2 FTS	96.0 %	40-300								
13C9PFNA	Surrogate: M9PFNA	110 %	40-130								
M2-4:2FTS	Surrogate: M2-4:2 FTS	128 %	40-200								
936109-37-4	Surrogate: d-N-MeFOSA	94.4 %	10-130								
936109-40-9	Surrogate: d-N-EtFOSA	85.7 %	10-130								
M3HFPO-DA	Surrogate: M3HFPO-DA	106 %	40-130								
D9-NETPFOSAE	Surrogate: d9-N-EtFOSE	75.4 %	10-130								
D7-NMEPFOSAE	Surrogate: d7-N-MeFOSE	85.9 %	10-130								



## Analytical Batch Summary

**Batch ID:** BK50345

**Preparation Method** EPA 1633 Prep

**Prepared By:** MG

YORK Sample ID	Client Sample ID	Preparation Date
25K0002-01	MW-60	11/06/25
25K0002-01RE1	MW-60	11/06/25
25K0002-02	MW-54S	11/06/25
25K0002-03	MW-54D	11/06/25
25K0002-03RE1	MW-54D	11/06/25
25K0002-04	MW-55S	11/06/25
25K0002-04RE1	MW-55S	11/06/25
25K0002-05	MW-55D	11/06/25
25K0002-06	MW-56S	11/06/25
25K0002-07	Field Blank	11/06/25
BK50345-BLK1	Blank	11/06/25
BK50345-BS1	LCS	11/06/25
BK50345-BS2	LCS	11/06/25



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BK50345 - EPA 1633 Prep**

**Blank (BK50345-BLK1)**

Prepared: 11/06/2025 Analyzed: 11/08/2025

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 (PFTTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	5.00	"								
Perfluoropentanoic acid (PFPeA)	ND	4.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	"								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	"								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	24.6		"	23.3		106	40-135				
Surrogate: M5PFHxA	24.1		"	25.0		96.4	40-130				
Surrogate: M4PFHpA	24.1		"	25.0		96.5	40-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK50345 - EPA 1633 Prep

Blank (BK50345-BLK1)

Prepared: 11/06/2025 Analyzed: 11/08/2025

Surrogate: M3PFHxS	25.9		ng/L	23.7		109	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.3		"	25.0		89.3	40-130				
Surrogate: M6PFDA	11.2		"	12.5		90.0	40-130				
Surrogate: M7PFUDa	10.4		"	12.5		83.1	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	9.81		"	12.5		78.5	10-130				
Surrogate: M2PFTeDA	9.98		"	12.5		79.8	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	97.8		"	100		97.8	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	24.9		"	24.0		104	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.6		"	50.0		93.3	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.1		"	25.0		116	40-130				
Surrogate: d3-N-MeFOSAA	38.9		"	50.0		77.8	40-170				
Surrogate: d5-N-EtFOSAA	39.4		"	50.0		78.9	25-135				
Surrogate: M2-6:2 FTS	55.2		"	47.6		116	40-200				
Surrogate: M2-8:2 FTS	47.4		"	48.0		98.8	40-300				
Surrogate: M9PFNA	11.5		"	12.5		91.6	40-130				
Surrogate: M2-4:2 FTS	56.8		"	46.9		121	40-200				
Surrogate: d-N-MeFOSA	21.1		"	25.0		84.4	10-130				
Surrogate: d-N-EtFOSA	18.9		"	25.0		75.6	10-130				
Surrogate: M3HFPO-DA	104		"	100		104	40-130				
Surrogate: d9-N-EtFOSE	202		"	250		80.8	10-130				
Surrogate: d7-N-MeFOSE	201		"	250		80.5	10-130				

LCS (BK50345-BS1)

Prepared: 11/06/2025 Analyzed: 11/08/2025

Perfluorobutanesulfonic acid (PFBS)	41.1	1.77	ng/L	35.4		116	60-145				
Perfluorohexanoic acid (PFHxA)	44.5	2.00	"	40.0		111	70-145				
Perfluoroheptanoic acid (PFHpA)	47.2	2.00	"	40.0		118	70-150				
Perfluorohexanesulfonic acid (PFHxS)	38.1	1.83	"	36.6		104	65-145				
Perfluorooctanoic acid (PFOA)	49.2	2.00	"	40.0		123	70-150				
Perfluorooctanesulfonic acid (PFOS)	45.8	1.86	"	37.2		123	55-150				
Perfluorononanoic acid (PFNA)	44.4	2.00	"	40.0		111	70-150				
Perfluorodecanoic acid (PFDA)	47.9	2.00	"	40.0		120	70-140				
Perfluoroundecanoic acid (PFUnA)	49.8	2.00	"	40.0		124	70-145				
Perfluorododecanoic acid (PFDoA)	54.3	2.00	"	40.0		136	70-140				
Perfluorotridecanoic acid (PFTrDA)	53.8	2.00	"	40.0		135	65-140				
Perfluorotetradecanoic acid (PFTA)	43.2	2.00	"	40.0		108	60-140				
N-MeFOSAA	41.0	2.00	"	40.0		102	50-140				
N-EtFOSAA	48.1	5.00	"	40.0		120	70-145				
Perfluoropentanoic acid (PFPeA)	88.0	4.00	"	80.0		110	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	42.4	2.00	"	40.0		106	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	44.4	1.91	"	38.2		116	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	39.8	1.93	"	38.6		103	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	154	7.60	"	152		101	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	181	7.68	"	154		118	60-150				
Perfluoro-n-butanoic acid (PFBA)	182	8.00	"	160		114	70-140				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50345 - EPA 1633 Prep</b>											
<b>LCS (BK50345-BS1)</b>											
Prepared: 11/06/2025 Analyzed: 11/08/2025											
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	88.1	3.56	ng/L	71.2		124	70-140				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	132	4.00	"	80.0		165	50-150	High Bias			
Perfluoro-4-oxapentanoic acid (PFMPA)	89.7	4.00	"	80.0		112	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	97.2	4.00	"	80.0		121	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	40.2	1.88	"	37.6		107	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	159	7.50	"	150		106	70-145				
HFPO-DA (Gen-X)	80.3	8.00	"	80.0		100	70-140				
11CL-PF3OUdS	73.1	7.56	"	75.6		96.7	55-160				
9CL-PF3ONS	79.7	7.48	"	74.8		107	70-155				
ADONA	83.7	7.56	"	75.6		111	65-145				
Perfluorododecanesulfonic acid (PFDoS)	28.4	1.94	"	38.8		73.2	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	41.5	1.92	"	38.4		108	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	282	10.0	"	160		176	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	964	50.0	"	800		121	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	1010	50.0	"	800		126	50-145				
N-MeFOSE	406	20.0	"	400		101	70-145				
N-MeFOSA	41.9	2.00	"	40.0		105	60-150				
N-EtFOSE	476	20.0	"	400		119	70-135				
N-EtFOSA	44.1	2.00	"	40.0		110	65-145				
Surrogate: M3PFBS	21.8		"	23.3		93.5	40-135				
Surrogate: M5PFHxA	22.2		"	25.0		88.9	40-130				
Surrogate: M4PFHpA	21.9		"	25.0		87.7	40-130				
Surrogate: M3PFHxS	22.3		"	23.7		94.3	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	20.9		"	25.0		83.6	40-130				
Surrogate: M6PFDA	10.1		"	12.5		81.0	40-130				
Surrogate: M7PFUdA	9.28		"	12.5		74.2	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.79		"	12.5		70.3	10-130				
Surrogate: M2PFTeDA	7.65		"	12.5		61.2	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	89.8		"	100		89.8	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.2		"	24.0		88.4	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	43.2		"	50.0		86.4	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.7		"	25.0		103	40-130				
Surrogate: d3-N-MeFOSAA	35.2		"	50.0		70.3	40-170				
Surrogate: d5-N-EtFOSAA	34.0		"	50.0		68.1	25-135				
Surrogate: M2-6:2 FTS	45.5		"	47.6		95.7	40-200				
Surrogate: M2-8:2 FTS	39.4		"	48.0		82.1	40-300				
Surrogate: M9PFNA	11.4		"	12.5		91.4	40-130				
Surrogate: M2-4:2 FTS	45.6		"	46.9		97.1	40-200				
Surrogate: d-N-MeFOSA	21.9		"	25.0		87.4	10-130				
Surrogate: d-N-EtFOSA	20.4		"	25.0		81.5	10-130				
Surrogate: M3HFPO-DA	101		"	100		101	40-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50345 - EPA 1633 Prep</b>											
<b>LCS (BK50345-BS1)</b>						Prepared: 11/06/2025 Analyzed: 11/08/2025					
Surrogate: d9-N-EtFOSE	203		ng/L	250		81.3	10-130				
Surrogate: d7-N-MeFOSE	226		"	250		90.6	10-130				
<b>LCS (BK50345-BS2)</b>						Prepared: 11/06/2025 Analyzed: 11/08/2025					
Perfluorobutanesulfonic acid (PFBS)	3.35	1.77	ng/L	3.54		94.6	60-145				
Perfluorohexanoic acid (PFHxA)	3.80	2.00	"	4.00		95.1	70-145				
Perfluoroheptanoic acid (PFHpA)	4.80	2.00	"	4.00		120	70-150				
Perfluorohexanesulfonic acid (PFHxS)	3.64	1.83	"	3.66		99.3	65-145				
Perfluorooctanoic acid (PFOA)	4.21	2.00	"	4.00		105	70-150				
Perfluorooctanesulfonic acid (PFOS)	2.80	1.86	"	3.72		75.3	55-150				
Perfluorononanoic acid (PFNA)	4.45	2.00	"	4.00		111	70-150				
Perfluorodecanoic acid (PFDA)	4.48	2.00	"	4.00		112	70-140				
Perfluoroundecanoic acid (PFUnA)	4.58	2.00	"	4.00		114	70-145				
Perfluorododecanoic acid (PFDoA)	4.68	2.00	"	4.00		117	70-140				
Perfluorotridecanoic acid (PFTrDA)	4.19	2.00	"	4.00		105	65-140				
Perfluorotetradecanoic acid (PFTA)	4.32	2.00	"	4.00		108	60-140				
N-MeFOSAA	3.65	2.00	"	4.00		91.1	50-140				
N-EtFOSAA	3.67	5.00	"	4.00		91.7	70-145				
Perfluoropentanoic acid (PFPeA)	7.55	4.00	"	8.00		94.4	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	3.49	2.00	"	4.00		87.2	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.39	1.91	"	3.82		88.9	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.64	1.93	"	3.86		94.2	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	12.6	7.60	"	15.2		82.8	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	16.4	7.68	"	15.4		107	60-150				
Perfluoro-n-butanoic acid (PFBA)	15.7	8.00	"	16.0		98.3	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.84	3.56	"	7.12		110	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.67	4.00	"	8.00		108	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	8.35	4.00	"	8.00		104	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	8.87	4.00	"	8.00		111	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.78	1.88	"	3.76		100	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	16.3	7.50	"	15.0		108	70-145				
HFPO-DA (Gen-X)	6.14	8.00	"	8.00		76.8	70-140				
11CL-PF3OUdS	8.75	7.56	"	7.56		116	55-160				
9CL-PF3ONS	8.56	7.48	"	7.48		114	70-155				
ADONA	8.05	7.56	"	7.56		106	65-145				
Perfluorododecanesulfonic acid (PFDoS)	3.33	1.94	"	3.88		85.8	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	2.61	1.92	"	3.84		67.9	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	25.7	10.0	"	16.0		161	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	80.0	50.0	"	80.0		100	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	84.8	50.0	"	80.0		106	50-145				
N-MeFOSE	39.5	20.0	"	40.0		98.6	70-145				
N-MeFOSA	3.89	2.00	"	4.00		97.2	60-150				
N-EtFOSE	44.9	20.0	"	40.0		112	70-135				
N-EtFOSA	4.55	2.00	"	4.00		114	65-145				



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

York Analytical Laboratories, Inc.

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

Batch BK50345 - EPA 1633 Prep

LCS (BK50345-BS2)

Prepared: 11/06/2025 Analyzed: 11/08/2025

Surrogate: M3PFBS	25.8		ng/L	23.3		111	40-135				
Surrogate: M5PFHxA	23.7		"	25.0		94.7	40-130				
Surrogate: M4PFHpA	22.5		"	25.0		90.0	40-130				
Surrogate: M3PFHxS	23.5		"	23.7		99.0	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.9		"	25.0		91.5	40-130				
Surrogate: M6PFDA	12.2		"	12.5		97.3	40-130				
Surrogate: M7PFUDa	12.2		"	12.5		97.9	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.4		"	12.5		90.8	10-130				
Surrogate: M2PFTeDA	12.0		"	12.5		96.0	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	98.3		"	100		98.3	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26.1		"	24.0		109	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.6		"	50.0		91.1	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	27.9		"	25.0		112	40-130				
Surrogate: d3-N-MeFOSAA	42.1		"	50.0		84.1	40-170				
Surrogate: d5-N-EtFOSAA	41.8		"	50.0		83.6	25-135				
Surrogate: M2-6:2 FTS	54.5		"	47.6		115	40-200				
Surrogate: M2-8:2 FTS	42.2		"	48.0		87.8	40-300				
Surrogate: M9PFNA	11.7		"	12.5		93.8	40-130				
Surrogate: M2-4:2 FTS	49.2		"	46.9		105	40-200				
Surrogate: d-N-MeFOSA	22.3		"	25.0		89.2	10-130				
Surrogate: d-N-EtFOSA	22.7		"	25.0		90.9	10-130				
Surrogate: M3HFPO-DA	103		"	100		103	40-130				
Surrogate: d9-N-EtFOSE	231		"	250		92.5	10-130				
Surrogate: d7-N-MeFOSE	245		"	250		98.2	10-130				





## Sample and Data Qualifiers Relating to This Work Order

- ZZ:\ Analyte is not certified but the state of sample origination offer certification for the Analyte
- PFSu-H The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
- 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.

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# Field Chain-of-Custody Record

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 2161 Whitesville Rd Toms River, NJ 08755 clientservices@yorklab.com 800-306-YORK 800-306-9675

ALS Project Number: **25K0002**

Page **1** of **1**

**Report To:** WSP  
 500 Summit Lakes  
 Valhalla, NY  
 Phone: 914 329 1392  
 Contact: John Benayahu  
 Email: John.Benayahu@wsp.com

**Invoice To:** SAME

**YOUR Project Name / Number:** Westchester County Airport (WCA)  
 PO Number: US00 33899.2856

**Samples Collected From:** NY, CT, PA, Other: (please specify)

**Analyses Requested:**

Sample Identification	Date	Time	Matrix	Preservative (please list number of containers)										G/C	EDD Type (circle)	
				Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO <sub>3</sub> (nitric acid)	H <sub>2</sub> SO <sub>4</sub> (sulfuric acid)	NaOH (sodium hydroxide)	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (sodium thio)	Trizma	Ammonium Acetate	Other:			
MW-60	10/3/25	1045	GW													
MW-54S		1120	GW													
MW-54D		1200	GW													
MW-55S		1240	GW													
MW-55D		1300	GW													
MW-56S		1340	GW													
Field Blank		1400	DI													
TRIP BLANK			DI													

**Matrix Codes:**  
 S - soil/solid/sludge  
 GW - groundwater  
 DW - drinking water  
 SW - surface water  
 WW - wastewater  
 O - Oil  
 Other

**Report Type (circle):** QA Report  
 Summary (Results Only)  
 NY ASP B Package  
 NJ Reduced  
 NJ DKQP  
 NJ Full  
 CT RCP

**EDD Type (circle):** EQUIS (standard)  
 NYSDEC EQUIS  
 NJDEP SRP Haz Site  
 Standard Excel  
 CMDP  
 Other:

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

**Field Filtered:**   
**Lab Filtered:**

**Comments:**

**Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N**

Custody Seals: Y  N  Containers Intact: Y  N  COC Labels Agree: Y  N  Preservation Confirmed: Y  N   
 COC Complete: Y  N  COC Received: Y  N  Appropriate Sample Volumes: Y  N  Appropriate Sample Containers: Y  N   
 Cooler Temperature Confirmed: Y  N  Samples Submitted within Holding Times: Y  N  Corrective Action Form Required: Y  N

**1. Samples Relinquished by / Company:** [Signature] 10/3/25 16:50  
**2. Samples Relinquished by / Company:** [Signature] 11/3/25 18:00  
**3. Samples Received by / Company:** [Signature] 11/3/25 18:00  
**4. Samples Received by / Company:** [Signature] 11/3/25 20:20

**Temperature:** 16.9 Degrees C



ALS Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

# Field Chain-of-Custody Record

120 Research Drive Stamford CT 06615 132-02 89th Ave Queens, NY 11418 58 Church Hill Rd #2 Newtown CT 06470 2161 Whiteside Rd Torrington River, NJ 08755

ALS Project Number

Report To: WSP

Invoice To: WSP

YOUR Project Name / Number

Turn-Around Time

Company: WSP  
Address: 500 Summit + Lovell  
Phone: 914 329 1942  
Contact: John. Bernynk  
Email: John.Bernynk@wsp.rich

Company: WSP  
Address: 500 Summit + Lovell  
Phone: 914 329 1942  
Contact: John. Bernynk  
Email: John.Bernynk@wsp.rich

Wastchester County Airpwr (WCA)  
PO Number: US0033899.2858

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

Matrix Codes  
DW - groundwater  
DW - drinking water  
SW - surface water  
WW - wastewater  
O - Oil  
Other

Preservative  
(please list number of containers)  
HCl (hydrochloric acid)  
MeOH (methanol)  
HNO<sub>3</sub> (nitric acid)  
H<sub>2</sub>SO<sub>4</sub> (sulfuric acid)  
NaOH (sodium hydroxide)  
Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> (sodium thio.)  
Trizma  
Ammonium Acetate  
Other:

Samples Collected From  
NY   
NJ   
CT   
PA   
Other: (please specify)

Summary (Results Only)  
NY ASP B Package  
NJ Reduced  
NJ DKQP  
NJ Full  
CT RCP

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 ALS are resolved.

