June 24, 2022

John M. Nonna Esq.
Westchester County Attorney
148 Martine Ave, 6th Floor
White Plains, NY 10601

Via Electronic Transmission

RE: Westchester County Airport
April 2022 Groundwater Sampling Results

Dear Mr. Nonna:

This letter presents results for the first semi-annual groundwater sampling event of 2022 at the Westchester County Airport, which was completed between April 11th and 15th. The sampling is part of a groundwater monitoring program reinstated by the County in August 2018; the previous program ran from 2001 – 2011. The monitoring program was reinstated in response to a November 2017 sampling event that confirmed the presence of per and polyfluoroalkyl substances (PFAS) in several airport monitor wells. PFAS are components of Class B Aqueous Film Forming Foams (AFFF). Different types of these foams including legacy PFOS based AFFF and fluorotelomer AFFF, have been used at the airport over a period of years during fire training activities. These activities were first conducted by the Air National Guard (ANG), a former tenant who left the site in 1983, and later by the airport in compliance with FAA regulations. PFAS are considered an emerging contaminant and they are being found at sites, including airports, across the country.

The April 2022 sampling event included a total of 44 wells of which 41 were sampled for PFAS. In addition, samples from selected wells were analyzed for volatile organic compounds (VOCs), 1,4-dioxane and glycols. VOCs and glycols are related to ongoing airport operations and were analyzed as part of the previous groundwater monitoring program. 1,4-Dioxane is also an emerging contaminant, most commonly associated with solvent releases. Table 1 lists the sampled wells and associated analytes for each well. Beginning in October 2021, 15 new wells were added to the sampling program. These wells were installed in 2020 as part of a site characterization investigation and they have replaced some of the older, previously sampled wells. Wells removed from the program were either damaged or are located in close proximity to other wells resulting in redundant data. These wells still physically exist and can be added back into the program, if needed.

The sampling results, which are described in detail below, show the presence of PFAS in 40 out of 41 samples. The highest concentrations were detected in the northern part of the site, in the vicinity of the former ANG fire training area (burn pit), which is the suspected primary PFAS source area. Other PFAS source areas have been identified onsite including Hangar E in the southern part of the site and the current fire training area in the southeastern corner of the property. 1,4-Dioxane was detected in wells in and around Hangars D and E. VOC and glycol results are generally consistent with historical data and known onsite release areas. In response to the PFAS detections and pursuant to a consent order between Westchester County and the NYSDEC, a site-wide investigation was completed in 2020 and implementation of interim remedial measures are currently in progress. In April 2020, the airport was accepted into the NYS Brownfield Cleanup Program. Additional site investigation and remediation work will continue under this program beginning sometime this year.

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SAMPLING RESULTS

The sampled wells include wells completed in the shallow unconsolidated aquifer and the underlying bedrock aquifer. Wells in the shallow aquifer range between 6 and 60 feet deep while the bedrock wells are between 25 and 96 feet deep. All wells were sampled with dedicated, disposable, HDPE (PFAS free) bailers. Prior to sampling, the wells were purged of three standing volumes of water, or until dry, using either HDPE bailers or a PFAS-free submersible pump with dedicated HDPE tubing. The samples were collected in laboratory-prepared containers and were kept cold until delivery to the laboratory. The samples were analyzed by York Analytical Laboratories of Stratford, CT, a New York State certified laboratory. The analytical results are summarized on Tables 2 through 8 and Figures 1 through 3. Copies of the laboratory reports are attached in the Appendix of the electronic version of this report. Category B, ASP deliverables were prepared for each report and are available upon request. Water-level measurements were made in each well prior to sampling. These data were used to calculate groundwater elevations and prepare groundwater contour maps, which are presented on Table 9 and Figures 4 and 5.