Sample Identification	Date	Time	Matrix	Unpreserved	HCl (hydrochloric acid)	MeOH (methanol)	HNO <sub>3</sub> (nitric acid)	H <sub>2</sub> SO <sub>4</sub> (sulfuric acid)	NaOH (sodium hydroxide)	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (sodium thio.)	Trizma	Ammonium Acetate	Other:	Grab or Comp	Field Filtered	Lab Filtered
MW-10	10/31/14	1045	GW													
MW-545		1170														
MW-545		1200														
MW-555		1240														
MW-551		1300														
MW-565		1340														
Field Blank		1400														
TRIPBLANK																

Samples Collected by: (print AND SIGN your name)

Mike Reiff

PTAS 1633  
8260 full list

Signature: [Signature]

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

Comments:

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals: Y / N Containers Intact: Y / N COC Labels Agree: Y / N Preservation Confirmed: Y / N  
COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N  
Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1 Samples Reinstated at time of unaccept? circle Yes or No

1 Samples Reinstated by / Company: [Signature] Date/Time: 10/31/14

2 Samples Received by / Company: [Signature] Date/Time: 10/31/14

3 Samples Received by / Company: [Signature] Date/Time: 10/31/14

4 Samples Reinstated by / Company: [Signature] Date/Time: 10/31/14

5 Samples Received in Lab by: [Signature] Date/Time: 10/31/14

Temperature: [Blank] Degrees C



# Field Chain-of-Custody Record

ALS Project Number

ALS' Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown CT 06470 2161 Whitesville Rd Tom's River, NJ 08755 clientservices@yorklab.com 800-306-YORK 800-306-9675

Page 1 of 1

Page 37 of 37

<b>Report To:</b> Company: WSP Address: 500 Summit Lane Valhalla NY Phone: 914 329 1392 Contact: John. Benvenuti E-mail: John.Benvenuti@wsp.com		<b>Invoice To:</b> Company: Address: Phone: Contact: E-mail:		<b>YOUR Project Name / Number</b> Wastchester County Airport (WCA)  PO Number US00 33 899.2856  Preservative (please list number of containers)		<b>Samples Collected From</b> NY <input checked="" type="checkbox"/> CT NJ <input type="checkbox"/> PA Other: (please specify)		<b>Turn-Around Time</b> RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day RUSH - Five Day Standard (6-9 Day) PFAS Standard 7-10 Day	
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 ALS are resolved.		<b>Matrix Codes</b> S - soil/solid/sludge GW - groundwater DW - drinking water SW - surface water WW - wastewater O - Oil Other		Unpreserved HCl (hydrochloric acid) MeOH (methanol) HNO <sub>3</sub> (nitric acid) H <sub>2</sub> SO <sub>4</sub> (sulfuric acid) NaOH (sodium hydroxide) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (sodium thio.) Trizma Ammonium Acetate Other:		<b>Analyses Requested</b> PFAS 1633 8260 full list		<b>Report Type (circle)</b> QA Report Summary (Results Only) NY ASP B Package NJ Reduced NJ DKQP NJ Full CT RCP	
Samples Collected by: (print AND sign your name) Mike Reiff		Grab or Comp. G/C		EDD Type (circle) EQUIS (standard) NYSDEC EQUIS NJDEP SRP Haz Site Standard Excel CMDP		Regulatory Comparative Compared to the following Regulation(s): (please fill in)		Field Filtered Lab Filtered	
<b>Sample Identification</b>		<b>Date</b>		<b>Time</b>		<b>Matrix</b>			
MW-60		10/31/25		1045		GW			
MW-54S				1170					
MW-54D				1200					
MW-55S				1240					
MW-55D				1300					
MW-56S				1340					
Field Blank				1400		DF			
<del>Trp Blank</del>						<del>DS</del>			

**Comments:**

**Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N**  
 Custody Seals: Y / N Containers Intact: Y / N COC/Labels Agree: Y / N Preservation Confirmed: Y / N  
 COC Complete: Y / N COC Received: Y / N Appropriate Sample Volumes: Y / N Appropriate Sample Containers: Y / N  
 Cooler Temperature Confirmed: Y / N Samples Submitted within Holding Times: Y / N Corrective Action Form Required: Y / N

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	10/31/25 1430		10-3-25 10:00		
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
					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: 11/25/2025

**Client Project ID: Westchester County Airport (WCA)**

York Project (SDG) No.: 25K0086

Report Date: 11/25/2025  
Client Project ID: Westchester County Airport (WCA)  
York Project (SDG) No.: 25K0086

**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 November 04, 2025 and listed below. The project was identified as your project: **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
25K0086-01	XDDMW-11	Ground Water	11/03/2025	11/04/2025
25K0086-02	XDDMW-10	Ground Water	11/03/2025	11/04/2025
25K0086-03	MW-59D	Ground Water	11/03/2025	11/04/2025
25K0086-04	MW-58D	Ground Water	11/03/2025	11/04/2025
25K0086-05	MW-56D	Ground Water	11/03/2025	11/04/2025
25K0086-06	FMW-35	Ground Water	11/03/2025	11/04/2025
25K0086-07	FMW-40	Ground Water	11/03/2025	11/04/2025
25K0086-08	FMW-31	Ground Water	11/03/2025	11/04/2025
25K0086-09	Field Blank	Ground Water	11/03/2025	11/04/2025
25K0086-10	Trip Blank	Water	11/03/2025	11/04/2025

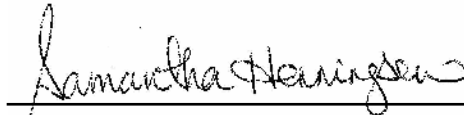
**General Notes for York Project (SDG) No.: 25K0086**

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 NYDOH-NY10854, NJDEP-CT005, PADEP-68-04440, CTDPH-PH0840; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NYDOH-NY12058, NJDEP-NY037, CTDPH-PH0837, NHDES-NH2097, MDDEP-375, PADEP-68-06231.

**Approved By:**



Cassie Mosher  
Laboratory Manager Stratford



Samantha Henningsen  
Laboratory Director - Queens

**Date:** 11/25/2025



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	XDDMW-11	<b>Collection Date/Time:</b>	11/3/25 10:15

<b>Lab ID:</b>	25K0086-01	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	Semivolatile Organic Compounds by GC/MS/SIM	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 3535A		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,4-Dioxane	2.35		0.200	0.300	1	ug/L	EPA 8270E SIM	11/7/25 9:44	11/11/25 17:21	ak

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: 1,4-Dioxane-d8	116 %		36.6-118	EPA 8270E SIM	11/11/25 17:21

<b>Lab ID:</b>	25K0086-01	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	PFAS Target compounds by LC/MS-MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	10.5		1.95	2.16	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluorohexanoic acid (PFHxA)	27.6		0.610	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoroheptanoic acid (PFHpA)	17.5		0.854	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluorohexanesulfonic acid (PFHxS)	78.2		1.09	2.23	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluorooctanoic acid (PFOA)	18.1		1.22	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluorooctanesulfonic acid (PFOS)	13.1		0.927	2.27	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluorononanoic acid (PFNA)	7.49		1.21	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluorodecanoic acid (PFDA)	ND		0.695	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.866	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluorododecanoic acid (PFDoA)	ND	PF-LCS-L	0.732	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.46	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.93	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
N-MeFOSAA	ND		0.610	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
N-EtFOSAA	ND	PF-LCS-L	6.10	6.10	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoropentanoic acid (PFPeA)	34.6		1.09	4.88	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.451	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	0.929	PF-LCS-L, J	0.378	2.33	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.756	2.35	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		6.10	9.27	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	XDDMW-11	<b>Collection Date/Time:</b>	11/3/25 10:15

<b>Lab ID:</b>	<b>25K0086-01</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.74	9.37	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoro-n-butanoic acid (PFBA)	<b>13.7</b>		1.99	9.76	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.610	4.34	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		3.66	4.88	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.854	4.88	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.71	4.88	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoro-1-pentanesulfonate (PFPeS)	<b>9.08</b>		0.915	2.29	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		3.44	9.15	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
HFPO-DA (Gen-X)	ND		6.10	9.76	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
11CL-PF30UdS	ND		2.72	9.22	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
9CL-PF3ONS	ND	PF-LCS-L	3.35	9.12	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
ADONA	ND	PF-LCS-L	3.62	9.22	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		1.09	2.37	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.915	2.34	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.88	12.2	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		30.5	61.0	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		28.1	61.0	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
N-MeFOSE	ND		8.66	24.4	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
N-MeFOSA	ND		2.44	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
N-EtFOSE	ND		8.88	24.4	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM
N-EtFOSA	ND		1.28	2.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 21:49	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	136 %	PFSu-H	40-135	EPA 1633A	11/13/25 21:49
Surrogate: M5PFHxA	130 %	PFSu-H	40-130	EPA 1633A	11/13/25 21:49
Surrogate: M4PFHpA	125 %		40-130	EPA 1633A	11/13/25 21:49
Surrogate: M3PFHxS	128 %		40-130	EPA 1633A	11/13/25 21:49
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	131 %	PFSu-H	40-130	EPA 1633A	11/13/25 21:49
Surrogate: M6PFDA	117 %		40-130	EPA 1633A	11/13/25 21:49



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-01</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	XDDMW-11	<b>Collection Date/Time:</b>	11/3/25 10:15

<b>Lab ID:</b>	<b>25K0086-01</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M7PFUdA	100 %		30-130	EPA 1633A	11/13/25 21:49
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	78.6 %		10-130	EPA 1633A	11/13/25 21:49
Surrogate: M2PFTeDA	49.2 %		10-130	EPA 1633A	11/13/25 21:49
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.6 %		5-130	EPA 1633A	11/13/25 21:49
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	123 %		40-130	EPA 1633A	11/13/25 21:49
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	131 %	PFSu-H	40-130	EPA 1633A	11/13/25 21:49
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	102 %		40-130	EPA 1633A	11/13/25 21:49
Surrogate: d3-N-MeFOSAA	107 %		40-170	EPA 1633A	11/13/25 21:49
Surrogate: d5-N-EtFOSAA	92.1 %		25-135	EPA 1633A	11/13/25 21:49
Surrogate: M2-6:2 FTS	177 %		40-200	EPA 1633A	11/13/25 21:49
Surrogate: M2-8:2 FTS	184 %		40-300	EPA 1633A	11/13/25 21:49
Surrogate: M9PFNA	133 %	PFSu-H	40-130	EPA 1633A	11/13/25 21:49
Surrogate: M2-4:2 FTS	191 %		40-200	EPA 1633A	11/13/25 21:49
Surrogate: d-N-MeFOSA	63.7 %		10-130	EPA 1633A	11/13/25 21:49
Surrogate: d-N-EtFOSA	52.5 %		10-130	EPA 1633A	11/13/25 21:49
Surrogate: M3HFPO-DA	128 %		40-130	EPA 1633A	11/13/25 21:49
Surrogate: d9-N-EtFOSE	58.8 %		10-130	EPA 1633A	11/13/25 21:49
Surrogate: d7-N-MeFOSE	66.4 %		10-130	EPA 1633A	11/13/25 21:49

<b>Lab ID:</b>	<b>25K0086-01</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Gas Chromatography/Flame Ionization Detector</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: Preparation for GC Analysis		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
* Ethylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	11/8/25 8:13	11/8/25 09:18	GXB
* Propylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	11/8/25 8:13	11/8/25 09:18	GXB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: 1,4-Butanediol			30-130	GC/FID	11/8/25 09:18



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25K0086-02
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 11/04/2025
<b>Client Sample ID:</b> XDDMW-10	<b>Collection Date/Time:</b> 11/3/25 11:00

<b>Lab ID:</b> 25K0086-02	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,1-Dichloroethane	<b>0.830</b>	CCVE, ICVE, QL-02	0.272	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
2,2-Dichloropropane	ND	CCVE	0.466	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-02</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	XDDMW-10	<b>Collection Date/Time:</b>	11/3/25 11:00

<b>Lab ID:</b>	25K0086-02	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	Volatile Organic Compounds by GC/MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Acrolein	ND	CAL-E, ICVE	0.447	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Bromomethane	ND		0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Dichlorodifluoromethane	ND		0.451	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
* Iodomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25K0086-02
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 11/04/2025
<b>Client Sample ID:</b> XDDMW-10	<b>Collection Date/Time:</b> 11/3/25 11:00

<b>Lab ID:</b> 25K0086-02	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
n-Butylbenzene	ND	QL-02	0.399	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
* p-Ethyltoluene	ND		0.200	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Tetrachloroethylene	ND	QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:29	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	100 %		69-130	EPA 8260D	11/7/25 07:29
Surrogate: SURRE: Toluene-d8	118 %	S-08, S-HI	81-117	EPA 8260D	11/7/25 07:29
Surrogate: SURRE: p-Bromofluorobenzene	114 %		79-122	EPA 8260D	11/7/25 07:29



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-59D	<b>Collection Date/Time:</b>	11/3/25 12:00

<b>Lab ID:</b>	<b>25K0086-03</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
2,2-Dichloropropane	ND	CCVE	0.466	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Acrolein	ND	CAL-E, ICVE	0.447	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-59D	<b>Collection Date/Time:</b>	11/3/25 12:00

<b>Lab ID:</b>	25K0086-03	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	Volatile Organic Compounds by GC/MS	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Bromomethane	ND		0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Dichlorodifluoromethane	ND		0.451	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
* Iodomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-59D	<b>Collection Date/Time:</b>	11/3/25 12:00

<b>Lab ID:</b>	<b>25K0086-03</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
n-Butylbenzene	ND	QL-02	0.399	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
* p-Ethyltoluene	ND		0.200	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Tetrachloroethylene	ND	QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 07:57	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	101 %		69-130	EPA 8260D	11/7/25 07:57
Surrogate: SURRE: Toluene-d8	117 %		81-117	EPA 8260D	11/7/25 07:57
Surrogate: SURRE: p-Bromofluorobenzene	113 %		79-122	EPA 8260D	11/7/25 07:57



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-59D	<b>Collection Date/Time:</b>	11/3/25 12:00

<b>Lab ID:</b>	<b>25K0086-03</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.60	1.77	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluorohexanoic acid (PFHxA)	ND		0.499	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoroheptanoic acid (PFHpA)	ND		0.699	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluorohexanesulfonic acid (PFHxS)	ND		0.888	1.83	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluorooctanoic acid (PFOA)	ND		0.998	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluorooctanesulfonic acid (PFOS)	ND		0.758	1.86	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluorononanoic acid (PFNA)	ND		0.988	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluorodecanoic acid (PFDA)	ND		0.569	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.709	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluorododecanoic acid (PFDoA)	ND	PF-LCS-L	0.599	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.20	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.58	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
N-MeFOSAA	ND		0.499	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
N-EtFOSAA	ND	PF-LCS-L	4.99	4.99	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoropentanoic acid (PFPeA)	ND		0.888	3.99	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.369	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	PF-LCS-L	0.309	1.91	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.619	1.93	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		4.99	7.58	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.25	7.66	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoro-n-butanoic acid (PFBA)	ND		1.63	7.98	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		0.499	3.55	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		2.99	3.99	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.699	3.99	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.40	3.99	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.749	1.88	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-59D	<b>Collection Date/Time:</b>	11/3/25 12:00

<b>Lab ID:</b>	<b>25K0086-03</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.81	7.49	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
HFPO-DA (Gen-X)	ND		4.99	7.98	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
11CL-PF3OUdS	ND		2.23	7.54	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
9CL-PF3ONS	ND	PF-LCS-L	2.74	7.47	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
ADONA	ND	PF-LCS-L	2.96	7.54	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.888	1.94	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.749	1.92	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.36	9.98	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		25.0	49.9	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		23.0	49.9	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
N-MeFOSE	ND		7.09	20.0	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
N-MeFOSA	ND		2.00	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
N-EtFOSE	ND		7.27	20.0	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM
N-EtFOSA	ND		1.05	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:03	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	144 %	PFSu-H	40-135	EPA 1633A	11/13/25 22:03
Surrogate: M5PFHxA	135 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:03
Surrogate: M4PFHpA	127 %		40-130	EPA 1633A	11/13/25 22:03
Surrogate: M3PFHxS	138 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:03
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	132 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:03
Surrogate: M6PFDA	123 %		40-130	EPA 1633A	11/13/25 22:03
Surrogate: M7PFUdA	121 %		30-130	EPA 1633A	11/13/25 22:03
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	101 %		10-130	EPA 1633A	11/13/25 22:03
Surrogate: M2PFTeDA	73.0 %		10-130	EPA 1633A	11/13/25 22:03
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	61.2 %		5-130	EPA 1633A	11/13/25 22:03
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	137 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:03
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	138 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:03
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	132 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:03
Surrogate: d3-N-MeFOSAA	139 %		40-170	EPA 1633A	11/13/25 22:03



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-03</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-59D	<b>Collection Date/Time:</b>	11/3/25 12:00

<b>Lab ID:</b>	<b>25K0086-03</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d5-N-EtFOSAA	132 %		25-135	EPA 1633A	11/13/25 22:03
Surrogate: M2-6:2 FTS	223 %	PFSu-H	40-200	EPA 1633A	11/13/25 22:03
Surrogate: M2-8:2 FTS	203 %		40-300	EPA 1633A	11/13/25 22:03
Surrogate: M9PFNA	138 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:03
Surrogate: M2-4:2 FTS	234 %	PFSu-H	40-200	EPA 1633A	11/13/25 22:03
Surrogate: d-N-MeFOSA	113 %		10-130	EPA 1633A	11/13/25 22:03
Surrogate: d-N-EtFOSA	109 %		10-130	EPA 1633A	11/13/25 22:03
Surrogate: M3HFPO-DA	132 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:03
Surrogate: d9-N-EtFOSE	72.8 %		10-130	EPA 1633A	11/13/25 22:03
Surrogate: d7-N-MeFOSE	77.9 %		10-130	EPA 1633A	11/13/25 22:03

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-04</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-58D	<b>Collection Date/Time:</b>	11/3/25 12:45

<b>Lab ID:</b>	<b>25K0086-04</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		16.2	17.9	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluorohexanoic acid (PFHxA)	<b>912</b>		5.05	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoroheptanoic acid (PFHpA)	<b>988</b>		7.07	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluorohexanesulfonic acid (PFHxS)	<b>83.0</b>		8.99	18.5	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluorooctanoic acid (PFOA)	<b>691</b>		10.1	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluorooctanesulfonic acid (PFOS)	<b>221</b>		7.68	18.8	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluorononanoic acid (PFNA)	<b>262</b>		10.0	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluorodecanoic acid (PFDA)	<b>406</b>		5.76	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoroundecanoic acid (PFUnA)	<b>78.4</b>		7.17	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluorododecanoic acid (PFDoA)	<b>9.77</b>	J, PF-LCS-L	6.06	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluorotridecanoic acid (PFTTrDA)	ND		12.1	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-04</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-58D	<b>Collection Date/Time:</b>	11/3/25 12:45

<b>Lab ID:</b>	<b>25K0086-04</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorotetradecanoic acid (PFTA)	ND		16.0	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
N-MeFOSAA	ND		5.05	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
N-EtFOSAA	ND	PF-LCS-L	50.5	50.5	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoropentanoic acid (PFPeA)	<b>1800</b>		8.99	40.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		3.74	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	PF-LCS-L	3.13	19.3	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		6.26	19.5	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	<b>189</b>		50.5	76.8	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	<b>770</b>		22.7	77.6	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoro-n-butanoic acid (PFBA)	<b>396</b>		16.5	80.8	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		5.05	36.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		30.3	40.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		7.07	40.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		14.1	40.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoro-1-pentanesulfonate (PFPeS)	<b>11.4</b>	J	7.58	19.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		28.5	75.8	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
HFPO-DA (Gen-X)	ND		50.5	80.8	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
11CL-PF3OUdS	ND		22.5	76.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
9CL-PF3ONS	ND	PF-LCS-L	27.8	75.6	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
ADONA	ND	PF-LCS-L	30.0	76.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		8.99	19.6	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		7.58	19.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		23.8	101	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		253	505	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		233	505	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
N-MeFOSE	ND		71.7	202	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25K0086-04
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 11/04/2025
<b>Client Sample ID:</b> MW-58D	<b>Collection Date/Time:</b> 11/3/25 12:45

<b>Lab ID:</b> 25K0086-04	<b>Laboratory:</b> Queens
<b>Analysis:</b> PFAS Target compounds by LC/MS-MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 1633 Prep	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
N-MeFOSA	ND		20.2	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
N-EtFOSE	ND		73.5	202	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM
N-EtFOSA	ND		10.6	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:17	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	171 %	PFSu-H	40-135	EPA 1633A	11/13/25 22:17
Surrogate: M5PFHxA	151 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:17
Surrogate: M4PFHpA	155 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:17
Surrogate: M3PFHxS	175 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:17
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	142 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:17
Surrogate: M6PFDA	141 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:17
Surrogate: M7PFUdA	106 %		30-130	EPA 1633A	11/13/25 22:17
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	73.8 %		10-130	EPA 1633A	11/13/25 22:17
Surrogate: M2PFTeDA	53.4 %		10-130	EPA 1633A	11/13/25 22:17
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	94.9 %		5-130	EPA 1633A	11/13/25 22:17
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	143 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:17
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	149 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:17
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	118 %		40-130	EPA 1633A	11/13/25 22:17
Surrogate: d3-N-MeFOSAA	130 %		40-170	EPA 1633A	11/13/25 22:17
Surrogate: d5-N-EtFOSAA	116 %		25-135	EPA 1633A	11/13/25 22:17
Surrogate: M2-6:2 FTS	243 %	PFSu-H	40-200	EPA 1633A	11/13/25 22:17
Surrogate: M2-8:2 FTS	165 %		40-300	EPA 1633A	11/13/25 22:17
Surrogate: M9PFNA	153 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:17
Surrogate: M2-4:2 FTS	299 %	PFSu-H	40-200	EPA 1633A	11/13/25 22:17
Surrogate: d-N-MeFOSA	71.9 %		10-130	EPA 1633A	11/13/25 22:17
Surrogate: d-N-EtFOSA	71.8 %		10-130	EPA 1633A	11/13/25 22:17
Surrogate: M3HFPO-DA	169 %	PFSu-H	40-130	EPA 1633A	11/13/25 22:17
Surrogate: d9-N-EtFOSE	70.5 %		10-130	EPA 1633A	11/13/25 22:17
Surrogate: d7-N-MeFOSE	79.8 %		10-130	EPA 1633A	11/13/25 22:17



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-56D	<b>Collection Date/Time:</b>	11/3/25 13:30

<b>Lab ID:</b>	<b>25K0086-05</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.67	1.85	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluorohexanoic acid (PFHxA)	ND		0.522	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoroheptanoic acid (PFHpA)	ND		0.731	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluorohexanesulfonic acid (PFHxS)	<b>1.78</b>	J	0.929	1.91	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluorooctanoic acid (PFOA)	<b>1.51</b>	J	1.04	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluorooctanesulfonic acid (PFOS)	<b>2.27</b>		0.793	1.94	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluorononanoic acid (PFNA)	ND		1.03	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluorodecanoic acid (PFDA)	ND		0.595	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.741	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluorododecanoic acid (PFDoA)	ND	PF-LCS-L	0.626	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.25	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.65	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
N-MeFOSAA	ND		0.522	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
N-EtFOSAA	ND	PF-LCS-L	5.22	5.22	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoropentanoic acid (PFPeA)	ND		0.929	4.18	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.386	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	PF-LCS-L	0.324	1.99	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.647	2.01	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5.22	7.93	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.35	8.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoro-n-butanoic acid (PFBA)	ND		1.70	8.35	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.522	3.72	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.13	4.18	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.731	4.18	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.46	4.18	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.783	1.96	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-56D	<b>Collection Date/Time:</b>	11/3/25 13:30

<b>Lab ID:</b>	<b>25K0086-05</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.94	7.83	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
HFPO-DA (Gen-X)	ND		5.22	8.35	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
11CL-PF3OUdS	ND		2.33	7.89	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
9CL-PF3ONS	ND	PF-LCS-L	2.87	7.81	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
ADONA	ND	PF-LCS-L	3.10	7.89	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.929	2.03	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.783	2.00	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.46	10.4	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		26.1	52.2	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		24.1	52.2	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
N-MeFOSE	ND		7.41	20.9	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
N-MeFOSA	ND		2.09	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
N-EtFOSE	ND		7.60	20.9	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM
N-EtFOSA	ND		1.10	2.09	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 22:46	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	130 %		40-135	EPA 1633A	11/13/25 22:46
Surrogate: M5PFHxA	124 %		40-130	EPA 1633A	11/13/25 22:46
Surrogate: M4PFHpA	128 %		40-130	EPA 1633A	11/13/25 22:46
Surrogate: M3PFHxS	128 %		40-130	EPA 1633A	11/13/25 22:46
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	120 %		40-130	EPA 1633A	11/13/25 22:46
Surrogate: M6PFDA	119 %		40-130	EPA 1633A	11/13/25 22:46
Surrogate: M7PFUdA	104 %		30-130	EPA 1633A	11/13/25 22:46
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	81.5 %		10-130	EPA 1633A	11/13/25 22:46
Surrogate: M2PFTeDA	62.4 %		10-130	EPA 1633A	11/13/25 22:46
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	98.1 %		5-130	EPA 1633A	11/13/25 22:46
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	113 %		40-130	EPA 1633A	11/13/25 22:46
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	128 %		40-130	EPA 1633A	11/13/25 22:46
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	105 %		40-130	EPA 1633A	11/13/25 22:46
Surrogate: d3-N-MeFOSAA	111 %		40-170	EPA 1633A	11/13/25 22:46



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-05</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	MW-56D	<b>Collection Date/Time:</b>	11/3/25 13:30

<b>Lab ID:</b>	<b>25K0086-05</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d5-N-EtFOSAA	101 %		25-135	EPA 1633A	11/13/25 22:46
Surrogate: M2-6:2 FTS	165 %		40-200	EPA 1633A	11/13/25 22:46
Surrogate: M2-8:2 FTS	138 %		40-300	EPA 1633A	11/13/25 22:46
Surrogate: M9PFNA	123 %		40-130	EPA 1633A	11/13/25 22:46
Surrogate: M2-4:2 FTS	181 %		40-200	EPA 1633A	11/13/25 22:46
Surrogate: d-N-MeFOSA	99.3 %		10-130	EPA 1633A	11/13/25 22:46
Surrogate: d-N-EtFOSA	95.0 %		10-130	EPA 1633A	11/13/25 22:46
Surrogate: M3HFPO-DA	120 %		40-130	EPA 1633A	11/13/25 22:46
Surrogate: d9-N-EtFOSE	70.6 %		10-130	EPA 1633A	11/13/25 22:46
Surrogate: d7-N-MeFOSE	76.9 %		10-130	EPA 1633A	11/13/25 22:46

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-06</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-35	<b>Collection Date/Time:</b>	11/3/25 14:15

<b>Lab ID:</b>	<b>25K0086-06</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	2.49		1.76	1.95	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluorohexanoic acid (PFHxA)	3.71		0.549	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoroheptanoic acid (PFHpA)	1.92	J	0.769	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluorohexanesulfonic acid (PFHxS)	78.0		0.978	2.01	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluorooctanoic acid (PFOA)	14.0		1.10	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluorooctanesulfonic acid (PFOS)	78.2		0.835	2.04	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluorononanoic acid (PFNA)	ND		1.09	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluorodecanoic acid (PFDA)	ND		0.626	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.780	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluorododecanoic acid (PFDoA)	ND	PF-LCS-L	0.659	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluorotridecanoic acid (PFTTrDA)	ND		1.32	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-06</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-35	<b>Collection Date/Time:</b>	11/3/25 14:15

<b>Lab ID:</b>	<b>25K0086-06</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorotetradecanoic acid (PFTA)	ND		1.74	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
N-MeFOSAA	ND		0.549	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
N-EtFOSAA	ND	PF-LCS-L	5.49	5.49	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoropentanoic acid (PFPeA)	<b>1.92</b>	J	0.978	4.40	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.407	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	<b>0.351</b>	PF-LCS-L, J	0.341	2.10	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.681	2.12	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5.49	8.35	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.47	8.44	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoro-n-butanoic acid (PFBA)	<b>3.76</b>	J	1.79	8.79	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.549	3.91	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.30	4.40	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.769	4.40	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.54	4.40	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoro-1-pentanesulfonate (PFPeS)	<b>2.42</b>		0.824	2.07	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		3.10	8.24	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
HFPO-DA (Gen-X)	ND		5.49	8.79	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
11CL-PF3OUdS	ND		2.45	8.31	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
9CL-PF3ONS	ND	PF-LCS-L	3.02	8.22	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
ADONA	ND	PF-LCS-L	3.26	8.31	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.978	2.13	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.824	2.11	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.59	11.0	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		27.5	54.9	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		25.4	54.9	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
N-MeFOSE	ND		7.80	22.0	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-06</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-35	<b>Collection Date/Time:</b>	11/3/25 14:15

<b>Lab ID:</b>	<b>25K0086-06</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
N-MeFOSA	ND		2.20	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
N-EtFOSE	ND		8.00	22.0	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM
N-EtFOSA	ND		1.15	2.20	1	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:00	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	153 %	PFSu-H	40-135	EPA 1633A	11/13/25 23:00
Surrogate: M5PFHxA	130 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:00
Surrogate: M4PFHpA	136 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:00
Surrogate: M3PFHxS	138 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:00
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	131 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:00
Surrogate: M6PFDA	119 %		40-130	EPA 1633A	11/13/25 23:00
Surrogate: M7PFUdA	105 %		30-130	EPA 1633A	11/13/25 23:00
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	88.4 %		10-130	EPA 1633A	11/13/25 23:00
Surrogate: M2PFTeDA	67.1 %		10-130	EPA 1633A	11/13/25 23:00
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	112 %		5-130	EPA 1633A	11/13/25 23:00
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	125 %		40-130	EPA 1633A	11/13/25 23:00
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	136 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:00
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	117 %		40-130	EPA 1633A	11/13/25 23:00
Surrogate: d3-N-MeFOSAA	118 %		40-170	EPA 1633A	11/13/25 23:00
Surrogate: d5-N-EtFOSAA	102 %		25-135	EPA 1633A	11/13/25 23:00
Surrogate: M2-6:2 FTS	177 %		40-200	EPA 1633A	11/13/25 23:00
Surrogate: M2-8:2 FTS	155 %		40-300	EPA 1633A	11/13/25 23:00
Surrogate: M9PFNA	130 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:00
Surrogate: M2-4:2 FTS	200 %		40-200	EPA 1633A	11/13/25 23:00
Surrogate: d-N-MeFOSA	80.5 %		10-130	EPA 1633A	11/13/25 23:00
Surrogate: d-N-EtFOSA	62.3 %		10-130	EPA 1633A	11/13/25 23:00
Surrogate: M3HFPO-DA	126 %		40-130	EPA 1633A	11/13/25 23:00
Surrogate: d9-N-EtFOSE	78.6 %		10-130	EPA 1633A	11/13/25 23:00
Surrogate: d7-N-MeFOSE	82.9 %		10-130	EPA 1633A	11/13/25 23:00



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-40	<b>Collection Date/Time:</b>	11/3/25 14:55

<b>Lab ID:</b>	<b>25K0086-07</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
2,2-Dichloropropane	ND	CCVE	0.466	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Acrolein	ND	CAL-E, ICVE	0.447	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25K0086-07
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 11/04/2025
<b>Client Sample ID:</b> FMW-40	<b>Collection Date/Time:</b> 11/3/25 14:55

<b>Lab ID:</b> 25K0086-07	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Bromomethane	ND		0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Dichlorodifluoromethane	ND		0.451	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
* Iodomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-40	<b>Collection Date/Time:</b>	11/3/25 14:55

<b>Lab ID:</b>	<b>25K0086-07</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
n-Butylbenzene	ND	QL-02	0.399	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
* p-Ethyltoluene	ND		0.200	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Tetrachloroethylene	ND	QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:26	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %		69-130	EPA 8260D	11/7/25 08:26
Surrogate: SURRE: Toluene-d8	116 %		81-117	EPA 8260D	11/7/25 08:26
Surrogate: SURRE: p-Bromofluorobenzene	111 %		79-122	EPA 8260D	11/7/25 08:26



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-40	<b>Collection Date/Time:</b>	11/3/25 14:55

<b>Lab ID:</b>	<b>25K0086-07</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	14.4		1.61	1.78	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluorohexanoic acid (PFHxA)	95.4		0.504	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoroheptanoic acid (PFHpA)	66.3		0.706	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluorohexanesulfonic acid (PFHxS)	533		0.897	1.84	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluorooctanoic acid (PFOA)	63.9		1.01	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluorooctanesulfonic acid (PFOS)	940		1.53	3.75	2	ng/L	EPA 1633A	11/5/25 7:36	11/13/25 23:29	AM
Perfluorononanoic acid (PFNA)	96.7		0.998	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluorodecanoic acid (PFDA)	2.35		0.575	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoroundecanoic acid (PFUnA)	7.69		0.716	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluorododecanoic acid (PFDoA)	ND		0.605	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.21	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.59	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
N-MeFOSAA	ND		0.504	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
N-EtFOSAA	ND		5.04	5.04	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoropentanoic acid (PFPeA)	126		0.897	4.03	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.373	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	12.8		0.312	1.93	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.625	1.95	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	14.4		5.04	7.66	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.27	7.74	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoro-n-butanoic acid (PFBA)	59.2		1.64	8.06	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		0.504	3.59	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.02	4.03	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.706	4.03	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.41	4.03	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoro-1-pentanesulfonate (PFPeS)	20.0		0.756	1.90	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-40	<b>Collection Date/Time:</b>	11/3/25 14:55

<b>Lab ID:</b>	<b>25K0086-07</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.84	7.56	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
HFPO-DA (Gen-X)	ND		5.04	8.06	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
11CL-PF3OUdS	ND		2.25	7.62	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
9CL-PF3ONS	ND		2.77	7.54	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
ADONA	ND		2.99	7.62	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		0.897	1.96	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.756	1.94	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.38	10.1	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		25.2	50.4	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		23.3	50.4	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
N-MeFOSE	ND		7.16	20.2	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
N-MeFOSA	ND		2.02	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
N-EtFOSE	ND		7.34	20.2	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM
N-EtFOSA	ND		1.06	2.02	1	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:12	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	136 %	PFSu-H	40-135	EPA 1633A	11/14/25 00:12
Surrogate: M3PFBS	159 %	PFSu-H	40-135	EPA 1633A	11/13/25 23:29
Surrogate: M5PFHxA	127 %		40-130	EPA 1633A	11/14/25 00:12
Surrogate: M5PFHxA	140 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:29
Surrogate: M4PFHpA	129 %		40-130	EPA 1633A	11/14/25 00:12
Surrogate: M4PFHpA	144 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:29
Surrogate: M3PFHxS	119 %		40-130	EPA 1633A	11/14/25 00:12
Surrogate: M3PFHxS	147 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:29
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	140 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:29
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	127 %		40-130	EPA 1633A	11/14/25 00:12
Surrogate: M6PFDA	120 %		40-130	EPA 1633A	11/14/25 00:12
Surrogate: M6PFDA	133 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:29
Surrogate: M7PFUdA	106 %		30-130	EPA 1633A	11/14/25 00:12
Surrogate: M7PFUdA	116 %		30-130	EPA 1633A	11/13/25 23:29
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	87.7 %		10-130	EPA 1633A	11/13/25 23:29



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25K0086-07
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 11/04/2025
<b>Client Sample ID:</b> FMW-40	<b>Collection Date/Time:</b> 11/3/25 14:55

<b>Lab ID:</b> 25K0086-07	<b>Laboratory:</b> Queens
<b>Analysis:</b> PFAS Target compounds by LC/MS-MS	<b>Matrix:</b> Ground Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 1633 Prep	

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	87.2 %		10-130	EPA 1633A	11/14/25 00:12
Surrogate: M2PFTeDA	63.2 %		10-130	EPA 1633A	11/14/25 00:12
Surrogate: M2PFTeDA	71.7 %		10-130	EPA 1633A	11/13/25 23:29
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	128 %		5-130	EPA 1633A	11/13/25 23:29
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	103 %		5-130	EPA 1633A	11/14/25 00:12
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	133 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:29
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	122 %		40-130	EPA 1633A	11/14/25 00:12
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	143 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:29
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	128 %		40-130	EPA 1633A	11/14/25 00:12
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	136 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:29
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	127 %		40-130	EPA 1633A	11/14/25 00:12
Surrogate: d3-N-MeFOSAA	110 %		40-170	EPA 1633A	11/14/25 00:12
Surrogate: d3-N-MeFOSAA	117 %		40-170	EPA 1633A	11/13/25 23:29
Surrogate: d5-N-EtFOSAA	99.1 %		25-135	EPA 1633A	11/14/25 00:12
Surrogate: d5-N-EtFOSAA	118 %		25-135	EPA 1633A	11/13/25 23:29
Surrogate: M2-6:2 FTS	193 %		40-200	EPA 1633A	11/14/25 00:12
Surrogate: M2-6:2 FTS	207 %	PFSu-H	40-200	EPA 1633A	11/13/25 23:29
Surrogate: M2-8:2 FTS	138 %		40-300	EPA 1633A	11/14/25 00:12
Surrogate: M2-8:2 FTS	148 %		40-300	EPA 1633A	11/13/25 23:29
Surrogate: M9PFNA	121 %		40-130	EPA 1633A	11/14/25 00:12
Surrogate: M9PFNA	147 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:29
Surrogate: M2-4:2 FTS	181 %		40-200	EPA 1633A	11/14/25 00:12
Surrogate: M2-4:2 FTS	209 %	PFSu-H	40-200	EPA 1633A	11/13/25 23:29
Surrogate: d-N-MeFOSA	95.3 %		10-130	EPA 1633A	11/14/25 00:12
Surrogate: d-N-MeFOSA	107 %		10-130	EPA 1633A	11/13/25 23:29
Surrogate: d-N-EtFOSA	81.4 %		10-130	EPA 1633A	11/14/25 00:12
Surrogate: d-N-EtFOSA	80.1 %		10-130	EPA 1633A	11/13/25 23:29
Surrogate: M3HFPO-DA	127 %		40-130	EPA 1633A	11/14/25 00:12
Surrogate: M3HFPO-DA	141 %	PFSu-H	40-130	EPA 1633A	11/13/25 23:29
Surrogate: d9-N-EtFOSE	77.8 %		10-130	EPA 1633A	11/14/25 00:12
Surrogate: d9-N-EtFOSE	81.2 %		10-130	EPA 1633A	11/13/25 23:29
Surrogate: d7-N-MeFOSE	87.7 %		10-130	EPA 1633A	11/14/25 00:12
Surrogate: d7-N-MeFOSE	88.2 %		10-130	EPA 1633A	11/13/25 23:29



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-07</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-40	<b>Collection Date/Time:</b>	11/3/25 14:55

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-31	<b>Collection Date/Time:</b>	11/3/25 15:30

<b>Lab ID:</b>	<b>25K0086-08</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
* 1,2,4,5-Tetramethylbenzene	<b>1.66</b>		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,2,4-Trimethylbenzene	<b>41.9</b>		0.310	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,3,5-Trimethylbenzene	<b>1.91</b>		0.347	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
2,2-Dichloropropane	ND	CCVE	0.466	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-31	<b>Collection Date/Time:</b>	11/3/25 15:30

<b>Lab ID:</b>	<b>25K0086-08</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Acrolein	ND	CAL-E, ICVE	0.447	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Bromomethane	ND		0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
cis-1,2-Dichloroethylene	<b>2.02</b>		0.294	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Dichlorodifluoromethane	ND		0.451	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Ethyl Benzene	<b>1.31</b>		0.290	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
* Iodomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Isopropylbenzene	<b>3.86</b>		0.405	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-31	<b>Collection Date/Time:</b>	11/3/25 15:30

<b>Lab ID:</b>	<b>25K0086-08</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Naphthalene	<b>11.3</b>	ICVE, B	0.212	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
n-Butylbenzene	ND	QL-02	0.399	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
n-Propylbenzene	<b>3.64</b>		0.384	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
o-Xylene	<b>0.560</b>		0.261	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
p- & m- Xylenes	<b>1.27</b>		0.578	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
* p-Diethylbenzene	<b>1.64</b>		0.341	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
* p-Ethyltoluene	<b>18.4</b>		0.200	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
p-Isopropyltoluene	<b>0.510</b>		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
sec-Butylbenzene	<b>0.820</b>		0.444	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
tert-Butylbenzene	<b>1.13</b>		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Tetrachloroethylene	ND	QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Vinyl Chloride	<b>0.630</b>		0.469	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB
Xylenes, Total	<b>1.83</b>		0.839	1.50	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 08:54	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURR: 1,2-Dichloroethane-d4	105 %		69-130	EPA 8260D	11/7/25 08:54



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-31	<b>Collection Date/Time:</b>	11/3/25 15:30

<b>Lab ID:</b>	<b>25K0086-08</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: Toluene-d8	116 %		81-117	EPA 8260D	11/7/25 08:54
Surrogate: SURRE: p-Bromofluorobenzene	105 %		79-122	EPA 8260D	11/7/25 08:54

<b>Lab ID:</b>	<b>25K0086-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	54.4		8.19	18.6	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluorohexanoic acid (PFHxA)	156		3.78	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoroheptanoic acid (PFHpA)	59.9		7.35	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluorohexanesulfonic acid (PFHxS)	830		17.8	36.6	2	ng/L	EPA 1633A	11/16/25 11:20	11/21/25 04:17	AM
Perfluorooctanoic acid (PFOA)	116		8.30	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluorooctanesulfonic acid (PFOS)	6110		15.2	37.2	2	ng/L	EPA 1633A	11/16/25 11:20	11/21/25 04:17	AM
Perfluorononanoic acid (PFNA)	94.4		10.4	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluorodecanoic acid (PFDA)	ND		5.99	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoroundecanoic acid (PFUnA)	ND		7.46	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluorododecanoic acid (PFDoA)	ND		6.30	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluorotridecanoic acid (PFTrDA)	ND		12.6	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluorotetradecanoic acid (PFTA)	ND		16.6	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
N-MeFOSAA	ND		5.25	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
N-EtFOSAA	ND		11.0	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoropentanoic acid (PFPeA)	170		9.35	42.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		3.89	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	210		3.26	20.1	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		6.51	20.3	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	108		24.4	79.8	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		23.6	80.7	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoro-n-butanoic acid (PFBA)	52.3	J	17.1	84.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-31	<b>Collection Date/Time:</b>	11/3/25 15:30

<b>Lab ID:</b>	<b>25K0086-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		5.25	37.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		31.5	42.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		7.35	42.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		14.7	42.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoro-1-pentanesulfonate (PFPeS)	<b>87.4</b>		7.88	19.7	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		29.6	78.8	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
HFPO-DA (Gen-X)	ND		33.0	84.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
11CL-PF3OUdS	ND		23.4	79.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
9CL-PF3ONS	ND		28.9	78.6	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
ADONA	ND		31.2	79.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluorododecanesulfonic acid (PFDoS)	ND		9.35	20.4	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		7.88	20.2	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		24.8	105	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		70.7	525	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		242	525	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
N-MeFOSE	ND		74.6	210	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
N-MeFOSA	ND		7.46	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
N-EtFOSE	ND		76.5	210	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM
N-EtFOSA	ND		11.0	21.0	10	ng/L	EPA 1633A	11/5/25 7:36	11/14/25 00:27	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	138 %	PFSu-H	40-135	EPA 1633A	11/21/25 04:17
Surrogate: M3PFBS	138 %	PFSu-H	40-135	EPA 1633A	11/14/25 00:27
Surrogate: M5PFHxA	127 %		40-130	EPA 1633A	11/21/25 04:17
Surrogate: M5PFHxA	138 %	PFSu-H	40-130	EPA 1633A	11/14/25 00:27
Surrogate: M4PFHpA	122 %		40-130	EPA 1633A	11/21/25 04:17
Surrogate: M4PFHpA	141 %	PFSu-H	40-130	EPA 1633A	11/14/25 00:27
Surrogate: M3PFHxS	129 %		40-130	EPA 1633A	11/21/25 04:17
Surrogate: M3PFHxS	131 %	PFSu-H	40-130	EPA 1633A	11/14/25 00:27
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	127 %		40-130	EPA 1633A	11/21/25 04:17