Per and Polyfluoroalkyl Substances (PFAS)

PFAS were analyzed by EPA Method 537-M which currently includes 21 individual substances. Two of those substances, perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) were common components of legacy, PFOS based AFFF and are contaminants of concern at sites where legacy AFFF was used. As of 2002, these foams are no longer manufactured in the US due to the toxicity of PFOS and PFOA and their persistence in the environment. Promulgated Federal water-quality standards applicable to PFAS impacted groundwater do not currently exist. An EPA lifetime health advisory level (guidance value) for drinking water of 70 ppt (parts per trillion, equivalent to nanograms per liter (ng/l)) was published in 2016 for the combined concentration of PFOA and PFOS. As of June 2022, EPA issued interim updated drinking water health advisories for PFOA and PFOS of 0.004 and 0.02 ppt respectively. In 2020, New York State promulgated Maximum Contaminant Levels (MCLs) for PFOA and PFOS in public drinking water supplies of 10 ng/l each.

As shown on Table 2 and Figure 1, PFAS, including PFOS and PFOA, were detected in samples from 40 wells. The highest concentrations of total PFAS (includes all detected PFAS) were detected in wells FMW-6, MW-63 and FMW-7 (Table 3). Total PFAS concentrations in these wells ranged from 21,366 to 27,344 ng/l. The highest concentrations of PFOS and PFOA were detected in the same wells and ranged from 636 to 15,200 ng/l (Table 3).

Wells FMW-6, FMW-7 and MW-63 are located in the shallow aquifer in the northern part of the airport near the former ANG burn pit, which is the suspected primary PFAS source area for the site (Figure 1). Wells FMW-6 and FMW-7 have ranked in the top three wells with the highest PFAS concentrations since the first sampling event in 2018 (Tables 3 and 4). The high percentage (24 – 56 percent) of PFOS in these wells, relative to the total PFAS concentration, is consistent with a legacy, PFOS based AFFF.

In general, PFAS concentrations decrease across the site from north to south. Exceptions to this include two other source areas in the southern part of the property, the current fire training area and Hangar E. Well MW-58D is one of the new wells installed in 2020. This well is located at the current fire training area in the southeastern corner of the property (Figure 1). The high concentration of total PFAS detected in this well (10,339 ng/l) in comparison to upgradient wells, indicates a secondary PFAS source area that is not related to the former Burn Pit. Additionally, the predominant substances detected in MW-58D (making up 66 percent of the total) are PFPeA (Perfluoropentanoic acid) and 6:2 FTS (1H,1H,2H,2H-Perfluorooctanesulfonic acid) (see laboratory report 22D0730 in the Appendix).

The predominance of PFPeA and 6:2 FTS is consistent with a fluorotelomer type AFFF, which is different from the PFOS based AFFF associated with the former ANG Burn Pit. Fluorotelomer foams replaced legacy PFOS based foams and, while they are considered less toxic and less persistent in the environment, they still contain PFAS including low levels of PFOS and PFOA. The sample from MW-58D contained 268 ng/l of PFOS and 354 ng/l of PFOA (Table 2). FAA regulations require regular testing of the airports firefighting apparatus. In the past, this involved spraying foam from the fire trucks so it could be tested to ensure compliance with required specifications. This practice took place at the current fire training area. Changes in equipment and testing methods have eliminated the need to release foam to the environment during testing.

Similar to well MW-58D, results for Hangar E wells MW-1 and MW-4, at the southern end of the airport, support a separate source area in the immediate vicinity of the Hangar. As shown on Figure 1, total PFAS concentrations in the Hangar E wells were significantly higher in comparison to other wells in this area (FMW-24, FMW-25 and FMW-26). The predominant substance detected in the Hangar E wells, ranging between 46 and 60 percent of total PFAS, is PFPeA indicating a fluorotelomer type AFFF as the source. Reportedly, an accidental discharge of foam from a tenant owned fire suppression system occurred inside Hangar E sometime in 1999 – 2000.

Figure 2 presents graphs of total PFAS concentrations over time for select wells from August 2018 through April 2022. As shown on the graphs, PFAS concentrations in individual wells tend to fluctuate within a defined range. In some wells, concentrations fluctuate in conjunction with seasonal groundwater level changes (FMW-15, FMW-31, FMW-26). Concentrations in bedrock wells tend to show more stable trends in comparison to wells in the unconsolidated, shallow aquifer. Several wells show total PFAS concentrations decreasing over time (FMW-17, FMW-31 FMW-6). This is consistent with the fact that use of the Burn Pit ceased in the late 1990s and approximately 2,800 tons of soil were excavated from that area in 2000. Some wells including FMW-6 and FMW-7 show concentration increases between October 2020 and October 2021. These increases are believed to be related to the disturbance of soil near these wells associated with the OF-7 storm drain replacement activities which began in July 2021. The storm drain replacement is a remedial measure designed to address PFAS impacts to surface water leaving the northern portion of the property. FMW-6 shows a significant decrease in concentration for the current April sampling round. We anticipate PFAS concentrations in the surrounding area will return to baseline levels now that the storm drain replacement project is completed.

The New York State Department of Environmental Conservation (NYSDEC) has issued guidance for the assessment of PFAS at sites where investigations are required pursuant to a State remedial program. The most recent draft version is dated June 2022. The guidance states that PFOS and PFOA should be considered potential contaminants of concern if either is detected in a groundwater or surface water sample at or above 10 ng/l and the source is determined to be attributable to the site. As stated previously, a site-wide investigation and implementation of remedial measures are currently in progress at the airport in response to onsite PFAS detections and, pursuant to a consent order between Westchester County and the NYSDEC.

1,4-Dioxane

1,4-Dioxane is an emerging contaminant and there are no known current or historical activities at the airport that would have involved the use of this chemical. However, 1,4-dioxane is used as a stabilizer in the manufacturing of chlorinated solvents and is commonly found at sites with solvent contamination. There are two areas of solvent contamination at the airport associated with historical tenant releases in Hangars D and E. Sampling results from August 2018 to the current round, which are summarized on Table 5 and Figure 3, confirm the presence of 1,4-dioxane in groundwater at both locations.

During April 2022, four wells were analyzed for 1,4-dioxane and it was detected in all four. Two of those wells are located in and around Hangar D (MW-7S, XDDMW-11) and two are located in Hangar E (MW-1 & MW-4). As shown on Table 5, 1,4-dioxane concentrations in these wells range from 5.17 to 920 ug/l (micrograms per liter).

As shown on Figure 3, the presence of 1,4-dioxane at the site appears to be isolated to these two locations, both with historical solvent releases related to former tenants and both currently being remediated. Results for 37 other wells sampled at different locations around the airport show no detections of 1,4-dioxane (Figure 3). Promulgated Federal or State water-quality standards for 1,4-dioxane in groundwater do not currently exist. In 2020, New York State promulgated a MCL of 1.0 ug/l for public drinking water supplies.

Volatile Organic Compounds (VOCs)

VOCs are a class of chemicals that include petroleum constituents and chlorinated solvents. These compounds were analyzed as part of the 2001-2011 groundwater monitoring program resulting in a 10-year baseline of data for comparison. Based on this historical data, 17 wells were selected for analyses of VOCs as part of the April 2022 sampling round (Table 1). VOCs were detected in samples from 15 wells of which 4 contained concentrations above groundwater standards (Table 6). Of those four wells, one is located in Hangar D (MW-7S) and one is located in Hangar E (MW-1). As noted previously, Hangars D and E have chlorinated solvent problems associated with historical tenant releases. The remaining two wells include FMW-14 and FMW-23.

Well FMW-14 is 15 feet deep and is located in the northwestern part of the airport. This well has a history of VOC detections going back to 2002. Currently, chlorobenzene is the only compound that remains detectable above water-quality standards (Table 6). It was detected at 10 ug/l and the water quality standard is 5 ug/l. The source of VOCs in this well is unknown, however, this well is located in a low-lying field adjacent to airport roadways making it susceptible to stormwater runoff.