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-31	<b>Collection Date/Time:</b>	11/3/25 15:30

<b>Lab ID:</b>	<b>25K0086-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	136 %	PFSu-H	40-130	EPA 1633A	11/14/25 00:27
Surrogate: M6PFDA	125 %		40-130	EPA 1633A	11/21/25 04:17
Surrogate: M6PFDA	124 %		40-130	EPA 1633A	11/14/25 00:27
Surrogate: M7PFUdA	134 %	PFSu-H	30-130	EPA 1633A	11/21/25 04:17
Surrogate: M7PFUdA	109 %		30-130	EPA 1633A	11/14/25 00:27
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	106 %		10-130	EPA 1633A	11/21/25 04:17
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	80.0 %		10-130	EPA 1633A	11/14/25 00:27
Surrogate: M2PFTeDA	108 %		10-130	EPA 1633A	11/21/25 04:17
Surrogate: M2PFTeDA	58.2 %		10-130	EPA 1633A	11/14/25 00:27
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	120 %		5-130	EPA 1633A	11/21/25 04:17
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	120 %		5-130	EPA 1633A	11/14/25 00:27
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	124 %		40-130	EPA 1633A	11/21/25 04:17
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	116 %		40-130	EPA 1633A	11/14/25 00:27
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	133 %	PFSu-H	40-130	EPA 1633A	11/21/25 04:17
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	138 %	PFSu-H	40-130	EPA 1633A	11/14/25 00:27
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	120 %		40-130	EPA 1633A	11/21/25 04:17
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	107 %		40-130	EPA 1633A	11/14/25 00:27
Surrogate: d3-N-MeFOSAA	123 %		40-170	EPA 1633A	11/21/25 04:17
Surrogate: d3-N-MeFOSAA	110 %		40-170	EPA 1633A	11/14/25 00:27
Surrogate: d5-N-EtFOSAA	129 %		25-135	EPA 1633A	11/21/25 04:17
Surrogate: d5-N-EtFOSAA	104 %		25-135	EPA 1633A	11/14/25 00:27
Surrogate: M2-6:2 FTS	145 %		40-200	EPA 1633A	11/21/25 04:17
Surrogate: M2-6:2 FTS	172 %		40-200	EPA 1633A	11/14/25 00:27
Surrogate: M2-8:2 FTS	124 %		40-300	EPA 1633A	11/21/25 04:17
Surrogate: M2-8:2 FTS	154 %		40-300	EPA 1633A	11/14/25 00:27
Surrogate: M9PFNA	120 %		40-130	EPA 1633A	11/21/25 04:17
Surrogate: M9PFNA	133 %	PFSu-H	40-130	EPA 1633A	11/14/25 00:27
Surrogate: M2-4:2 FTS	159 %		40-200	EPA 1633A	11/21/25 04:17
Surrogate: M2-4:2 FTS	202 %	PFSu-H	40-200	EPA 1633A	11/14/25 00:27
Surrogate: d-N-MeFOSA	112 %		10-130	EPA 1633A	11/21/25 04:17
Surrogate: d-N-MeFOSA	61.1 %		10-130	EPA 1633A	11/14/25 00:27
Surrogate: d-N-EtFOSA	113 %		10-130	EPA 1633A	11/21/25 04:17



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-08</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	FMW-31	<b>Collection Date/Time:</b>	11/3/25 15:30

<b>Lab ID:</b>	<b>25K0086-08</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: d-N-EtFOSA	32.0 %		10-130	EPA 1633A	11/14/25 00:27
Surrogate: M3HFPO-DA	129 %		40-130	EPA 1633A	11/21/25 04:17
Surrogate: M3HFPO-DA	136 %	PFSu-H	40-130	EPA 1633A	11/14/25 00:27
Surrogate: d9-N-EtFOSE	117 %		10-130	EPA 1633A	11/21/25 04:17
Surrogate: d9-N-EtFOSE	63.9 %		10-130	EPA 1633A	11/14/25 00:27
Surrogate: d7-N-MeFOSE	114 %		10-130	EPA 1633A	11/21/25 04:17
Surrogate: d7-N-MeFOSE	65.2 %		10-130	EPA 1633A	11/14/25 00:27

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	11/3/25 15:50

<b>Lab ID:</b>	<b>25K0086-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	11/3/25 15:50

<b>Lab ID:</b>	<b>25K0086-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
2,2-Dichloropropane	ND	CCVE	0.466	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Acrolein	ND	CAL-E, ICVE	0.447	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Bromomethane	ND		0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Chloroform	<b>14.0</b>		0.243	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	11/3/25 15:50

<b>Lab ID:</b>	<b>25K0086-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Dichlorodifluoromethane	ND		0.451	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
* Iodomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
n-Butylbenzene	ND	QL-02	0.399	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
* p-Ethyltoluene	ND		0.200	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Tetrachloroethylene	ND	QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	11/3/25 15:50

<b>Lab ID:</b>	<b>25K0086-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 05:06	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	109 %		69-130	EPA 8260D	11/7/25 05:06
Surrogate: SURRE: Toluene-d8	113 %		81-117	EPA 8260D	11/7/25 05:06
Surrogate: SURRE: p-Bromofluorobenzene	105 %		79-122	EPA 8260D	11/7/25 05:06

<b>Lab ID:</b>	<b>25K0086-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Semivolatile Organic Compounds by GC/MS/SIM</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 3535A		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,4-Dioxane	ND		0.200	0.300	1	ug/L	EPA 8270E SIM	11/7/25 9:44	11/11/25 17:38	ak

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: 1,4-Dioxane-d8	116 %		36.6-118	EPA 8270E SIM	11/11/25 17:38

<b>Lab ID:</b>	<b>25K0086-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND		1.62	1.80	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluorohexanoic acid (PFHxA)	ND		0.507	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoroheptanoic acid (PFHpA)	ND		0.710	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluorohexanesulfonic acid (PFHxS)	ND		0.903	1.86	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluorooctanoic acid (PFOA)	ND		1.01	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	11/3/25 15:50

<b>Lab ID:</b>	<b>25K0086-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorooctanesulfonic acid (PFOS)	ND		0.771	1.89	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluorononanoic acid (PFNA)	ND		1.00	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluorodecanoic acid (PFDA)	ND		0.578	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoroundecanoic acid (PFUnA)	ND		0.720	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluorododecanoic acid (PFDoA)	ND		0.609	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluorotridecanoic acid (PFTrDA)	ND		1.22	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluorotetradecanoic acid (PFTA)	ND		1.60	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
N-MeFOSAA	ND		0.507	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
N-EtFOSAA	ND		5.07	5.07	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoropentanoic acid (PFPeA)	ND		0.903	4.06	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoro-1-octanesulfonamide (FOSA)	ND		0.375	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		0.314	1.94	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoro-1-decanesulfonic acid (PFDS)	ND		0.629	1.96	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		5.07	7.71	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		2.28	7.79	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoro-n-butanoic acid (PFBA)	ND		1.65	8.11	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		0.507	3.61	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		3.04	4.06	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoro-4-oxapentanoic acid (PFMPA)	ND		0.710	4.06	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoro-5-oxahexanoic acid (PFMBA)	ND		1.42	4.06	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoro-1-pentanesulfonate (PFPeS)	ND		0.761	1.91	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		2.86	7.61	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
HFPO-DA (Gen-X)	ND		5.07	8.11	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
11CL-PF3OUdS	ND		2.26	7.67	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
9CL-PF3ONS	ND		2.79	7.59	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
ADONA	ND		3.01	7.67	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	11/3/25 15:50

<b>Lab ID:</b>	<b>25K0086-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Perfluorododecanesulfonic acid (PFDoS)	ND		0.903	1.97	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
Perfluoro-1-nonanesulfonic acid (PFNS)	ND		0.761	1.95	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		2.39	10.1	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		25.4	50.7	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		23.4	50.7	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
N-MeFOSE	ND		7.20	20.3	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
N-MeFOSA	ND		2.03	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
N-EtFOSE	ND		7.38	20.3	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM
N-EtFOSA	ND		1.06	2.03	1	ng/L	EPA 1633A	11/6/25 11:46	11/8/25 06:18	AM

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3PFBS	92.4 %		40-135	EPA 1633A	11/8/25 06:18
Surrogate: M5PFHxA	82.9 %		40-130	EPA 1633A	11/8/25 06:18
Surrogate: M4PFHpA	78.5 %		40-130	EPA 1633A	11/8/25 06:18
Surrogate: M3PFHxS	85.9 %		40-130	EPA 1633A	11/8/25 06:18
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	74.5 %		40-130	EPA 1633A	11/8/25 06:18
Surrogate: M6PFDA	79.2 %		40-130	EPA 1633A	11/8/25 06:18
Surrogate: M7PFUdA	77.3 %		30-130	EPA 1633A	11/8/25 06:18
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	73.3 %		10-130	EPA 1633A	11/8/25 06:18
Surrogate: M2PFTeDA	72.8 %		10-130	EPA 1633A	11/8/25 06:18
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	88.5 %		5-130	EPA 1633A	11/8/25 06:18
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	87.4 %		40-130	EPA 1633A	11/8/25 06:18
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	82.5 %		40-130	EPA 1633A	11/8/25 06:18
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	88.7 %		40-130	EPA 1633A	11/8/25 06:18
Surrogate: d3-N-MeFOSAA	77.0 %		40-170	EPA 1633A	11/8/25 06:18
Surrogate: d5-N-EtFOSAA	70.9 %		25-135	EPA 1633A	11/8/25 06:18
Surrogate: M2-6:2 FTS	105 %		40-200	EPA 1633A	11/8/25 06:18
Surrogate: M2-8:2 FTS	96.5 %		40-300	EPA 1633A	11/8/25 06:18
Surrogate: M9PFNA	87.1 %		40-130	EPA 1633A	11/8/25 06:18
Surrogate: M2-4:2 FTS	102 %		40-200	EPA 1633A	11/8/25 06:18
Surrogate: d-N-MeFOSA	81.8 %		10-130	EPA 1633A	11/8/25 06:18
Surrogate: d-N-EtFOSA	76.3 %		10-130	EPA 1633A	11/8/25 06:18



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-09</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	Field Blank	<b>Collection Date/Time:</b>	11/3/25 15:50

<b>Lab ID:</b>	<b>25K0086-09</b>	<b>Laboratory:</b>	Queens
<b>Analysis:</b>	<b>PFAS Target compounds by LC/MS-MS</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 1633 Prep		

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: M3HFPO-DA	88.4 %		40-130	EPA 1633A	11/8/25 06:18
Surrogate: d9-N-EtFOSE	80.7 %		10-130	EPA 1633A	11/8/25 06:18
Surrogate: d7-N-MeFOSE	86.8 %		10-130	EPA 1633A	11/8/25 06:18

<b>Lab ID:</b>	<b>25K0086-09</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Gas Chromatography/Flame Ionization Detector</b>	<b>Matrix:</b>	Ground Water
<b>Prep Method:</b>	Sample Prepared by Method: Preparation for GC Analysis		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
* Ethylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	11/8/25 8:13	11/8/25 09:48	GXB
* Propylene Glycol	ND		10.0	10.0	1	mg/L	GC/FID	11/8/25 8:13	11/8/25 09:48	GXB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: 1,4-Butanediol			30-130	GC/FID	11/8/25 09:48

<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	Trip Blank	<b>Collection Date/Time:</b>	11/3/25 15:00

<b>Lab ID:</b>	<b>25K0086-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,1,1,2-Tetrachloroethane	ND		0.216	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,1,1-Trichloroethane	ND		0.266	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,1,2,2-Tetrachloroethane	ND		0.256	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		0.286	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,1,2-Trichloroethane	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,1-Dichloroethane	ND		0.272	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,1-Dichloroethylene	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,1-Dichloropropylene	ND		0.314	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,2,3-Trichlorobenzene	ND		0.222	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	Trip Blank	<b>Collection Date/Time:</b>	11/3/25 15:00

<b>Lab ID:</b>	<b>25K0086-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
1,2,3-Trichloropropane	ND		0.273	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
* 1,2,4,5-Tetramethylbenzene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,2,4-Trichlorobenzene	ND		0.138	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,2,4-Trimethylbenzene	ND		0.310	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,2-Dibromo-3-chloropropane	ND		0.432	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,2-Dibromoethane	ND		0.215	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,2-Dichlorobenzene	ND		0.270	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,2-Dichloroethane	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,2-Dichloropropane	ND		0.327	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,3,5-Trimethylbenzene	ND		0.347	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,3-Dichlorobenzene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,3-Dichloropropane	ND		0.260	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
1,4-Dichlorobenzene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
2,2-Dichloropropane	ND	CCVE	0.466	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
2-Butanone	ND		0.421	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
2-Chlorotoluene	ND		0.376	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
2-Hexanone	ND		0.320	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
4-Chlorotoluene	ND		0.311	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
4-Methyl-2-pentanone	ND		0.365	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Acetone	ND		1.34	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Acrolein	ND	CAL-E, ICVE	0.447	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Acrylonitrile	ND		0.422	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Benzene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Bromobenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Bromochloromethane	ND		0.354	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Bromodichloromethane	ND		0.245	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Bromoform	ND		0.163	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Bromomethane	ND		0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Carbon disulfide	ND		0.362	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Carbon tetrachloride	ND		0.204	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Chlorobenzene	ND		0.284	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB



<b>Client:</b>	WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b>	<b>25K0086-10</b>
<b>Client Project:</b>	Westchester County Airport (WCA)	<b>Date Received:</b>	11/04/2025
<b>Client Sample ID:</b>	Trip Blank	<b>Collection Date/Time:</b>	11/3/25 15:00

<b>Lab ID:</b>	<b>25K0086-10</b>	<b>Laboratory:</b>	Stratford
<b>Analysis:</b>	<b>Volatile Organic Compounds by GC/MS</b>	<b>Matrix:</b>	Water
<b>Prep Method:</b>	Sample Prepared by Method: EPA 5030B		

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
Chloroethane	ND		0.448	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Chloroform	ND		0.243	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Chloromethane	ND		0.372	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
cis-1,2-Dichloroethylene	ND		0.294	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
cis-1,3-Dichloropropylene	ND		0.262	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Cyclohexane	ND		0.491	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Dibromochloromethane	ND		0.146	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Dibromomethane	ND		0.203	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Dichlorodifluoromethane	ND		0.451	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Diisopropyl ether (DIPE)	ND		0.466	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Ethyl Benzene	ND		0.290	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Ethyl tert-butyl ether (ETBE)	ND		0.479	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Hexachlorobutadiene	ND		0.241	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
* Iodomethane	ND	CCVE	0.500	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Isopropylbenzene	ND		0.405	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Methyl acetate	ND		0.442	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Methyl Methacrylate	ND		0.415	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Methyl tert-butyl ether (MTBE)	ND		0.244	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Methylcyclohexane	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Methylene chloride	ND		0.397	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Naphthalene	ND		0.212	2.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
n-Butylbenzene	ND	QL-02	0.399	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
n-Propylbenzene	ND		0.384	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
o-Xylene	ND		0.261	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
p- & m- Xylenes	ND		0.578	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
* p-Diethylbenzene	ND		0.341	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
* p-Ethyltoluene	ND		0.200	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
p-Isopropyltoluene	ND		0.377	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
sec-Butylbenzene	ND		0.444	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Styrene	ND		0.255	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
tert-Amyl alcohol (TAA)	ND		4.16	8.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB



<b>Client:</b> WSP USA, Inc. (White Plains, NY)	<b>York Sample ID:</b> 25K0086-10
<b>Client Project:</b> Westchester County Airport (WCA)	<b>Date Received:</b> 11/04/2025
<b>Client Sample ID:</b> Trip Blank	<b>Collection Date/Time:</b> 11/3/25 15:00

<b>Lab ID:</b> 25K0086-10	<b>Laboratory:</b> Stratford
<b>Analysis:</b> Volatile Organic Compounds by GC/MS	<b>Matrix:</b> Water
<b>Prep Method:</b> Sample Prepared by Method: EPA 5030B	

Parameter	Result	Flag	MDL	RL	Dilution	Units	Reference Method	Extracted	Analyzed	Analyst
tert-Amyl methyl ether (TAME)	ND		0.511	0.800	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
tert-Butyl alcohol (TBA)	ND		0.608	1.00	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
tert-Butylbenzene	ND		0.367	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Tetrachloroethylene	ND	QL-02	0.239	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
* Tetrahydrofuran	ND		0.485	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Toluene	ND		0.346	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
trans-1,2-Dichloroethylene	ND		0.279	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
trans-1,3-Dichloropropylene	ND		0.229	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
trans-1,4-dichloro-2-butene	ND		0.283	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Trichloroethylene	ND		0.249	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Trichlorofluoromethane	ND		0.337	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Vinyl acetate	ND		0.477	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Vinyl Chloride	ND		0.469	0.500	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB
Xylenes, Total	ND		0.839	1.50	1	ug/L	EPA 8260D	11/6/25 16:43	11/7/25 04:37	PMB

Surrogate Recoveries	Result	Flag	Acceptance Range	Reference	Analyzed
Surrogate: SURRE: 1,2-Dichloroethane-d4	109 %		69-130	EPA 8260D	11/7/25 04:37
Surrogate: SURRE: Toluene-d8	113 %		81-117	EPA 8260D	11/7/25 04:37
Surrogate: SURRE: p-Bromofluorobenzene	104 %		79-122	EPA 8260D	11/7/25 04:37



## Certified Analyses included in this Report

Analyte	CAS #	Certifications
<b>EPA 1633A in Water</b>		
11CL-PF3OUdS	763051-92-9	NYSDOH-NY12058
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	NYSDOH-NY12058
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	NYSDOH-NY12058
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	27619-97-2	NYSDOH-NY12058
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	812-70-4	NYSDOH-NY12058
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	914637-49-3	NYSDOH-NY12058
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	356-02-5	NYSDOH-NY12058
9CL-PF3ONS	756426-58-1	NYSDOH-NY12058
ADONA	919005-14-4	NYSDOH-NY12058
HFPO-DA (Gen-X)	13252-13-6	NYSDOH-NY12058
N-EtFOSA	4151-50-2	NYSDOH-NY12058
N-EtFOSAA	2991-50-6	NYSDOH-NY12058
N-EtFOSE	1691-99-2	NYSDOH-NY12058
N-MeFOSA	31506-32-8	NYSDOH-NY12058
N-MeFOSAA	2355-31-9	NYSDOH-NY12058
N-MeFOSE	24448-09-7	NYSDOH-NY12058
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	NYSDOH-NY12058
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	NYSDOH-NY12058
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	NYSDOH-NY12058
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	NYSDOH-NY12058
Perfluoro-1-octanesulfonamide (FOSA)	754-91-6	NYSDOH-NY12058
Perfluoro-1-pentanesulfonate (PFPeS)	2706-91-4	NYSDOH-NY12058
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	NYSDOH-NY12058
Perfluoro-4-oxapentanoic acid (PFMPA)	377-73-1	NYSDOH-NY12058
Perfluoro-5-oxahexanoic acid (PFMBA)	863090-89-5	NYSDOH-NY12058
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NYSDOH-NY12058
Perfluorodecanoic acid (PFDA)	335-76-2	NYSDOH-NY12058
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	NYSDOH-NY12058
Perfluorododecanoic acid (PFDoA)	307-55-1	NYSDOH-NY12058
Perfluoroheptanoic acid (PFHpA)	375-85-9	NYSDOH-NY12058
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NYSDOH-NY12058
Perfluorohexanoic acid (PFHxA)	307-24-4	NYSDOH-NY12058
Perfluoro-n-butanoic acid (PFBA)	375-22-4	NYSDOH-NY12058
Perfluorononanoic acid (PFNA)	375-95-1	NYSDOH-NY12058
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NYSDOH-NY12058
Perfluorooctanoic acid (PFOA)	335-67-1	NYSDOH-NY12058
Perfluoropentanoic acid (PFPeA)	2706-90-3	NYSDOH-NY12058
Perfluorotetradecanoic acid (PFTA)	376-06-7	NYSDOH-NY12058
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	NYSDOH-NY12058
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NYSDOH-NY12058
<b>EPA 8260D in Water</b>		
1,1,1,2-Tetrachloroethane	630-20-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1,1-Trichloroethane	71-55-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1,2,2-Tetrachloroethane	79-34-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440