Well FMW-23 is a 43-foot deep bedrock well located in the former burn pit area in the northern part of the airport. The solvent cis-1,2-dichloroethylene has been detected above standards since the monitoring program re-started in 2018. This well has a history of cis-1,2-dichloroethylene and vinyl chloride detections dating back to 2001. These compounds are degradation products of the chlorinated solvents perchloroethylene (PCE) and trichloroethylene (TCE). The source of these detections is unknown, however, these compounds are present in wells located in other nearby areas of the airport including Hangar D (a known solvent release site) and the former ANG site, which was part of the States Voluntary Cleanup program (Site No. V00499).

The former ANG site is located in the northern part of the airport in the vicinity of Hangar 6 (NetJets). The compounds cis-1,2-dichloroethylene, trans-1,2-dichloroethylene and vinyl chloride (PCE and TCE degradation products) had a history of detections above standards in one well in this area, FMW-34R. Site investigations in 2003 and 2004 found no source area at the ANG site that could be linked to these detections. Well FMW-34R is believed to have been destroyed, however, several other wells in this area are included in the sampling program (DPWMW-3, FMW-12, FMW-31 and FMW-40). As shown on Table 6, the solvent detections in these wells over the last two years have been of acetone, cis-1,2-dichloroethylene and vinyl chloride, below groundwater standards. The detections of 1,2,4-trimethylbenzene and other petroleum constituents in FMW-31 are believed to be related to surface-water runoff infiltrating the well. This well is located flush to grade in a paved area where private planes and vehicles are often parked.

VOCs were also previously associated with another Voluntary Cleanup Site at the airport, the Former Hangar B site (No. V00611) located in the mid-western part of the airport. The Hangar B site was remediated for solvents in 2005 including TCE and 1,1-dichloroethane. The wells in this area (MWs 42 – 49) were incorporated into the 2001 - 2011 groundwater monitoring program for post-remediation

monitoring and, lingering detections of MTBE associated with closed NYSDEC Spill No. 98-11689. Due to a lack of detections of site-related solvents (TCE and 1,1-dichloroethane) in this area, the only Hangar B well still monitored is MW-43. As shown on Table 6, MTBE was detected in well MW-43 at 3.2 ug/l, which is below the standard of 10 ug/l.

Glycols

Ethylene and propylene glycol (glycols) are associated with deicing fluid. Samples from seven wells were selected to be analyzed for glycols because the wells are located near areas where deicing fluid is used or stored (Table 1). Glycols were not detected in any of the sampled wells (Table 2).

In April 2021, Propylene glycol was detected in groundwater for the first time in a sample from FMW-25. This well is located in the southwestern corner of the airport near Outfall No. 4 and Hangar T (Figure 1). The detected concentration was 25.6 mg/l (milligrams per liter). Currently, a standard or guidance value for propylene glycol in groundwater does not exist. Due to the fact that this was a first-time detection, the well was resampled for glycols in May 2021 for confirmation and propylene glycol was not detected. Propylene glycol also was not detected in either the October 2021 or April 2022 samples from FMW-25.

Quality Assurance/Quality Control

As part of the sampling protocol, duplicates, field blanks, trip blanks, matrix spike and matrix spike duplicate samples (MS/MSD) were collected. Field blanks were collected daily and trip blanks were collected whenever VOC samples were collected. All others were collected at a rate of one for every 20 samples per analyte class. Results for the duplicates and blanks are summarized on Tables 7 and 8. Results for the MS/MSD samples are included with the laboratory reports in the Appendix.

Table 7 presents results for duplicate samples. Duplicates are a second sample collected from a single location, submitted to the laboratory with a different sample identification number to confirm laboratory accuracy. While some variability is expected, results for the original and duplicate samples should be similar. Duplicate samples were collected on April 12th and 13th and the results show good correlation with a few minor exceptions that are not considered significant.

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

PFAS were not detected in any of the field blanks. Methylene chloride was detected in all the field blanks analyzed for VOCs. The concentrations ranged between 6.0 and 9.8 ug/l. Methylene chloride is a common laboratory contaminant and was likely introduced to the samples in the laboratory. As a result, any methylene chloride detections in site samples at similar concentrations can be disregarded as a laboratory artifact. The only well in which this occurred was DPWMW-3 where methylene chloride was detected at 2.9 ug/l.

1,4-Dioxane was detected in the April 12th field blank sample at 0.608 ug/l. This concentration is much lower than concentrations of 1,4-dioxane detected in any of the well samples. As a result, any cross contamination that may have occurred would not have significantly influenced the sample results.

There were no detections in any of the trip blanks.

Groundwater Flow

Groundwater elevation data are presented on Table 9 and Figures 4 and 5. Groundwater elevations across the site in the shallow, unconsolidated aquifer ranged from a high of 430.34 ft msl (feet above mean sea level) in the northern part of the site at DPWMW-3, to a low of 350.93 ft msl in the southeastern part of the site at MW-58D. In the bedrock aquifer, elevations ranged from a high of 423.72 ft msl at FMW-23 (north) to a low of 381.60 ft msl in MW-56D (west).

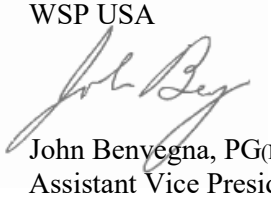
The direction of groundwater flow across the site varies as a result of a major drainage basin divide that runs through the property. Approximately three quarters of the site lie within the Blind Brook Drainage Basin which drains to the south. The remainder lies in the Rye Lake sub-basin and drains westerly towards Rye Lake, approximately 600 feet west of the airport. Groundwater flow in the Blind Brook Basin is primarily south to southeast. Groundwater flow within the Rye Lake basin flows primarily northwest to southwest.

The direction of groundwater flow and the observed elevations measured during April 2022 are consistent with historical data showing little change over time outside of normal seasonal variations. Groundwater elevations in DPWMW-3 and FMW-23 (wells with the highest elevations) measured in May 2006 were 431.22 and 422.73 ft msl respectively, compared to the current measurements of 430.34 and 423.72 ft msl.

The next semi-annual sampling round will be scheduled in October 2022. If you have any questions, please feel free to contact me at (914) 461-2961.

Kind regards,

WSP USA



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Enclosures
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TABLES

TABLE 1

WESTCHESTER COUNTY AIRPORT

Sample Analyte Matrix - April 2022

Well (BR) = Bedrock Well	PFAS	Volatile Organics	1,4-Dioxane	Glycols*	Well Depth (ft btoc)
DPW-2	X	X			11.30
DPWMW-3	X	X		X	14.00
FMW-2R	X				11.80
FMW-3	X				15.10
FMW-6	X				11.20
FMW-7	X				9.55
FMW-8	X	X			11.00
FMW-14	X	X			15.45
FMW-15	X				14.90
FMW-16	X	X			15.80
FMW-17	X				9.48
FMW-23 (BR)	X	X			42.30
FMW-24	X			X	8.50
FMW-25	X	X		X	12.80
FMW-26	X				15.80
FMW-31	X	X			19.65
FMW-35 (BR)	X				57.50
FMW-37				X	13.40
FMW-39	X	X		X	6.30
FMW-40	X	X			12.70
MW-3	**WATER LEVEL ONLY**				17.50
MW-7S (BR)	X	X	X		24.65
MW-43 (BR)	X	X			67.22
MW-44	X				18.10
MW-51 (BR)	X				52.00
MW-52 (BR)	X				72.00
MW-53 (BR)	X				96.00
MW-54 S	X				12.85
MW-54 D (BR)	X				80.00
MW-55 S	X				18.00
MW-55 D (BR)	X				50.80
MW-56 S	X	X			12.80
MW-56 D (BR)	X				83.90
MW-57 (BR)	X				81.70
MW-58 S	**WELL DRY - NO SAMPLE**				21.50
MW-58 D	X				60.00
MW-59 S	X				14.40
MW-59 D (BR)	X	X			81.60
MW-60 (BR)	X				80.00
MW-61	X				12.00
MW-63	X				15.00
XDDMW-10 (BR)		X			60.00
XDDMW-11 (BR)	X		X	X	41.30
Hangar E MW-1	X	X	X	X	20.00
Hangar E MW-4	X	X	X		20.00