**Certified Analyses included in this Report**  
(Continued)

Analyte	CAS #	Certifications
<b>EPA 8260D in Water (Continued)</b>		
1,1,2-Trichloroethane	79-00-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1-Dichloroethane	75-34-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1-Dichloroethylene	75-35-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,1-Dichloropropylene	563-58-6	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
1,2,3-Trichlorobenzene	87-61-6	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,2,3-Trichloropropane	96-18-4	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,2,4-Trichlorobenzene	120-82-1	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,2,4-Trimethylbenzene	95-63-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dibromo-3-chloropropane	96-12-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dibromoethane	106-93-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dichlorobenzene	95-50-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dichloroethane	107-06-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,2-Dichloropropane	78-87-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,3,5-Trimethylbenzene	108-67-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,3-Dichlorobenzene	541-73-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
1,3-Dichloropropane	142-28-9	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
1,4-Dichlorobenzene	106-46-7	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
2,2-Dichloropropane	594-20-7	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
2-Butanone	78-93-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
2-Chlorotoluene	95-49-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
2-Hexanone	591-78-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
4-Chlorotoluene	106-43-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
4-Methyl-2-pentanone	108-10-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Acetone	67-64-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Acrolein	107-02-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Acrylonitrile	107-13-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Benzene	71-43-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Bromobenzene	108-86-1	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Bromochloromethane	74-97-5	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Bromodichloromethane	75-27-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Bromoform	75-25-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440



**Certified Analyses included in this Report**  
(Continued)

Analyte	CAS #	Certifications
<b>EPA 8260D in Water (Continued)</b>		
Bromomethane	74-83-9	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Carbon disulfide	75-15-0	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Carbon tetrachloride	56-23-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chlorobenzene	108-90-7	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chloroethane	75-00-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chloroform	67-66-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Chloromethane	74-87-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
cis-1,2-Dichloroethylene	156-59-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
cis-1,3-Dichloropropylene	10061-01-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Cyclohexane	110-82-7	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Dibromochloromethane	124-48-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Dibromomethane	74-95-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Dichlorodifluoromethane	75-71-8	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Diisopropyl ether (DIPE)	108-20-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Ethyl Benzene	100-41-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Ethyl tert-butyl ether (ETBE)	637-92-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
Hexachlorobutadiene	87-68-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Isopropylbenzene	98-82-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Methyl acetate	79-20-9	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Methyl Methacrylate	80-62-6	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
Methyl tert-butyl ether (MTBE)	1634-04-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Methylcyclohexane	108-87-2	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Methylene chloride	75-09-2	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Naphthalene	91-20-3	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
n-Butylbenzene	104-51-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
n-Propylbenzene	103-65-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
o-Xylene	95-47-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP-68-04440
p- & m- Xylenes	179601-23-1	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP-68-04440
p-Isopropyltoluene	99-87-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
sec-Butylbenzene	135-98-8	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Styrene	100-42-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
tert-Amyl alcohol (TAA)	75-85-4	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
tert-Amyl methyl ether (TAME)	994-05-8	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
tert-Butyl alcohol (TBA)	75-65-0	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440



**Certified Analyses included in this Report**  
(Continued)

Analyte	CAS #	Certifications
<b><i>EPA 8260D in Water (Continued)</i></b>		
tert-Butylbenzene	98-06-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Tetrachloroethylene	127-18-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Toluene	108-88-3	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
trans-1,2-Dichloroethylene	156-60-5	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
trans-1,3-Dichloropropylene	10061-02-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
trans-1,4-dichloro-2-butene	110-57-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Trichloroethylene	79-01-6	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Trichlorofluoromethane	75-69-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Vinyl acetate	108-05-4	NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-68-04440
Vinyl Chloride	75-01-4	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADE P-68-04440
Xylenes, Total	1330-20-7	CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005
<b><i>EPA 8270E SIM in Water</i></b>		
1,4-Dioxane	123-91-1	NJDEP-CT005,NYSDOH-NY10854



### List of Certifications

Code	Description	Number	Expires
CTDPH-PH-0840	CTDPH - Stratford	PH-0840	06/30/2027
NJDEP-CT005	NJDEP Certification - Stratford	CT005	06/30/2026
NYSDOH-NY12058	NYSDOH NELAC/ELAP Program - Queens	NY ELAP-12058	04/01/2026
NYSDOH-NY10854	NYSDOH NELAC/ELAP Program - Stratford	NY ELAP-10854	04/01/2026
PADEP-68-04440	PADEP Registration - Stratford	68-04440	09/30/2026



## Analytical Batch Summary

<b>Batch ID:</b> BK50345		<b>Preparation Method:</b> EPA 1633 Prep		<b>Prepared By:</b> MG	
YORK Sample ID	Client Sample ID	Preparation Date			
25K0086-09	Field Blank	11/06/25			
BK50345-BLK1	Blank	11/06/25			
BK50345-BS1	LCS	11/06/25			
BK50345-BS2	LCS	11/06/25			

<b>Batch ID:</b> BK50375		<b>Preparation Method:</b> EPA 5030B		<b>Prepared By:</b> PMB	
YORK Sample ID	Client Sample ID	Preparation Date			
25K0086-02	XDDMW-10	11/06/25			
25K0086-03	MW-59D	11/06/25			
25K0086-07	FMW-40	11/06/25			
25K0086-08	FMW-31	11/06/25			
25K0086-09	Field Blank	11/06/25			
25K0086-10	Trip Blank	11/06/25			
BK50375-BLK1	Blank	11/06/25			
BK50375-BS1	LCS	11/06/25			
BK50375-BSD1	LCS Dup	11/06/25			

<b>Batch ID:</b> BK50420		<b>Preparation Method:</b> EPA 3535A		<b>Prepared By:</b> NMB2	
YORK Sample ID	Client Sample ID	Preparation Date			
25K0086-01	XDDMW-11	11/07/25			
25K0086-09	Field Blank	11/07/25			
BK50420-BLK1	Blank	11/07/25			
BK50420-BS1	LCS	11/07/25			
BK50420-MS1	Matrix Spike	11/07/25			
BK50420-MSD1	Matrix Spike Dup	11/07/25			

<b>Batch ID:</b> BK50471		<b>Preparation Method:</b> Preparation for GC Analysis		<b>Prepared By:</b> GXB	
YORK Sample ID	Client Sample ID	Preparation Date			
25K0086-01	XDDMW-11	11/08/25			
25K0086-09	Field Blank	11/08/25			
BK50471-BLK1	Blank	11/08/25			
BK50471-DUP1	Duplicate	11/08/25			



Batch ID: BK50609		Preparation Method: EPA 1633 Prep	Prepared By: NJO
YORK Sample ID	Client Sample ID	Preparation Date	
25K0086-01	XDDMW-11	11/05/25	
25K0086-03	MW-59D	11/05/25	
25K0086-04	MW-58D	11/05/25	
25K0086-05	MW-56D	11/05/25	
25K0086-06	FMW-35	11/05/25	
25K0086-07	FMW-40	11/05/25	
25K0086-07RE1	FMW-40	11/05/25	
25K0086-08	FMW-31	11/05/25	
BK50609-BLK1	Blank	11/11/25	
BK50609-BS1	LCS	11/11/25	
BK50609-BS2	LCS	11/11/25	
BK50609-DUP1	Duplicate	11/11/25	

Batch ID: BK50978		Preparation Method: EPA 1633 Prep	Prepared By: MPR
YORK Sample ID	Client Sample ID	Preparation Date	
25K0086-08RE1	FMW-31	11/16/25	
BK50978-BLK1	Blank	11/16/25	
BK50978-BS1	LCS	11/16/25	
BK50978-BS2	LCS	11/16/25	



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50375 - EPA 5030B</b>											
<b>Blank (BK50375-BLK1)</b>											
Prepared: 11/06/2025 Analyzed: 11/07/2025											
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	ug/L								
1,1,2,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	ug/L								
1,1,2-Trichloroethane	ND	0.500	ug/L								
1,1-Dichloroethane	ND	0.500	ug/L								
1,1-Dichloroethylene	ND	0.500	ug/L								
1,1-Dichloropropylene	ND	0.500	ug/L								
1,2,3-Trichlorobenzene	ND	0.500	ug/L								
1,2,3-Trichloropropane	ND	0.500	ug/L								
1,2,4,5-Tetramethylbenzene	ND	0.500	ug/L								
1,2,4-Trichlorobenzene	0.190	0.500	ug/L								
1,2,4-Trimethylbenzene	ND	0.500	ug/L								
1,2-Dibromo-3-chloropropane	ND	0.500	ug/L								
1,2-Dibromoethane	ND	0.500	ug/L								
1,2-Dichlorobenzene	ND	0.500	ug/L								
1,2-Dichloroethane	ND	0.500	ug/L								
1,2-Dichloropropane	ND	0.500	ug/L								
1,3,5-Trimethylbenzene	ND	0.500	ug/L								
1,3-Dichlorobenzene	ND	0.500	ug/L								
1,3-Dichloropropane	ND	0.500	ug/L								
1,4-Dichlorobenzene	ND	0.500	ug/L								
2,2-Dichloropropane	ND	0.500	ug/L								
2-Butanone	ND	0.500	ug/L								
2-Chlorotoluene	ND	0.500	ug/L								
2-Hexanone	ND	0.500	ug/L								
4-Chlorotoluene	ND	0.500	ug/L								
4-Methyl-2-pentanone	ND	0.500	ug/L								
Acetone	ND	2.00	ug/L								
Acrolein	ND	0.500	ug/L								
Acrylonitrile	ND	0.500	ug/L								
Benzene	ND	0.500	ug/L								
Bromobenzene	ND	0.500	ug/L								
Bromochloromethane	ND	0.500	ug/L								
Bromodichloromethane	ND	0.500	ug/L								
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	2.00	ug/L								
Carbon disulfide	ND	0.500	ug/L								
Carbon tetrachloride	ND	0.500	ug/L								
Chlorobenzene	ND	0.500	ug/L								
Chloroethane	ND	0.500	ug/L								
Chloroform	ND	0.500	ug/L								
Chloromethane	ND	0.500	ug/L								
cis-1,2-Dichloroethylene	ND	0.500	ug/L								
cis-1,3-Dichloropropylene	ND	0.500	ug/L								
Cyclohexane	ND	0.500	ug/L								
Dibromochloromethane	ND	0.500	ug/L								
Dibromomethane	ND	0.500	ug/L								
Dichlorodifluoromethane	ND	0.500	ug/L								
Diisopropyl ether (DIPE)	ND	0.800	ug/L								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC %REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50375 - EPA 5030B</b>											
<b>Blank (BK50375-BLK1)</b>											
Prepared: 11/06/2025 Analyzed: 11/07/2025											
Ethyl Benzene	ND	0.500	ug/L								
Ethyl tert-butyl ether (ETBE)	ND	0.800	ug/L								
Hexachlorobutadiene	ND	0.500	ug/L								
Iodomethane	ND	2.00	ug/L								
Isopropylbenzene	ND	0.500	ug/L								
Methyl acetate	ND	0.500	ug/L								
Methyl Methacrylate	ND	0.500	ug/L								
Methyl tert-butyl ether (MTBE)	ND	0.500	ug/L								
Methylcyclohexane	ND	0.500	ug/L								
Methylene chloride	ND	2.00	ug/L								
Naphthalene	0.290	2.00	ug/L								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	ug/L								
p- & m- Xylenes	ND	1.00	ug/L								
p-Diethylbenzene	ND	0.500	ug/L								
p-Ethyltoluene	ND	0.500	ug/L								
p-Isopropyltoluene	ND	0.500	ug/L								
sec-Butylbenzene	ND	0.500	ug/L								
Styrene	ND	0.500	ug/L								
tert-Amyl alcohol (TAA)	ND	8.00	ug/L								
tert-Amyl methyl ether (TAME)	ND	0.800	ug/L								
tert-Butyl alcohol (TBA)	ND	1.00	ug/L								
tert-Butylbenzene	ND	0.500	ug/L								
Tetrachloroethylene	ND	0.500	ug/L								
Tetrahydrofuran	ND	0.500	ug/L								
Toluene	ND	0.500	ug/L								
trans-1,2-Dichloroethylene	ND	0.500	ug/L								
trans-1,3-Dichloropropylene	ND	0.500	ug/L								
trans-1,4-dichloro-2-butene	ND	0.500	ug/L								
Trichloroethylene	ND	0.500	ug/L								
Trichlorofluoromethane	ND	0.500	ug/L								
Vinyl acetate	ND	0.500	ug/L								
Vinyl Chloride	ND	0.500	ug/L								
Xylenes, Total	ND	1.50	ug/L								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.9		ug/L	10.0		109	69-130				
Surrogate: SURR: Toluene-d8	11.3		ug/L	10.0		113	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.6		ug/L	10.0		106	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50375 - EPA 5030B</b>											
<b>LCS (BK50375-BS1)</b>						Prepared: 11/06/2025 Analyzed: 11/07/2025					
1,1,1,2-Tetrachloroethane	9.68		ug/L	10.0		96.8	82-126				
1,1,1-Trichloroethane	11.2		ug/L	10.0		112	78-136				
1,1,2,2-Tetrachloroethane	10.0		ug/L	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.7		ug/L	10.0		127	54-165				
1,1,2-Trichloroethane	9.91		ug/L	10.0		99.1	82-123				
1,1-Dichloroethane	14.6		ug/L	10.0		146	82-129	High Bias			
1,1-Dichloroethylene	12.4		ug/L	10.0		124	68-138				
1,1-Dichloropropylene	10.8		ug/L	10.0		108	83-133				
1,2,3-Trichlorobenzene	10.3		ug/L	10.0		103	76-136				
1,2,3-Trichloropropane	9.51		ug/L	10.0		95.1	77-128				
1,2,4,5-Tetramethylbenzene	9.38		ug/L	10.0		93.8	85-140				
1,2,4-Trichlorobenzene	10.3		ug/L	10.0		103	76-137				
1,2,4-Trimethylbenzene	9.66		ug/L	10.0		96.6	82-132				
1,2-Dibromo-3-chloropropane	9.53		ug/L	10.0		95.3	45-147				
1,2-Dibromoethane	10.1		ug/L	10.0		101	83-124				
1,2-Dichlorobenzene	9.12		ug/L	10.0		91.2	79-123				
1,2-Dichloroethane	9.88		ug/L	10.0		98.8	73-132				
1,2-Dichloropropane	10.2		ug/L	10.0		102	78-126				
1,3,5-Trimethylbenzene	9.70		ug/L	10.0		97.0	80-131				
1,3-Dichlorobenzene	9.21		ug/L	10.0		92.1	86-122				
1,3-Dichloropropane	10.1		ug/L	10.0		101	81-125				
1,4-Dichlorobenzene	8.98		ug/L	10.0		89.8	85-124				
2,2-Dichloropropane	10.2		ug/L	10.0		102	56-150				
2-Butanone	9.88		ug/L	10.0		98.8	49-152				
2-Chlorotoluene	9.53		ug/L	10.0		95.3	79-130				
2-Hexanone	9.11		ug/L	10.0		91.1	51-146				
4-Chlorotoluene	9.61		ug/L	10.0		96.1	79-128				
4-Methyl-2-pentanone	9.48		ug/L	10.0		94.8	57-145				
Acetone	9.49		ug/L	10.0		94.9	14-150				
Acrolein	31.9		ug/L	40.0		79.8	10-153				
Acrylonitrile	12.1		ug/L	10.0		121	51-150				
Benzene	10.6		ug/L	10.0		106	85-126				
Bromobenzene	9.34		ug/L	10.0		93.4	78-129				
Bromochloromethane	10.7		ug/L	10.0		107	77-128				
Bromodichloromethane	10.6		ug/L	10.0		106	79-128				
Bromoform	9.56		ug/L	10.0		95.6	78-133				
Bromomethane	14.3		ug/L	10.0		143	43-168				
Carbon disulfide	12.0		ug/L	10.0		120	68-146				
Carbon tetrachloride	11.3		ug/L	10.0		113	77-141				
Chlorobenzene	9.48		ug/L	10.0		94.8	88-120				
Chloroethane	15.3		ug/L	10.0		153	65-136	High Bias			
Chloroform	10.5		ug/L	10.0		105	82-128				
Chloromethane	11.9		ug/L	10.0		119	43-155				
cis-1,2-Dichloroethylene	11.2		ug/L	10.0		112	83-129				
cis-1,3-Dichloropropylene	10.2		ug/L	10.0		102	80-131				
Cyclohexane	12.0		ug/L	10.0		120	63-149				
Dibromochloromethane	9.62		ug/L	10.0		96.2	80-130				
Dibromomethane	10.1		ug/L	10.0		101	72-134				
Dichlorodifluoromethane	13.5		ug/L	10.0		135	44-144				
Diisopropyl ether (DIPE)	12.0		ug/L	10.0		120	70-130				
Ethyl Benzene	10.4		ug/L	10.0		104	80-131				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50375 - EPA 5030B</b>											
<b>LCS (BK50375-BS1)</b>											
Prepared: 11/06/2025 Analyzed: 11/07/2025											
Ethyl tert-butyl ether (ETBE)	9.97		ug/L	10.0		99.7	70-130				
Hexachlorobutadiene	9.99		ug/L	10.0		99.9	67-146				
Iodomethane	8.70		ug/L	10.0		87.0	70-130				
Isopropylbenzene	10.3		ug/L	10.0		103	76-140				
Methyl acetate	8.26		ug/L	10.0		82.6	51-139				
Methyl Methacrylate	11.2		ug/L	10.0		112	72-132				
Methyl tert-butyl ether (MTBE)	9.67		ug/L	10.0		96.7	76-135				
Methylcyclohexane	11.1		ug/L	10.0		111	72-143				
Methylene chloride	10.5		ug/L	10.0		105	55-137				
Naphthalene	10.9		ug/L	10.0		109	70-147				
n-Butylbenzene	7.80		ug/L	10.0		78.0	79-132	Low Bias			
n-Propylbenzene	10.1		ug/L	10.0		101	78-133				
o-Xylene	10.3		ug/L	10.0		103	78-130				
p- & m- Xylenes	21.3		ug/L	20.0		107	77-133				
p-Diethylbenzene	9.36		ug/L	10.0		93.6	84-134				
p-Ethyltoluene	9.55		ug/L	10.0		95.5	88-129				
p-Isopropyltoluene	10.2		ug/L	10.0		102	81-136				
sec-Butylbenzene	9.73		ug/L	10.0		97.3	79-137				
Styrene	9.61		ug/L	10.0		96.1	67-132				
tert-Amyl alcohol (TAA)	101		ug/L	100		101	70-130				
tert-Amyl methyl ether (TAME)	9.32		ug/L	10.0		93.2	70-130				
tert-Butyl alcohol (TBA)	47.5		ug/L	50.0		95.0	25-162				
tert-Butylbenzene	9.02		ug/L	10.0		90.2	77-138				
Tetrachloroethylene	7.03		ug/L	10.0		70.3	82-131	Low Bias			
Tetrahydrofuran	10.8		ug/L	10.0		108	36-166				
Toluene	10.5		ug/L	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.6		ug/L	10.0		116	80-132				
trans-1,3-Dichloropropylene	9.28		ug/L	10.0		92.8	78-131				
trans-1,4-dichloro-2-butene	9.77		ug/L	10.0		97.7	63-141				
Trichloroethylene	9.87		ug/L	10.0		98.7	82-128				
Trichlorofluoromethane	11.8		ug/L	10.0		118	67-139				
Vinyl acetate	9.39		ug/L	10.0		93.9	21-90	High Bias			
Vinyl Chloride	12.3		ug/L	10.0		123	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	11.2		ug/L	10.0		112	69-130				
Surrogate: SURR: Toluene-d8	11.0		ug/L	10.0		110	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.5		ug/L	10.0		105	79-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC %REC	Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50375 - EPA 5030B</b>											
<b>LCS Dup (BK50375-BSD1)</b>						Prepared: 11/06/2025 Analyzed: 11/07/2025					
1,1,1,2-Tetrachloroethane	9.74		ug/L	10.0		97.4	82-126		0.618	30	
1,1,1-Trichloroethane	10.2		ug/L	10.0		102	78-136		8.80	30	
1,1,2,2-Tetrachloroethane	10.3		ug/L	10.0		103	76-129		2.27	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		ug/L	10.0		114	54-165		11.1	30	
1,1,2-Trichloroethane	10.4		ug/L	10.0		104	82-123		4.92	30	
1,1-Dichloroethane	14.6		ug/L	10.0		146	82-129	High Bias	0.0683	30	
1,1-Dichloroethylene	11.4		ug/L	10.0		114	68-138		8.26	30	
1,1-Dichloropropylene	9.70		ug/L	10.0		97.0	83-133		10.4	30	
1,2,3-Trichlorobenzene	11.6		ug/L	10.0		116	76-136		12.1	30	
1,2,3-Trichloropropane	9.62		ug/L	10.0		96.2	77-128		1.15	30	
1,2,4,5-Tetramethylbenzene	9.40		ug/L	10.0		94.0	85-140		0.213	30	
1,2,4-Trichlorobenzene	11.6		ug/L	10.0		116	76-137		12.1	30	
1,2,4-Trimethylbenzene	9.38		ug/L	10.0		93.8	82-132		2.94	30	
1,2-Dibromo-3-chloropropane	10.5		ug/L	10.0		105	45-147		9.97	30	
1,2-Dibromoethane	10.5		ug/L	10.0		105	83-124		3.97	30	
1,2-Dichlorobenzene	9.24		ug/L	10.0		92.4	79-123		1.31	30	
1,2-Dichloroethane	10.2		ug/L	10.0		102	73-132		3.19	30	
1,2-Dichloropropane	10.2		ug/L	10.0		102	78-126		0.489	30	
1,3,5-Trimethylbenzene	9.34		ug/L	10.0		93.4	80-131		3.78	30	
1,3-Dichlorobenzene	9.20		ug/L	10.0		92.0	86-122		0.109	30	
1,3-Dichloropropane	10.4		ug/L	10.0		104	81-125		3.03	30	
1,4-Dichlorobenzene	8.91		ug/L	10.0		89.1	85-124		0.783	30	
2,2-Dichloropropane	9.33		ug/L	10.0		93.3	56-150		8.42	30	
2-Butanone	9.69		ug/L	10.0		96.9	49-152		1.94	30	
2-Chlorotoluene	9.17		ug/L	10.0		91.7	79-130		3.85	30	
2-Hexanone	9.98		ug/L	10.0		99.8	51-146		9.11	30	
4-Chlorotoluene	9.30		ug/L	10.0		93.0	79-128		3.28	30	
4-Methyl-2-pentanone	10.3		ug/L	10.0		103	57-145		8.00	30	
Acetone	9.30		ug/L	10.0		93.0	14-150		2.02	30	
Acrolein	34.2		ug/L	40.0		85.4	10-153		6.72	30	
Acrylonitrile	16.3		ug/L	10.0		163	51-150	High Bias	29.7	30	
Benzene	10.3		ug/L	10.0		103	85-126		3.06	30	
Bromobenzene	9.07		ug/L	10.0		90.7	78-129		2.93	30	
Bromochloromethane	11.2		ug/L	10.0		112	77-128		4.39	30	
Bromodichloromethane	10.7		ug/L	10.0		107	79-128		0.281	30	
Bromoform	10.2		ug/L	10.0		102	78-133		6.18	30	
Bromomethane	14.4		ug/L	10.0		144	43-168		0.767	30	
Carbon disulfide	11.1		ug/L	10.0		111	68-146		8.15	30	
Carbon tetrachloride	10.1		ug/L	10.0		101	77-141		11.3	30	
Chlorobenzene	9.53		ug/L	10.0		95.3	88-120		0.526	30	
Chloroethane	14.3		ug/L	10.0		143	65-136	High Bias	6.84	30	
Chloroform	10.4		ug/L	10.0		104	82-128		1.72	30	
Chloromethane	10.9		ug/L	10.0		109	43-155		8.80	30	
cis-1,2-Dichloroethylene	11.1		ug/L	10.0		111	83-129		0.179	30	
cis-1,3-Dichloropropylene	10.3		ug/L	10.0		103	80-131		0.880	30	
Cyclohexane	10.7		ug/L	10.0		107	63-149		11.4	30	
Dibromochloromethane	10.0		ug/L	10.0		100	80-130		3.87	30	
Dibromomethane	10.5		ug/L	10.0		105	72-134		3.40	30	
Dichlorodifluoromethane	11.6		ug/L	10.0		116	44-144		14.6	30	
Diisopropyl ether (DIPE)	12.4		ug/L	10.0		124	70-130		3.37	30	
Ethyl Benzene	10.1		ug/L	10.0		101	80-131		3.22	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50375 - EPA 5030B</b>											
<b>LCS Dup (BK50375-BSD1)</b>											
Prepared: 11/06/2025 Analyzed: 11/07/2025											
Ethyl tert-butyl ether (ETBE)	11.5		ug/L	10.0		115	70-130		14.3	30	
Hexachlorobutadiene	10.0		ug/L	10.0		100	67-146		0.200	30	
Iodomethane	8.25		ug/L	10.0		82.5	70-130		5.31	30	
Isopropylbenzene	9.55		ug/L	10.0		95.5	76-140		7.36	30	
Methyl acetate	8.68		ug/L	10.0		86.8	51-139		4.96	30	
Methyl Methacrylate	12.0		ug/L	10.0		120	72-132		6.81	30	
Methyl tert-butyl ether (MTBE)	10.5		ug/L	10.0		105	76-135		8.51	30	
Methylcyclohexane	10.0		ug/L	10.0		100	72-143		10.2	30	
Methylene chloride	10.6		ug/L	10.0		106	55-137		0.857	30	
Naphthalene	12.4		ug/L	10.0		124	70-147		12.6	30	
n-Butylbenzene	7.63		ug/L	10.0		76.3	79-132	Low Bias	2.20	30	
n-Propylbenzene	9.46		ug/L	10.0		94.6	78-133		6.15	30	
o-Xylene	10.3		ug/L	10.0		103	78-130		0.389	30	
p- & m- Xylenes	21.0		ug/L	20.0		105	77-133		1.75	30	
p-Diethylbenzene	9.12		ug/L	10.0		91.2	84-134		2.60	30	
p-Ethyltoluene	9.06		ug/L	10.0		90.6	88-129		5.27	30	
p-Isopropyltoluene	9.91		ug/L	10.0		99.1	81-136		3.08	30	
sec-Butylbenzene	9.32		ug/L	10.0		93.2	79-137		4.30	30	
Styrene	9.72		ug/L	10.0		97.2	67-132		1.14	30	
tert-Amyl alcohol (TAA)	117		ug/L	100		117	70-130		14.5	30	
tert-Amyl methyl ether (TAME)	9.97		ug/L	10.0		99.7	70-130		6.74	30	
tert-Butyl alcohol (TBA)	54.2		ug/L	50.0		108	25-162		13.3	30	
tert-Butylbenzene	8.63		ug/L	10.0		86.3	77-138		4.42	30	
Tetrachloroethylene	6.45		ug/L	10.0		64.5	82-131	Low Bias	8.61	30	
Tetrahydrofuran	11.6		ug/L	10.0		116	36-166		7.68	30	
Toluene	10.0		ug/L	10.0		100	80-127		4.30	30	
trans-1,2-Dichloroethylene	11.0		ug/L	10.0		110	80-132		4.77	30	
trans-1,3-Dichloropropylene	9.63		ug/L	10.0		96.3	78-131		3.70	30	
trans-1,4-dichloro-2-butene	10.2		ug/L	10.0		102	63-141		3.82	30	
Trichloroethylene	9.15		ug/L	10.0		91.5	82-128		7.57	30	
Trichlorofluoromethane	10.8		ug/L	10.0		108	67-139		9.05	30	
Vinyl acetate	10.6		ug/L	10.0		106	21-90	High Bias	12.2	30	
Vinyl Chloride	11.0		ug/L	10.0		110	58-145		11.4	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	11.4		ug/L	10.0		114	69-130				
Surrogate: SURR: Toluene-d8	10.7		ug/L	10.0		107	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		ug/L	10.0		100	79-122				