(ft btoc) - Feet Below Top of Casing

TABLE 2

WESTCHESTER COUNTY AIRPORT

Sampling Results Summary - April 2022

(see table 6 for volatile organics)

Well (BR) = Bedrock	Total PFAS (ng/l)	PFOS (ng/l)	PFOA (ng/l)	1,4-Dioxane (ug/l)	Glycols (mg/l)	Well Depth (ft btoc)
DPW-2	29	2	3	**	**	11.30
DPWMW-3	13	ND	ND	**	ND	14.00
FMW-2R	24	5	4	**	**	11.80
FMW-3	23	13	ND	**	**	15.10
FMW-6	21,366	5,160	1,130	**	**	11.20
FMW-7	27,344	15,200	636	**	**	9.55
FMW-8	3,497	1,610	271	**	**	11.00
FMW-14	314	93	51	**	**	15.45
FMW-15	130	19	8	**	**	14.90
FMW-16	710	329	41	**	**	15.80
FMW-17	791	463	31	**	**	9.48
FMW-23 (BR)	1,671	328	84	**	**	42.30
FMW-24	101	10	30	**	ND	8.50
FMW-25	26	6	10	**	ND	12.80
FMW-26	32	9	9	**	**	15.80
FMW-31	6,141	4,460	80	**	**	19.65
FMW-35 (BR)	246	127	19	**	**	57.50
FMW-37	**	**	**	**	ND	13.40
FMW-39	ND	ND	ND	**	ND	6.30
FMW-40	2,047	938	82	**	**	12.70
MW-3	**	**	**	**	**	17.50
MW-7S (BR)	324	103	50	18	**	24.65
MW-43 (BR)	680	201	56	**	**	67.22
MW-44	530	83	63	**	**	18.10
MW-51 (BR)	579	75	36.5	**	**	52.00
MW-52 (BR)	30	ND	3	**	**	72.00
MW-53 (BR)	736	304	42	**	**	96.00
MW-54 S	4	ND	ND	**	**	12.85
MW-54 D (BR)	4,100	248	97	**	**	80.00
MW-55 S	3,824	1,510	52	**	**	18.00
MW-55 D (BR)	1,680	495	20	**	**	50.80
MW-56 S	353	100	66	**	**	12.80
MW-56 D (BR)	5	ND	2	**	**	83.90
MW-57 (BR)	6	4	2	**	**	81.70
MW-58 S	**	**	**	**	**	21.50
MW-58 D	10,339	268	354	**	**	60.00
MW-59 S	60	5	4	**	**	14.40
MW-59 D (BR)	97	18	11	**	**	81.60
MW-60 (BR)	4,575	261	117	**	**	80.00
MW-61	148	69	11	**	**	12.00
MW-63	21,368	10,800	1,730	**	**	15.00
XDDMW-10 (BR)	**	**	**	**	**	60.00
XDDMW-11 (BR)	458	65	29	5.17	ND	41.30
Hangar E MW-1	5,890	12	294	920	ND	20.00
Hangar E MW-4	12,317	88	582	25.2	**	20.00

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

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

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

(ft btoc) - Feet Below Top of Casing

** - Not Analyzed

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

TABLE 3
WESTCHESTER COUNTY AIRPORT
Historical Results by Total PFAS Concentration