**Semivolatile Organic Compounds by GC/MS/SIM - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50420 - EPA 3535A</b>											
<b>Blank (BK50420-BLK1)</b> <span style="float:right">Prepared: 11/07/2025 Analyzed: 11/11/2025</span>											
1,4-Dioxane	ND	0.300	ug/L								
1,4-Dioxane	ND	0.300	ug/L								
<i>Surrogate: 1,4-Dioxane-d8</i>	4.64		ug/L	4.00		116	36.6-118				
<b>LCS (BK50420-BS1)</b> <span style="float:right">Prepared: 11/07/2025 Analyzed: 11/11/2025</span>											
1,4-Dioxane	4.00	0.300	ug/L	4.00		100	50-130				
1,4-Dioxane	4.00	0.300	ug/L	4.00		100	50-130				
<i>Surrogate: 1,4-Dioxane-d8</i>	4.32		ug/L	4.00		108	36.6-118				
<b>Matrix Spike (BK50420-MS1)</b> <i>*Source sample: 25K0086-01 (XDDMW-11)</i> <span style="float:right">Prepared: 11/07/2025 Analyzed: 11/10/2025</span>											
1,4-Dioxane	4.72	0.300	ug/L	4.00	2.35	59.2	50-130				
1,4-Dioxane	4.72	0.300	ug/L	4.00	2.35	59.2	50-130				
<i>Surrogate: 1,4-Dioxane-d8</i>	4.48		ug/L	4.00		112	50-130				
<b>Matrix Spike Dup (BK50420-MSD1)</b> <i>*Source sample: 25K0086-01 (XDDMW-11)</i> <span style="float:right">Prepared: 11/07/2025 Analyzed: 11/11/2025</span>											
1,4-Dioxane	5.12	0.300	ug/L	4.00	2.35	69.2	50-130		8.13	30	
1,4-Dioxane	5.12	0.300	ug/L	4.00	2.35	69.2	50-130		8.13	30	
<i>Surrogate: 1,4-Dioxane-d8</i>	4.00		ug/L	4.00		100	50-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50345 - EPA 1633 Prep</b>											
<b>Blank (BK50345-BLK1)</b>											
Prepared: 11/06/2025 Analyzed: 11/08/2025											
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	ng/L								
Perfluorooctanoic acid (PFOA)	ND	2.00	ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	ng/L								
Perfluorononanoic acid (PFNA)	ND	2.00	ng/L								
Perfluorodecanoic acid (PFDA)	ND	2.00	ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	ng/L								
Perfluorododecanoic acid (PFDoA)	ND	2.00	ng/L								
Perfluorotridecanoic acid (PFTTrDA)	ND	2.00	ng/L								
Perfluorotetradecanoic acid (PFTTA)	ND	2.00	ng/L								
N-MeFOSAA	ND	2.00	ng/L								
N-EtFOSAA	ND	5.00	ng/L								
Perfluoropentanoic acid (PFPeA)	ND	4.00	ng/L								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	ng/L								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	ng/L								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	ng/L								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	ng/L								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	ng/L								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.00	ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	ng/L								
HFPO-DA (Gen-X)	ND	8.00	ng/L								
11CL-PF3OUdS	ND	7.56	ng/L								
9CL-PF3ONS	ND	7.48	ng/L								
ADONA	ND	7.56	ng/L								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	ng/L								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	ng/L								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	ng/L								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	ng/L								
N-MeFOSE	ND	20.0	ng/L								
N-MeFOSA	ND	2.00	ng/L								
N-EtFOSE	ND	20.0	ng/L								
N-EtFOSA	ND	2.00	ng/L								
<i>Surrogate: M3PFBS</i>	24.6		ng/L	23.3		106	40-135				
<i>Surrogate: M5PFHxA</i>	24.1		ng/L	25.0		96.4	40-130				
<i>Surrogate: M4PFHpA</i>	24.1		ng/L	25.0		96.5	40-130				
<i>Surrogate: M3PFHxS</i>	25.9		ng/L	23.7		109	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50345 - EPA 1633 Prep</b>											
<b>Blank (BK50345-BLK1)</b>						Prepared: 11/06/2025 Analyzed: 11/08/2025					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.3		ng/L	25.0		89.3	40-130				
Surrogate: M6PFDA	11.2		ng/L	12.5		90.0	40-130				
Surrogate: M7PFUdA	10.4		ng/L	12.5		83.1	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	9.81		ng/L	12.5		78.5	10-130				
Surrogate: M2PFTeDA	9.98		ng/L	12.5		79.8	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	97.8		ng/L	100		97.8	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	24.9		ng/L	24.0		104	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	46.6		ng/L	50.0		93.3	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.1		ng/L	25.0		116	40-130				
Surrogate: d3-N-MeFOSAA	38.9		ng/L	50.0		77.8	40-170				
Surrogate: d5-N-EtFOSAA	39.4		ng/L	50.0		78.9	25-135				
Surrogate: M2-6:2 FTS	55.2		ng/L	47.6		116	40-200				
Surrogate: M2-8:2 FTS	47.4		ng/L	48.0		98.8	40-300				
Surrogate: M9PFNA	11.5		ng/L	12.5		91.6	40-130				
Surrogate: M2-4:2 FTS	56.8		ng/L	46.9		121	40-200				
Surrogate: d-N-MeFOSA	21.1		ng/L	25.0		84.4	10-130				
Surrogate: d-N-EtFOSA	18.9		ng/L	25.0		75.6	10-130				
Surrogate: M3HFPO-DA	104		ng/L	100		104	40-130				
Surrogate: d9-N-EtFOSE	202		ng/L	250		80.8	10-130				
Surrogate: d7-N-MeFOSE	201		ng/L	250		80.5	10-130				
<b>LCS (BK50345-BS1)</b>						Prepared: 11/06/2025 Analyzed: 11/08/2025					
Perfluorobutanesulfonic acid (PFBS)	41.1	1.77	ng/L	35.4		116	60-145				
Perfluorohexanoic acid (PFHxA)	44.5	2.00	ng/L	40.0		111	70-145				
Perfluoroheptanoic acid (PFHpA)	47.2	2.00	ng/L	40.0		118	70-150				
Perfluorohexanesulfonic acid (PFHxS)	38.1	1.83	ng/L	36.6		104	65-145				
Perfluorooctanoic acid (PFOA)	49.2	2.00	ng/L	40.0		123	70-150				
Perfluorooctanesulfonic acid (PFOS)	45.8	1.86	ng/L	37.2		123	55-150				
Perfluorononanoic acid (PFNA)	44.4	2.00	ng/L	40.0		111	70-150				
Perfluorodecanoic acid (PFDA)	47.9	2.00	ng/L	40.0		120	70-140				
Perfluoroundecanoic acid (PFUnA)	49.8	2.00	ng/L	40.0		124	70-145				
Perfluorododecanoic acid (PFDoA)	54.3	2.00	ng/L	40.0		136	70-140				
Perfluorotridecanoic acid (PFTrDA)	53.8	2.00	ng/L	40.0		135	65-140				
Perfluorotetradecanoic acid (PFTA)	43.2	2.00	ng/L	40.0		108	60-140				
N-MeFOSAA	41.0	2.00	ng/L	40.0		102	50-140				
N-EtFOSAA	48.1	5.00	ng/L	40.0		120	70-145				
Perfluoropentanoic acid (PFPeA)	88.0	4.00	ng/L	80.0		110	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	42.4	2.00	ng/L	40.0		106	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	44.4	1.91	ng/L	38.2		116	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	39.8	1.93	ng/L	38.6		103	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	154	7.60	ng/L	152		101	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	181	7.68	ng/L	154		118	60-150				
Perfluoro-n-butanoic acid (PFBA)	182	8.00	ng/L	160		114	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	88.1	3.56	ng/L	71.2		124	70-140				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50345 - EPA 1633 Prep</b>											
<b>LCS (BK50345-BS1)</b>											
Prepared: 11/06/2025 Analyzed: 11/08/2025											
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	132	4.00	ng/L	80.0		165	50-150	High Bias			
Perfluoro-4-oxapentanoic acid (PFMPA)	89.7	4.00	ng/L	80.0		112	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	97.2	4.00	ng/L	80.0		121	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	40.2	1.88	ng/L	37.6		107	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	159	7.50	ng/L	150		106	70-145				
HFPO-DA (Gen-X)	80.3	8.00	ng/L	80.0		100	70-140				
11CL-PF3OUdS	73.1	7.56	ng/L	75.6		96.7	55-160				
9CL-PF3ONS	79.7	7.48	ng/L	74.8		107	70-155				
ADONA	83.7	7.56	ng/L	75.6		111	65-145				
Perfluorododecanesulfonic acid (PFDoS)	28.4	1.94	ng/L	38.8		73.2	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	41.5	1.92	ng/L	38.4		108	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	282	10.0	ng/L	160		176	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	964	50.0	ng/L	800		121	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	1010	50.0	ng/L	800		126	50-145				
N-MeFOSE	406	20.0	ng/L	400		101	70-145				
N-MeFOSA	41.9	2.00	ng/L	40.0		105	60-150				
N-EtFOSE	476	20.0	ng/L	400		119	70-135				
N-EtFOSA	44.1	2.00	ng/L	40.0		110	65-145				
Surrogate: M3PFBS	21.8		ng/L	23.3		93.5	40-135				
Surrogate: M5PFHxA	22.2		ng/L	25.0		88.9	40-130				
Surrogate: M4PFHpA	21.9		ng/L	25.0		87.7	40-130				
Surrogate: M3PFHxS	22.3		ng/L	23.7		94.3	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PF OA)	20.9		ng/L	25.0		83.6	40-130				
Surrogate: M6PFDA	10.1		ng/L	12.5		81.0	40-130				
Surrogate: M7PFUdA	9.28		ng/L	12.5		74.2	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	8.79		ng/L	12.5		70.3	10-130				
Surrogate: M2PFTeDA	7.65		ng/L	12.5		61.2	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	89.8		ng/L	100		89.8	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	21.2		ng/L	24.0		88.4	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	43.2		ng/L	50.0		86.4	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	25.7		ng/L	25.0		103	40-130				
Surrogate: d3-N-MeFOSAA	35.2		ng/L	50.0		70.3	40-170				
Surrogate: d5-N-EtFOSAA	34.0		ng/L	50.0		68.1	25-135				
Surrogate: M2-6:2 FTS	45.5		ng/L	47.6		95.7	40-200				
Surrogate: M2-8:2 FTS	39.4		ng/L	48.0		82.1	40-300				
Surrogate: M9PFNA	11.4		ng/L	12.5		91.4	40-130				
Surrogate: M2-4:2 FTS	45.6		ng/L	46.9		97.1	40-200				
Surrogate: d-N-MeFOSA	21.9		ng/L	25.0		87.4	10-130				
Surrogate: d-N-EtFOSA	20.4		ng/L	25.0		81.5	10-130				
Surrogate: M3HFPO-DA	101		ng/L	100		101	40-130				
Surrogate: d9-N-EtFOSE	203		ng/L	250		81.3	10-130				
Surrogate: d7-N-MeFOSE	226		ng/L	250		90.6	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50345 - EPA 1633 Prep</b>											
<b>LCS (BK50345-BS2)</b>						Prepared: 11/06/2025 Analyzed: 11/08/2025					
Perfluorobutanesulfonic acid (PFBS)	3.35	1.77	ng/L	3.54		94.6	60-145				
Perfluorohexanoic acid (PFHxA)	3.80	2.00	ng/L	4.00		95.1	70-145				
Perfluoroheptanoic acid (PFHpA)	4.80	2.00	ng/L	4.00		120	70-150				
Perfluorohexanesulfonic acid (PFHxS)	3.64	1.83	ng/L	3.66		99.3	65-145				
Perfluorooctanoic acid (PFOA)	4.21	2.00	ng/L	4.00		105	70-150				
Perfluorooctanesulfonic acid (PFOS)	2.80	1.86	ng/L	3.72		75.3	55-150				
Perfluorononanoic acid (PFNA)	4.45	2.00	ng/L	4.00		111	70-150				
Perfluorodecanoic acid (PFDA)	4.48	2.00	ng/L	4.00		112	70-140				
Perfluoroundecanoic acid (PFUnA)	4.58	2.00	ng/L	4.00		114	70-145				
Perfluorododecanoic acid (PFDoA)	4.68	2.00	ng/L	4.00		117	70-140				
Perfluorotridecanoic acid (PFTrDA)	4.19	2.00	ng/L	4.00		105	65-140				
Perfluorotetradecanoic acid (PFTA)	4.32	2.00	ng/L	4.00		108	60-140				
N-MeFOSAA	3.65	2.00	ng/L	4.00		91.1	50-140				
N-EtFOSAA	3.67	5.00	ng/L	4.00		91.7	70-145				
Perfluoropentanoic acid (PFPeA)	7.55	4.00	ng/L	8.00		94.4	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	3.49	2.00	ng/L	4.00		87.2	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.39	1.91	ng/L	3.82		88.9	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.64	1.93	ng/L	3.86		94.2	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	12.6	7.60	ng/L	15.2		82.8	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	16.4	7.68	ng/L	15.4		107	60-150				
Perfluoro-n-butanoic acid (PFBA)	15.7	8.00	ng/L	16.0		98.3	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.84	3.56	ng/L	7.12		110	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	8.67	4.00	ng/L	8.00		108	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	8.35	4.00	ng/L	8.00		104	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	8.87	4.00	ng/L	8.00		111	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.78	1.88	ng/L	3.76		100	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	16.3	7.50	ng/L	15.0		108	70-145				
HFPO-DA (Gen-X)	6.14	8.00	ng/L	8.00		76.8	70-140				
11CL-PF3OUdS	8.75	7.56	ng/L	7.56		116	55-160				
9CL-PF3ONS	8.56	7.48	ng/L	7.48		114	70-155				
ADONA	8.05	7.56	ng/L	7.56		106	65-145				
Perfluorododecanesulfonic acid (PFDoS)	3.33	1.94	ng/L	3.88		85.8	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	2.61	1.92	ng/L	3.84		67.9	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	25.7	10.0	ng/L	16.0		161	65-130	High Bias			
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	80.0	50.0	ng/L	80.0		100	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	84.8	50.0	ng/L	80.0		106	50-145				
N-MeFOSE	39.5	20.0	ng/L	40.0		98.6	70-145				
N-MeFOSA	3.89	2.00	ng/L	4.00		97.2	60-150				
N-EtFOSE	44.9	20.0	ng/L	40.0		112	70-135				
N-EtFOSA	4.55	2.00	ng/L	4.00		114	65-145				
Surrogate: M3PFBS	25.8		ng/L	23.3		111	40-135				
Surrogate: M5PFHxA	23.7		ng/L	25.0		94.7	40-130				
Surrogate: M4PFHpA	22.5		ng/L	25.0		90.0	40-130				
Surrogate: M3PFHxS	23.5		ng/L	23.7		99.0	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50345 - EPA 1633 Prep</b>											
<b>LCS (BK50345-BS2)</b> <span style="float: right;">Prepared: 11/06/2025 Analyzed: 11/08/2025</span>											
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	22.9		ng/L	25.0		91.5	40-130				
Surrogate: M6PFDA	12.2		ng/L	12.5		97.3	40-130				
Surrogate: M7PFUdA	12.2		ng/L	12.5		97.9	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	11.4		ng/L	12.5		90.8	10-130				
Surrogate: M2PFTeDA	12.0		ng/L	12.5		96.0	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	98.3		ng/L	100		98.3	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	26.1		ng/L	24.0		109	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	45.6		ng/L	50.0		91.1	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	27.9		ng/L	25.0		112	40-130				
Surrogate: d3-N-MeFOSAA	42.1		ng/L	50.0		84.1	40-170				
Surrogate: d5-N-EtFOSAA	41.8		ng/L	50.0		83.6	25-135				
Surrogate: M2-6:2 FTS	54.5		ng/L	47.6		115	40-200				
Surrogate: M2-8:2 FTS	42.2		ng/L	48.0		87.8	40-300				
Surrogate: M9PFNA	11.7		ng/L	12.5		93.8	40-130				
Surrogate: M2-4:2 FTS	49.2		ng/L	46.9		105	40-200				
Surrogate: d-N-MeFOSA	22.3		ng/L	25.0		89.2	10-130				
Surrogate: d-N-EtFOSA	22.7		ng/L	25.0		90.9	10-130				
Surrogate: M3HFPO-DA	103		ng/L	100		103	40-130				
Surrogate: d9-N-EtFOSE	231		ng/L	250		92.5	10-130				
Surrogate: d7-N-MeFOSE	245		ng/L	250		98.2	10-130				
<b>Batch BK50609 - EPA 1633 Prep</b>											
<b>Blank (BK50609-BLK1)</b> <span style="float: right;">Prepared: 11/11/2025 Analyzed: 11/13/2025</span>											
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	ng/L								
Perfluorooctanoic acid (PFOA)	ND	2.00	ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	ng/L								
Perfluorononanoic acid (PFNA)	ND	2.00	ng/L								
Perfluorodecanoic acid (PFDA)	ND	2.00	ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	ng/L								
Perfluorododecanoic acid (PFDoA)	ND	2.00	ng/L								
Perfluorotridecanoic acid (PFTTrDA)	ND	2.00	ng/L								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	ng/L								
N-MeFOSAA	ND	2.00	ng/L								
N-EtFOSAA	ND	5.00	ng/L								
Perfluoropentanoic acid (PFPeA)	ND	4.00	ng/L								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	ng/L								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	ng/L								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	ng/L								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	ng/L								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	ng/L								



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50609 - EPA 1633 Prep</b>											
<b>Blank (BK50609-BLK1)</b>											
Prepared: 11/11/2025 Analyzed: 11/13/2025											
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	ng/L								
HFPO-DA (Gen-X)	ND	8.00	ng/L								
11CL-PF3OUdS	ND	7.56	ng/L								
9CL-PF3ONS	ND	7.48	ng/L								
ADONA	ND	7.56	ng/L								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	ng/L								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	ng/L								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	ng/L								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	ng/L								
N-MeFOSE	ND	20.0	ng/L								
N-MeFOSA	ND	2.00	ng/L								
N-EtFOSE	ND	20.0	ng/L								
N-EtFOSA	ND	2.00	ng/L								
<i>Surrogate: M3PFBS</i>	32.7		ng/L	23.3		140	40-135				
<i>Surrogate: M5PFHxA</i>	32.8		ng/L	25.0		131	40-130				
<i>Surrogate: M4PFHpA</i>	30.3		ng/L	25.0		121	40-130				
<i>Surrogate: M3PFHxS</i>	32.8		ng/L	23.7		138	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	33.7		ng/L	25.0		135	40-130				
<i>Surrogate: M6PFDA</i>	17.5		ng/L	12.5		140	40-130				
<i>Surrogate: M7PFUdA</i>	17.1		ng/L	12.5		137	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDaA)</i>	16.4		ng/L	12.5		131	10-130				
<i>Surrogate: M2PFTeDA</i>	13.2		ng/L	12.5		105	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	122		ng/L	100		122	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	31.1		ng/L	24.0		130	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	69.2		ng/L	50.0		138	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	31.1		ng/L	25.0		125	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	66.8		ng/L	50.0		134	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	62.5		ng/L	50.0		125	25-135				
<i>Surrogate: M2-6:2 FTS</i>	76.3		ng/L	47.6		161	40-200				
<i>Surrogate: M2-8:2 FTS</i>	69.2		ng/L	48.0		144	40-300				
<i>Surrogate: M9PFNA</i>	17.7		ng/L	12.5		142	40-130				
<i>Surrogate: M2-4:2 FTS</i>	76.8		ng/L	46.9		164	40-200				
<i>Surrogate: d-N-MeFOSA</i>	28.4		ng/L	25.0		114	10-130				
<i>Surrogate: d-N-EtFOSA</i>	28.7		ng/L	25.0		115	10-130				
<i>Surrogate: M3HFPO-DA</i>	141		ng/L	100		141	40-130				
<i>Surrogate: d9-N-EtFOSE</i>	257		ng/L	250		103	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50609 - EPA 1633 Prep</b>											
<b>Blank (BK50609-BLK1)</b>											
Prepared: 11/11/2025 Analyzed: 11/13/2025											
Surrogate: d7-N-MeFOSE	256		ng/L	250		103	10-130				
<b>LCS (BK50609-BS1)</b>											
Prepared: 11/11/2025 Analyzed: 11/13/2025											
Perfluorobutanesulfonic acid (PFBS)	36.7	1.77	ng/L	35.4		104	60-145				
Perfluorohexanoic acid (PFHxA)	40.9	2.00	ng/L	40.0		102	70-145				
Perfluoroheptanoic acid (PFHpA)	39.6	2.00	ng/L	40.0		98.9	70-150				
Perfluorohexanesulfonic acid (PFHxS)	37.8	1.83	ng/L	36.6		103	65-145				
Perfluorooctanoic acid (PFOA)	39.6	2.00	ng/L	40.0		99.1	70-150				
Perfluorooctanesulfonic acid (PFOS)	36.5	1.86	ng/L	37.2		98.0	55-150				
Perfluorononanoic acid (PFNA)	44.3	2.00	ng/L	40.0		111	70-150				
Perfluorodecanoic acid (PFDA)	39.6	2.00	ng/L	40.0		98.9	70-140				
Perfluoroundecanoic acid (PFUnA)	41.5	2.00	ng/L	40.0		104	70-145				
Perfluorododecanoic acid (PFDoA)	38.4	2.00	ng/L	40.0		95.9	70-140				
Perfluorotridecanoic acid (PFTrDA)	44.0	2.00	ng/L	40.0		110	65-140				
Perfluorotetradecanoic acid (PFTA)	40.9	2.00	ng/L	40.0		102	60-140				
N-MeFOSAA	43.1	2.00	ng/L	40.0		108	50-140				
N-EtFOSAA	42.6	5.00	ng/L	40.0		106	70-145				
Perfluoropentanoic acid (PFPeA)	80.0	4.00	ng/L	80.0		100	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	41.6	2.00	ng/L	40.0		104	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	36.7	1.91	ng/L	38.2		96.1	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	36.3	1.93	ng/L	38.6		94.1	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	147	7.60	ng/L	152		96.9	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	165	7.68	ng/L	154		107	60-150				
Perfluoro-n-butanoic acid (PFBA)	161	8.00	ng/L	160		100	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	70.9	3.56	ng/L	71.2		99.6	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	64.4	4.00	ng/L	80.0		80.5	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	82.0	4.00	ng/L	80.0		103	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	78.7	4.00	ng/L	80.0		98.3	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	39.1	1.88	ng/L	37.6		104	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	142	7.50	ng/L	150		94.8	70-145				
HFPO-DA (Gen-X)	76.7	8.00	ng/L	80.0		95.9	70-140				
11CL-PF3OUdS	71.4	7.56	ng/L	75.6		94.4	55-160				
9CL-PF3ONS	71.0	7.48	ng/L	74.8		95.0	70-155				
ADONA	81.0	7.56	ng/L	75.6		107	65-145				
Perfluorododecanesulfonic acid (PFDoS)	31.3	1.94	ng/L	38.8		80.7	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	40.3	1.92	ng/L	38.4		105	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	168	10.0	ng/L	160		105	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	823	50.0	ng/L	800		103	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	824	50.0	ng/L	800		103	50-145				
N-MeFOSE	404	20.0	ng/L	400		101	70-145				
N-MeFOSA	42.1	2.00	ng/L	40.0		105	60-150				
N-EtFOSE	420	20.0	ng/L	400		105	70-135				
N-EtFOSA	40.2	2.00	ng/L	40.0		101	65-145				
Surrogate: M3PFBS	31.8		ng/L	23.3		136	40-135				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50609 - EPA 1633 Prep</b>											
<b>LCS (BK50609-BS1)</b>						Prepared: 11/11/2025 Analyzed: 11/13/2025					
Surrogate: M5PFHxA	32.8		ng/L	25.0		131	40-130				
Surrogate: M4PFHpA	32.8		ng/L	25.0		131	40-130				
Surrogate: M3PFHxS	31.7		ng/L	23.7		134	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	33.6		ng/L	25.0		134	40-130				
Surrogate: M6PFDA	16.9		ng/L	12.5		135	40-130				
Surrogate: M7PFUdA	15.8		ng/L	12.5		126	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.2		ng/L	12.5		121	10-130				
Surrogate: M2PFTEdA	12.2		ng/L	12.5		97.8	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	120		ng/L	100		120	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	32.1		ng/L	24.0		134	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	69.7		ng/L	50.0		139	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.7		ng/L	25.0		119	40-130				
Surrogate: d3-N-MeFOSAA	61.8		ng/L	50.0		124	40-170				
Surrogate: d5-N-EtFOSAA	56.5		ng/L	50.0		113	25-135				
Surrogate: M2-6:2 FTS	63.7		ng/L	47.6		134	40-200				
Surrogate: M2-8:2 FTS	58.0		ng/L	48.0		121	40-300				
Surrogate: M9PFNA	15.5		ng/L	12.5		124	40-130				
Surrogate: M2-4:2 FTS	64.4		ng/L	46.9		137	40-200				
Surrogate: d-N-MeFOSA	29.9		ng/L	25.0		120	10-130				
Surrogate: d-N-EtFOSA	28.8		ng/L	25.0		115	10-130				
Surrogate: M3HFPO-DA	135		ng/L	100		135	40-130				
Surrogate: d9-N-EtFOSE	273		ng/L	250		109	10-130				
Surrogate: d7-N-MeFOSE	272		ng/L	250		109	10-130				
<b>LCS (BK50609-BS2)</b>						Prepared: 11/11/2025 Analyzed: 11/13/2025					
Perfluorobutanesulfonic acid (PFBS)	3.24	1.77	ng/L	3.54		91.5	60-145				
Perfluorohexanoic acid (PFHxA)	3.26	2.00	ng/L	4.00		81.6	70-145				
Perfluoroheptanoic acid (PFHpA)	3.25	2.00	ng/L	4.00		81.3	70-150				
Perfluorohexanesulfonic acid (PFHxS)	3.10	1.83	ng/L	3.66		84.6	65-145				
Perfluorooctanoic acid (PFOA)	3.11	2.00	ng/L	4.00		77.7	70-150				
Perfluorooctanesulfonic acid (PFOS)	2.84	1.86	ng/L	3.72		76.2	55-150				
Perfluorononanoic acid (PFNA)	3.35	2.00	ng/L	4.00		83.6	70-150				
Perfluorodecanoic acid (PFDA)	2.96	2.00	ng/L	4.00		74.0	70-140				
Perfluoroundecanoic acid (PFUnA)	3.03	2.00	ng/L	4.00		75.8	70-145				
Perfluorododecanoic acid (PFDoA)	2.59	2.00	ng/L	4.00		64.8	70-140	Low Bias			
Perfluorotridecanoic acid (PFTTrDA)	3.14	2.00	ng/L	4.00		78.5	65-140				
Perfluorotetradecanoic acid (PFTA)	3.29	2.00	ng/L	4.00		82.1	60-140				
N-MeFOSAA	3.57	2.00	ng/L	4.00		89.1	50-140				
N-EtFOSAA	2.38	5.00	ng/L	4.00		59.5	70-145	Low Bias			
Perfluoropentanoic acid (PFPeA)	6.54	4.00	ng/L	8.00		81.8	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	2.82	2.00	ng/L	4.00		70.6	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	2.62	1.91	ng/L	3.82		68.6	70-150	Low Bias			
Perfluoro-1-decanesulfonic acid (PFDS)	3.14	1.93	ng/L	3.86		81.3	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	11.9	7.60	ng/L	15.2		78.1	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	10.0	7.68	ng/L	15.4		65.4	60-150				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50609 - EPA 1633 Prep</b>											
<b>LCS (BK50609-BS2)</b>											
						Prepared: 11/11/2025 Analyzed: 11/13/2025					
Perfluoro-n-butanoic acid (PFBA)	12.7	8.00	ng/L	16.0		79.6	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	5.74	3.56	ng/L	7.12		80.6	70-140				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	6.76	4.00	ng/L	8.00		84.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	7.18	4.00	ng/L	8.00		89.8	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	6.89	4.00	ng/L	8.00		86.1	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	2.49	1.88	ng/L	3.76		66.1	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	11.9	7.50	ng/L	15.0		79.1	70-145				
HFPO-DA (Gen-X)	5.75	8.00	ng/L	8.00		71.9	70-140				
11CL-PF3OUdS	4.69	7.56	ng/L	7.56		62.0	55-160				
9CL-PF3ONS	4.60	7.48	ng/L	7.48		61.5	70-155	Low Bias			
ADONA	4.84	7.56	ng/L	7.56		64.0	65-145	Low Bias			
Perfluorododecanesulfonic acid (PFDoS)	2.61	1.94	ng/L	3.88		67.4	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	2.62	1.92	ng/L	3.84		68.1	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	15.8	10.0	ng/L	16.0		98.5	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	78.4	50.0	ng/L	80.0		98.0	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	68.6	50.0	ng/L	80.0		85.7	50-145				
N-MeFOSE	37.8	20.0	ng/L	40.0		94.5	70-145				
N-MeFOSA	3.77	2.00	ng/L	4.00		94.4	60-150				
N-EtFOSE	37.1	20.0	ng/L	40.0		92.7	70-135				
N-EtFOSA	3.93	2.00	ng/L	4.00		98.1	65-145				
<i>Surrogate: M3PFBS</i>	33.2		ng/L	23.3		142	40-135				
<i>Surrogate: M5PFHxA</i>	35.8		ng/L	25.0		143	40-130				
<i>Surrogate: M4PFHpA</i>	35.6		ng/L	25.0		142	40-130				
<i>Surrogate: M3PFHxS</i>	32.7		ng/L	23.7		138	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	32.7		ng/L	25.0		131	40-130				
<i>Surrogate: M6PFDA</i>	18.6		ng/L	12.5		149	40-130				
<i>Surrogate: M7PFUdA</i>	17.5		ng/L	12.5		140	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	15.7		ng/L	12.5		126	10-130				
<i>Surrogate: M2PFTeDA</i>	13.1		ng/L	12.5		105	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	128		ng/L	100		128	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	31.7		ng/L	24.0		132	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	74.2		ng/L	50.0		148	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	32.9		ng/L	25.0		132	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	61.6		ng/L	50.0		123	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	60.4		ng/L	50.0		121	25-135				
<i>Surrogate: M2-6:2 FTS</i>	74.6		ng/L	47.6		157	40-200				
<i>Surrogate: M2-8:2 FTS</i>	67.5		ng/L	48.0		141	40-300				
<i>Surrogate: M9PFNA</i>	17.1		ng/L	12.5		136	40-130				
<i>Surrogate: M2-4:2 FTS</i>	75.0		ng/L	46.9		160	40-200				
<i>Surrogate: d-N-MeFOSA</i>	32.3		ng/L	25.0		129	10-130				
<i>Surrogate: d-N-EtFOSA</i>	31.7		ng/L	25.0		127	10-130				
<i>Surrogate: M3HFPO-DA</i>	146		ng/L	100		146	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50609 - EPA 1633 Prep</b>											
<b>LCS (BK50609-BS2)</b>						Prepared: 11/11/2025 Analyzed: 11/13/2025					
Surrogate: d9-N-EtFOSE	288		ng/L	250		115	10-130				
Surrogate: d7-N-MeFOSE	289		ng/L	250		116	10-130				
<b>Duplicate (BK50609-DUP1)</b>						*Source sample: 25K0086-06 (FMW-35) Prepared: 11/11/2025 Analyzed: 11/13/2025					
Perfluorobutanesulfonic acid (PFBS)	2.71	1.99	ng/L		2.49				8.70	30	
Perfluorohexanoic acid (PFHxA)	4.22	2.25	ng/L		3.71				12.7	30	
Perfluoroheptanoic acid (PFHpA)	2.28	2.25	ng/L		1.92				17.1	30	
Perfluorohexanesulfonic acid (PFHxS)	77.8	2.06	ng/L		78.0				0.334	30	
Perfluorooctanoic acid (PFOA)	13.7	2.25	ng/L		14.0				1.77	30	
Perfluorooctanesulfonic acid (PFOS)	83.3	2.09	ng/L		78.2				6.33	30	
Perfluorononanoic acid (PFNA)	ND	2.25	ng/L		ND					30	
Perfluorodecanoic acid (PFDA)	ND	2.25	ng/L		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	2.25	ng/L		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	2.25	ng/L		ND					30	
Perfluorotridecanoic acid (PFTrDA)	ND	2.25	ng/L		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	2.25	ng/L		ND					30	
N-MeFOSAA	ND	2.25	ng/L		ND					30	
N-EtFOSAA	ND	5.63	ng/L		ND					30	
Perfluoropentanoic acid (PFPeA)	2.50	4.50	ng/L		1.92				25.9	30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.25	ng/L		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.15	ng/L		0.351					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.17	ng/L		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	8.56	ng/L		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	8.65	ng/L		ND					30	
Perfluoro-n-butanoic acid (PFBA)	5.72	9.01	ng/L		3.76				41.3	30	Non-dir.
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	4.01	ng/L		ND					30	
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND	4.50	ng/L		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.50	ng/L		ND					30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.50	ng/L		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	2.81	2.12	ng/L		2.42				15.2	30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	8.45	ng/L		ND					30	
HFPO-DA (Gen-X)	ND	9.01	ng/L		ND					30	
11CL-PF3OUdS	ND	8.51	ng/L		ND					30	
9CL-PF3ONS	ND	8.42	ng/L		ND					30	
ADONA	ND	8.51	ng/L		ND					30	
Perfluorododecanesulfonic acid (PFDoS)	ND	2.18	ng/L		ND					30	
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	2.16	ng/L		ND					30	
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	11.3	ng/L		ND					30	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	56.3	ng/L		ND					30	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	56.3	ng/L		ND					30	
N-MeFOSE	ND	22.5	ng/L		ND					30	
N-MeFOSA	ND	2.25	ng/L		ND					30	
N-EtFOSE	ND	22.5	ng/L		ND					30	
N-EtFOSA	ND	2.25	ng/L		ND					30	