APRIL 2021				
Total PFAS (ng/l)	PFOS (ng/l)	PFOA (ng/l)	Well (BR) = Bedrock	Well Depth (ft btoc)
46,629	12,800	2,620	FMW-6	12.00
13,947	8,330	336	FMW-7	12.00
6,988	4,300	173	FMW-31	21.50
4,812	820	187	FMW-13R	17.55
4,603	3	316	Hangar E MW-1	15.92
4,117	84	481	Hangar E MW-4	15.80
3,649	2,240	69	FMW-37	13.40
3,368	1,770	254	FMW-8	12.00
2,533	2,030	101	UW-1	15.00
1,834	873	69	FMW-40	12.70
1,807	477	112	FMW-23 (BR)	43.00
1,787	301	120	WW-1 (BR)	62.10
1,662	24	197	Hangar E MW-2	17.31
1,008	370	89	FMW-12	19.50
806	248	59	FMW-16	15.77
630	510	5	FMW-17	12.00
504	166	26	FMW-1R	14.00
503	66	29	XDDMW-11(BR)*	40.00
500	122	48	MW-43 (BR)	67.90
372	15	23	MW-48 (BR)	70.93
331	139	13	XDDMW-13 (BR)	39.15
299	12	23	DPW-2	12.25
278	48	66	FMW-14	15.45
264	45	31	MW-47	18.29
249	68	26	MW-10S (BR)	37.00
220	91	20	FMW-35 (BR)	57.50
218	22	15	FMW-15	14.87
206	83	16	MW-17S (BR)	31.70
189	22	19	PAR - 03	10.75
170	29	13	BRMW-1 (BR)	45.10
82	41	4	FMW-3	14.40
66	4	4	FMW-36 (BR)	51.50
47	6	22	FMW-24	9.00
42	4	13	FMW-2R	12.00
19	2	3	FMW-39	6.30
18	4	8	FMW-25	16.00
15	4	6	FMW-11	9.50
11	4	ND	DPWMW-3	14.00
11	6	5	FMW-26	16.20

OCTOBER 2021				
Total PFAS (ng/l)	PFOS (ng/l)	PFOA (ng/l)	Well (BR) = Bedrock	Well Depth (ft btoc)
73,450	20,500	1,980	FMW-6	12.00
32,369	669	595	MW-58 D	60.00
18,603	5,800	768	FMW-7	12.00
8,139	5,150	194	FMW-31	21.50
5,374	6	185	Hangar E MW-1	15.92
5,074	65	469	Hangar E MW-4	15.80
3,759	1,540	367	FMW-8	12.00
3,439	167	107	MW-60 (BR)	80.00
2,737	276	83	MW-54 D (BR)	80.00
2,611	797	52	MW-55 S	18.00
2,068	1,480	26	FMW-17	12.00
1,480	448	80	FMW-23 (BR)	43.00
1,474	553	69	FMW-40	12.70
1,150	376	13	MW-55 D (BR)	50.80
1,125	377	54	MW-53 (BR)	96.00
1,076	256	252	MW-56 S	12.80
1,070	544	48	FMW-16	15.77
658	69	42	FMW-15	14.87
587	162	45	MW-43 (BR)	67.90
430	60	28	XDDMW-11 (BR)	40.00
280	98	19	MW-7S (BR)	25.00
279	71	47	FMW-14	15.45
265	125	19	FMW-35 (BR)	57.50
239	18	13	DPW-2	12.25
224	9	7	MW-52 (BR)	72.00
221	41	26	MW-51 (BR)	52.00
144	75	3	FMW-39	6.30
132	62	8	FMW-3	14.40
125	9	3	MW-54 S	12.85
82	6	7	MW-59 S	14.40
45	7	19	FMW-24	9.00
37	13	6	MW-59 D (BR)	81.60
36	13	8	FMW-26	16.20
34	11	2	DPWMW-3	14.00
34	7	8	FMW-25	16.00
24	6	6	FMW-2R	12.00
6	2	2	MW-56 D (BR)	83.90
5	3	ND	MW-57 (BR)	81.70