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
<b>Batch BK50609 - EPA 1633 Prep</b>												
<b>Duplicate (BK50609-DUP1)</b>		*Source sample: 25K0086-06 (FMW-35)						Prepared: 11/11/2025 Analyzed: 11/13/2025				
Surrogate: M3PFBS	37.8		ng/L	26.2		144	40-135					
Surrogate: M5PFHxA	36.2		ng/L	28.2		129	40-130					
Surrogate: M4PFHpA	36.2		ng/L	28.2		129	40-130					
Surrogate: M3PFHxS	34.7		ng/L	26.7		130	40-130					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	35.5		ng/L	28.2		126	40-130					
Surrogate: M6PFDA	18.2		ng/L	14.1		129	40-130					
Surrogate: M7PFUdA	16.3		ng/L	14.1		116	30-130					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.5		ng/L	14.1		95.9	10-130					
Surrogate: M2PFTeDA	11.1		ng/L	14.1		78.5	10-130					
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	118		ng/L	113		105	5-130					
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	34.7		ng/L	27.0		129	40-130					
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	73.3		ng/L	56.3		130	40-130					
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	34.6		ng/L	28.2		123	40-130					
Surrogate: d3-N-MeFOSAA	71.8		ng/L	56.3		128	40-170					
Surrogate: d5-N-EtFOSAA	64.4		ng/L	56.3		114	25-135					
Surrogate: M2-6:2 FTS	88.1		ng/L	53.5		165	40-200					
Surrogate: M2-8:2 FTS	78.7		ng/L	54.1		146	40-300					
Surrogate: M9PFNA	18.1		ng/L	14.1		128	40-130					
Surrogate: M2-4:2 FTS	101		ng/L	52.8		191	40-200					
Surrogate: d-N-MeFOSA	25.3		ng/L	28.2		89.9	10-130					
Surrogate: d-N-EtFOSA	23.4		ng/L	28.2		83.1	10-130					
Surrogate: M3HFPO-DA	141		ng/L	113		125	40-130					
Surrogate: d9-N-EtFOSE	238		ng/L	282		84.5	10-130					
Surrogate: d7-N-MeFOSE	246		ng/L	282		87.4	10-130					
<b>Batch BK50978 - EPA 1633 Prep</b>												
<b>Blank (BK50978-BLK1)</b>								Prepared: 11/16/2025 Analyzed: 11/19/2025				
Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L									
Perfluorohexanoic acid (PFHxA)	ND	2.00	ng/L									
Perfluoroheptanoic acid (PFHpA)	ND	2.00	ng/L									
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	ng/L									
Perfluorooctanoic acid (PFOA)	ND	2.00	ng/L									
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	ng/L									
Perfluorononanoic acid (PFNA)	ND	2.00	ng/L									
Perfluorodecanoic acid (PFDA)	ND	2.00	ng/L									
Perfluoroundecanoic acid (PFUnA)	ND	2.00	ng/L									
Perfluorododecanoic acid (PFDoA)	ND	2.00	ng/L									
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	ng/L									
Perfluorotetradecanoic acid (PFTA)	ND	2.00	ng/L									
N-MeFOSAA	ND	2.00	ng/L									
N-EtFOSAA	ND	2.00	ng/L									
Perfluoropentanoic acid (PFPeA)	ND	4.00	ng/L									
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	ng/L									
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	ng/L									
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	ng/L									



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50978 - EPA 1633 Prep</b>											
<b>Blank (BK50978-BLK1)</b>											
Prepared: 11/16/2025 Analyzed: 11/19/2025											
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	ng/L								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	ng/L								
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	ng/L								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	ng/L								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	ng/L								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	ng/L								
HFPO-DA (Gen-X)	ND	8.00	ng/L								
11CL-PF3OUdS	ND	7.56	ng/L								
9CL-PF3ONS	ND	7.48	ng/L								
ADONA	ND	7.56	ng/L								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	ng/L								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	ng/L								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	ng/L								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	ng/L								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	ng/L								
N-MeFOSE	ND	20.0	ng/L								
N-MeFOSA	ND	2.00	ng/L								
N-EtFOSE	ND	20.0	ng/L								
N-EtFOSA	ND	2.00	ng/L								
<i>Surrogate: M3PFBS</i>	39.8		ng/L	23.3		171	40-135				
<i>Surrogate: M5PFHxA</i>	39.0		ng/L	25.0		156	40-130				
<i>Surrogate: M4PFHpA</i>	40.5		ng/L	25.0		162	40-130				
<i>Surrogate: M3PFHxS</i>	36.8		ng/L	23.7		155	40-130				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	39.3		ng/L	25.0		157	40-130				
<i>Surrogate: M6PFDA</i>	20.9		ng/L	12.5		167	40-130				
<i>Surrogate: M7PFUdA</i>	21.4		ng/L	12.5		171	30-130				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	18.3		ng/L	12.5		147	10-130				
<i>Surrogate: M2PFTeDA</i>	16.9		ng/L	12.5		135	10-130				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	150		ng/L	100		150	5-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	38.9		ng/L	24.0		162	40-130				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	79.5		ng/L	50.0		159	40-130				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	38.3		ng/L	25.0		153	40-130				
<i>Surrogate: d3-N-MeFOSAA</i>	81.3		ng/L	50.0		163	40-170				
<i>Surrogate: d5-N-EtFOSAA</i>	77.6		ng/L	50.0		155	25-135				
<i>Surrogate: M2-6:2 FTS</i>	69.5		ng/L	47.6		146	40-200				
<i>Surrogate: M2-8:2 FTS</i>	69.3		ng/L	48.0		144	40-300				
<i>Surrogate: M9PFNA</i>	19.5		ng/L	12.5		156	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50978 - EPA 1633 Prep</b>											
<b>Blank (BK50978-BLK1)</b> <span style="float:right">Prepared: 11/16/2025 Analyzed: 11/19/2025</span>											
Surrogate: M2-4:2 FTS	70.6		ng/L	46.9		150	40-200				
Surrogate: d-N-MeFOSA	38.5		ng/L	25.0		154	10-130				
Surrogate: d-N-EtFOSA	40.6		ng/L	25.0		162	10-130				
Surrogate: M3HFPO-DA	172		ng/L	100		172	40-130				
Surrogate: d9-N-EtFOSE	400		ng/L	250		160	10-130				
Surrogate: d7-N-MeFOSE	380		ng/L	250		152	10-130				
<b>LCS (BK50978-BS1)</b> <span style="float:right">Prepared: 11/16/2025 Analyzed: 11/19/2025</span>											
Perfluorobutanesulfonic acid (PFBS)	32.0	1.77	ng/L	35.4		90.5	60-145				
Perfluorohexanoic acid (PFHxA)	35.0	2.00	ng/L	40.0		87.5	70-145				
Perfluoroheptanoic acid (PFHpA)	35.4	2.00	ng/L	40.0		88.5	70-150				
Perfluorohexanesulfonic acid (PFHxS)	31.4	1.83	ng/L	36.6		85.8	65-145				
Perfluorooctanoic acid (PFOA)	35.8	2.00	ng/L	40.0		89.5	70-150				
Perfluorooctanesulfonic acid (PFOS)	35.0	1.86	ng/L	37.2		94.2	55-150				
Perfluorononanoic acid (PFNA)	35.4	2.00	ng/L	40.0		88.5	70-150				
Perfluorodecanoic acid (PFDA)	35.2	2.00	ng/L	40.0		88.1	70-140				
Perfluoroundecanoic acid (PFUnA)	34.5	2.00	ng/L	40.0		86.2	70-145				
Perfluorododecanoic acid (PFDoA)	38.2	2.00	ng/L	40.0		95.5	70-140				
Perfluorotridecanoic acid (PFTriDA)	36.0	2.00	ng/L	40.0		89.9	65-140				
Perfluorotetradecanoic acid (PFTA)	34.2	2.00	ng/L	40.0		85.5	60-140				
N-MeFOSAA	36.8	2.00	ng/L	40.0		92.1	50-140				
N-EtFOSAA	38.4	2.00	ng/L	40.0		96.0	70-145				
Perfluoropentanoic acid (PFPeA)	70.4	4.00	ng/L	80.0		88.0	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	36.0	2.00	ng/L	40.0		90.0	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	33.7	1.91	ng/L	38.2		88.1	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	32.9	1.93	ng/L	38.6		85.1	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	140	7.60	ng/L	152		92.2	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	140	7.68	ng/L	154		91.2	60-150				
Perfluoro-n-butanoic acid (PFBA)	143	8.00	ng/L	160		89.4	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	69.9	3.56	ng/L	71.2		98.1	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	80.2	4.00	ng/L	80.0		100	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	65.9	4.00	ng/L	80.0		82.4	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	76.6	4.00	ng/L	80.0		95.8	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	33.1	1.88	ng/L	37.6		88.0	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	130	7.50	ng/L	150		86.5	70-145				
HFPO-DA (Gen-X)	76.1	8.00	ng/L	80.0		95.1	70-140				
11CL-PF3OUdS	63.9	7.56	ng/L	75.6		84.5	55-160				
9CL-PF3ONS	66.9	7.48	ng/L	74.8		89.4	70-155				
ADONA	71.2	7.56	ng/L	75.6		94.2	65-145				
Perfluorododecanesulfonic acid (PFDoS)	30.2	1.94	ng/L	38.8		77.9	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	34.6	1.92	ng/L	38.4		90.0	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	161	10.0	ng/L	160		100	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	763	50.0	ng/L	800		95.4	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	768	50.0	ng/L	800		95.9	50-145				
N-MeFOSE	381	20.0	ng/L	400		95.3	70-145				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50978 - EPA 1633 Prep</b>											
<b>LCS (BK50978-BS1)</b>											
Prepared: 11/16/2025 Analyzed: 11/19/2025											
N-MeFOSA	37.9	2.00	ng/L	40.0		94.8	60-150				
N-EtFOSE	387	20.0	ng/L	400		96.8	70-135				
N-EtFOSA	36.6	2.00	ng/L	40.0		91.6	65-145				
Surrogate: M3PFBS	31.9		ng/L	23.3		137	40-135				
Surrogate: M5PFHxA	33.3		ng/L	25.0		133	40-130				
Surrogate: M4PFHpA	32.9		ng/L	25.0		132	40-130				
Surrogate: M3PFHxS	31.2		ng/L	23.7		132	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFDA)	33.7		ng/L	25.0		135	40-130				
Surrogate: M6PFDA	18.4		ng/L	12.5		147	40-130				
Surrogate: M7PFUDA	18.1		ng/L	12.5		145	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.8		ng/L	12.5		126	10-130				
Surrogate: M2PFTeDA	16.0		ng/L	12.5		128	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	133		ng/L	100		133	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	30.4		ng/L	24.0		127	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	66.2		ng/L	50.0		132	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.5		ng/L	25.0		118	40-130				
Surrogate: d3-N-MeFOSAA	59.5		ng/L	50.0		119	40-170				
Surrogate: d5-N-EtFOSAA	57.7		ng/L	50.0		115	25-135				
Surrogate: M2-6:2 FTS	51.3		ng/L	47.6		108	40-200				
Surrogate: M2-8:2 FTS	54.2		ng/L	48.0		113	40-300				
Surrogate: M9PFNA	17.6		ng/L	12.5		141	40-130				
Surrogate: M2-4:2 FTS	57.4		ng/L	46.9		122	40-200				
Surrogate: d-N-MeFOSA	30.7		ng/L	25.0		123	10-130				
Surrogate: d-N-EtFOSA	30.1		ng/L	25.0		120	10-130				
Surrogate: M3HFPO-DA	141		ng/L	100		141	40-130				
Surrogate: d9-N-EtFOSE	290		ng/L	250		116	10-130				
Surrogate: d7-N-MeFOSE	286		ng/L	250		114	10-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50978 - EPA 1633 Prep</b>											
<b>LCS (BK50978-BS2)</b>						Prepared: 11/16/2025 Analyzed: 11/19/2025					
Perfluorobutanesulfonic acid (PFBS)	3.20	1.77	ng/L	3.54		90.5	60-145				
Perfluorohexanoic acid (PFHxA)	3.39	2.00	ng/L	4.00		84.7	70-145				
Perfluoroheptanoic acid (PFHpA)	3.33	2.00	ng/L	4.00		83.2	70-150				
Perfluorohexanesulfonic acid (PFHxS)	3.09	1.83	ng/L	3.66		84.5	65-145				
Perfluorooctanoic acid (PFOA)	3.50	2.00	ng/L	4.00		87.4	70-150				
Perfluorooctanesulfonic acid (PFOS)	3.54	1.86	ng/L	3.72		95.3	55-150				
Perfluorononanoic acid (PFNA)	3.19	2.00	ng/L	4.00		79.7	70-150				
Perfluorodecanoic acid (PFDA)	3.11	2.00	ng/L	4.00		77.8	70-140				
Perfluoroundecanoic acid (PFUnA)	3.52	2.00	ng/L	4.00		88.0	70-145				
Perfluorododecanoic acid (PFDoA)	3.19	2.00	ng/L	4.00		79.7	70-140				
Perfluorotridecanoic acid (PFTrDA)	3.51	2.00	ng/L	4.00		87.7	65-140				
Perfluorotetradecanoic acid (PFTA)	3.48	2.00	ng/L	4.00		87.0	60-140				
N-MeFOSAA	3.08	2.00	ng/L	4.00		77.0	50-140				
N-EtFOSAA	3.50	2.00	ng/L	4.00		87.4	70-145				
Perfluoropentanoic acid (PFPeA)	6.75	4.00	ng/L	8.00		84.4	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	3.59	2.00	ng/L	4.00		89.8	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.85	1.91	ng/L	3.82		101	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.61	1.93	ng/L	3.86		93.4	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	13.1	7.60	ng/L	15.2		86.4	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	12.4	7.68	ng/L	15.4		80.9	60-150				
Perfluoro-n-butanoic acid (PFBA)	13.9	8.00	ng/L	16.0		87.1	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	7.33	3.56	ng/L	7.12		103	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	7.71	4.00	ng/L	8.00		96.4	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	7.22	4.00	ng/L	8.00		90.3	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	8.09	4.00	ng/L	8.00		101	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.41	1.88	ng/L	3.76		90.7	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	12.4	7.50	ng/L	15.0		82.3	70-145				
HFPO-DA (Gen-X)	9.66	8.00	ng/L	8.00		121	70-140				
11CL-PF3OUdS	6.65	7.56	ng/L	7.56		87.9	55-160				
9CL-PF3ONS	7.05	7.48	ng/L	7.48		94.2	70-155				
ADONA	6.84	7.56	ng/L	7.56		90.5	65-145				
Perfluorododecanesulfonic acid (PFDoS)	3.15	1.94	ng/L	3.88		81.2	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	3.80	1.92	ng/L	3.84		99.0	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	15.9	10.0	ng/L	16.0		99.1	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	78.2	50.0	ng/L	80.0		97.8	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	75.6	50.0	ng/L	80.0		94.5	50-145				
N-MeFOSE	40.0	20.0	ng/L	40.0		99.9	70-145				
N-MeFOSA	3.85	2.00	ng/L	4.00		96.4	60-150				
N-EtFOSE	41.0	20.0	ng/L	40.0		102	70-135				
N-EtFOSA	4.08	2.00	ng/L	4.00		102	65-145				
Surrogate: M3PFBS	29.8		ng/L	23.3		128	40-135				
Surrogate: M5PFHxA	30.8		ng/L	25.0		123	40-130				
Surrogate: M4PFHpA	31.4		ng/L	25.0		126	40-130				
Surrogate: M3PFHxS	27.9		ng/L	23.7		118	40-130				



**PFAS Target compounds by LC/MS-MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50978 - EPA 1633 Prep</b>											
<b>LCS (BK50978-BS2)</b>											
Prepared: 11/16/2025 Analyzed: 11/19/2025											
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	30.6		ng/L	25.0		122	40-130				
Surrogate: M6PFDA	15.1		ng/L	12.5		121	40-130				
Surrogate: M7PFUdA	15.7		ng/L	12.5		125	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	14.3		ng/L	12.5		114	10-130				
Surrogate: M2PFTeDA	13.5		ng/L	12.5		108	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	122		ng/L	100		122	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	28.9		ng/L	24.0		121	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	61.6		ng/L	50.0		123	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	28.7		ng/L	25.0		115	40-130				
Surrogate: d3-N-MeFOSAA	59.9		ng/L	50.0		120	40-170				
Surrogate: d5-N-EtFOSAA	61.1		ng/L	50.0		122	25-135				
Surrogate: M2-6:2 FTS	53.2		ng/L	47.6		112	40-200				
Surrogate: M2-8:2 FTS	51.6		ng/L	48.0		107	40-300				
Surrogate: M9PFNA	15.8		ng/L	12.5		127	40-130				
Surrogate: M2-4:2 FTS	56.4		ng/L	46.9		120	40-200				
Surrogate: d-N-MeFOSA	30.4		ng/L	25.0		122	10-130				
Surrogate: d-N-EtFOSA	30.3		ng/L	25.0		121	10-130				
Surrogate: M3HFPO-DA	136		ng/L	100		136	40-130				
Surrogate: d9-N-EtFOSE	299		ng/L	250		120	10-130				
Surrogate: d7-N-MeFOSE	286		ng/L	250		114	10-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BK50471 - Preparation for GC Analysis</b>											
<b>Blank (BK50471-BLK1)</b>						Prepared & Analyzed: 11/08/2025					
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	mg/L								
Surrogate: 1,4-Butanediol	ND		mg/L				30-130				
<b>Duplicate (BK50471-DUP1)</b>						*Source sample: 25K0086-09 (Field Blank) Prepared & Analyzed: 11/08/2025					
Ethylene Glycol	ND	10.0	mg/L		ND					25	
Propylene Glycol	ND	10.0	mg/L		ND					25	
Surrogate: 1,4-Butanediol	ND		mg/L				30-130				



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
25K0086-02	XDDMW-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25K0086-03	MW-59D	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25K0086-07	FMW-40	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25K0086-08	FMW-31	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25K0086-09	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25K0086-10	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



### Sample and Data Qualifiers Relating to This Work Order

S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
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-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.
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.
/\	Analyte is not certified but the state of sample origination offer certification for the Analyte

### 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.

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# Field Chain-of-Custody Record

ALS Standard Terms & Conditions are listed on the back side of this document. This legal document serves as your written authorization for ALS to proceed with the analyses requested below. Your signature binds you to ALS' Standard Terms & Conditions.

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ALS Project Number  
**25K-0080**

<b>Report To:</b> Company: <b>WSP</b> Address: <b>500 Summit Lane</b> <b>Village NY</b> Phone: <b>914 329 1392</b> Contact: <b>John Benigno</b> E-mail: <b>John.Benigno@wsp.com</b>		<b>Invoice To:</b> Company: Address: Phone: Contact: E-mail:		<b>YOUR Project Name / Number</b> <b>Westchester County Airport</b> <b>(WCA)</b> <b>PO Number</b> <b>US0033899.2856</b>		<b>Samples Collected From</b> NY <input checked="" type="checkbox"/> CT <input type="checkbox"/> PA <input type="checkbox"/> NJ <input type="checkbox"/> Other: (please specify)		<b>Turn-Around Time</b> RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day RUSH - Five Day Standard (6-9 Day) PFAS Standard 7-10 Day <input checked="" type="checkbox"/>			
<b>Matrix Codes</b> S - soil/solid/sludge GW - groundwater DW - drinking water SW - surface water WW - wastewater O - Oil Other:		<b>Preservative</b> (please list number of containers) HCl (hydrochloric acid) MeOH (methanol) HNO <sub>3</sub> (nitric acid) H <sub>2</sub> SO <sub>4</sub> (sulfuric acid) NaOH (sodium hydroxide) Na <sub>2</sub> O <sub>3</sub> (sodium thio) Trizma Ammonium Acetate Other:		<b>Analyses Requested</b> PFAS 1633 8260 full list 1-4, Dioxene Glycols		<b>Report Type (circle)</b> QA Report Summary (Results Only) <b>NY ASP B Package</b> NJ Reduced NJ DKQP NJ Full CT RCP		<b>EDD Type (circle)</b> EQUIS (standard) <b>NYSDEC EQUIS</b> NJDEP SRP Haz Site Standard Excel CMDP Other:		<b>Regulatory Comparative</b> Compared to the following Regulation(s): (please fill in)	
<b>Sample Identification</b> XDDMW-11 XDDMW-10 MW-591D MW-58D MW-56D FMW-35 FMW-40 FMW-31 Field Blank Trip Blank		<b>Date</b> 11/3/25 11/3/25 12/00 12/45 1330 1415 1455 1530 1550 -		<b>Time</b> 6:45 1:00 12:00 12:45 13:30 14:15 14:55 15:30 15:50 -		<b>Matrix</b> GW GW GW GW GW GW GW GW GW GW		<b>Field Filtered</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<b>Lab Filtered</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

**Comments:**

Lab Sample Receiving Checklist (to be completed by the receiving laboratory only) Circle Y / N

Custody Seals:  Y  N Containers Intact:  Y  N COCL Labels Agree:  Y  N Preservation Confirmed:  Y  N

COC Complete:  Y  N Appropriate Sample Volumes:  Y  N Appropriate Sample Containers:  Y  N

Cooler Temperature Confirmed:  Y  N Samples Submitted within Holding Times:  Y  N Corrective Action Form Required:  Y  N

1. Samples iced/chilled at time of lab pickup? circle Yes or No  
 2. Samples Relinquished by / Company  
 3. Samples Received by / Company  
 4. Samples Relinquished by / Company

Date/Time: 11/3/25 6:00  
 Date/Time: 11/4 10:18  
 Date/Time: 11/4 17:15

Temperature: 4.9 Degrees C