April 2022				
Total PFAS (ng/l)	PFOS (ng/l)	PFOA (ng/l)	Well (BR) = Bedrock	Well Depth (ft btoc)
27,344	15,200	636	FMW-7	9.55
21,368	10,800	1,730	MW-63	15.00
21,366	5,160	1,130	FMW-6	11.20
12,317	88	582	Hangar E MW-4	20.00
10,339	268	354	MW-58 D	60.00
6,141	4,460	80	FMW-31	19.65
5,890	13	294	Hangar E MW-1	20.00
4,575	261	117	MW-60 (BR)	80.00
4,100	248	97	MW-54 D (BR)	80.00
3,824	1,510	52	MW-55 S	18.00
3,497	1,610	271	FMW-8	11.00
2,047	938	82	FMW-40	12.70
1,680	495	20	MW-55 D (BR)	50.80
1,671	328	84	FMW-23 (BR)	42.30
791	463	31	FMW-17	9.48
736	304	42	MW-53 (BR)	96.00
710	329	41	FMW-16	15.80
680	201	56	MW-43 (BR)	67.22
579	75	36.5	MW-51 (BR)	52.00
530	83	63	MW-44	18.10
458	65	29	XDDMW-11 (BR)	41.30
353	100	66	MW-56 S	12.80
324	103	50	MW-7S (BR)	24.65
314	93	51	FMW-14	15.45
246	127	19	FMW-35 (BR)	57.50
148	69	11	MW-61	12.00
130	19	8	FMW-15	14.90
101	10	30	FMW-24	8.50
97	18	11	MW-59 D (BR)	81.60
60	5	4	MW-59 S	14.40
32	9	9	FMW-26	15.80
30	ND	3	MW-52 (BR)	72.00
29	2	3	DPW-2	11.30
26	6	10	FMW-25	12.80
24	5	4	FMW-2R	11.80
23	13	ND	FMW-3	15.10
13	ND	ND	DPWMW-3	14.00
6	4	2	MW-57 (BR)	81.70
5	ND	2	MW-56 D (BR)	83.90
4	ND	ND	MW-54 S	12.85
ND	ND	ND	FMW-39	6.30

(ft btoc) feet below top of casing
ND - Not Detected (see lab report for detection limits)
(ng/l) - nanograms per liter (equivalent to parts per trillion)
*April 2021 results for XDDMW-11 from 5/20/21 re-sampling event.

TABLE 4
WESTCHESTER COUNTY AIRPORT
Historical PFAS Results by Well

Well (BR) = Bedrock	Total PFAS (ng/l)								Well Depth (ft btoc)
	Aug. 2018	March 2019	Oct. 2019	April May 2020	Oct. 2020	April 2021	Oct. 2021	April 2022	
BRMW-1 (BR)	163	215	176	146	146	170	**	**	45.10
BRMW-2 (BR)	284	416	436	131	359	**	**	**	45.75
DPW-2	275	198	387	74	238	299	239	29	12.25
DPWMW-3	37	35	6.0	21	2.0	11	34	13	14.00
FMW-1R	638	1,449	469	433	816	504	**	**	14.00
FMW-2R	35	23	31	40	3	42	24	24	12.00
FMW-3	128	223	123	113	78	82	132	23	14.40
FMW-6	57,390	44,228	37,229	36,094	29,068	46,629	73,450	21,366	11.85
FMW-7	31,983	28,424	34,645	14,993	10,115	13,947	18,603	27,344	12.00
FMW-8	3,104	5,223	3,998	4,713	2,498	3,368	3,759	3,497	12.00
FMW-11	50	44	60	21	52	15	**	**	9.50
FMW-12	1,270	1,533	1,582	1,000	1,150	1,008	**	**	19.50
FMW-13R	6,400	4,342	5,574	3,190	3,202	4,812	**	**	17.55
FMW-14	346	492	350	298	198	278	279	314	15.45
FMW-15	305	103	373	179	497	218	658	130	14.87
FMW-16	899	769	624	843	950	806	1,070	710	15.77
FMW-17	7,407	4,412	3,753	4,369	2,197	630	2,068	791	12.00
FMW-23 (BR)	1,735	1,843	2,066	1,838	1,680	1,807	1,480	1,671	43.00
FMW-24	77	79	75	52	39	47	45	101	9.00
FMW-25	36	42	29	27	23	18	34	26	16.00
FMW-26	25	28	94	21	62	11	36	32	16.20
FMW-27	2,280	2,464	3,540	1,781	**	**	**	**	12.80
FMW-31	9,519	10,544	8,063	8,768	9,545	6,988	8,139	6,141	21.50
FMW-35 (BR)	178	242	327	312	234	220	265	246	57.50
FMW-36 (BR)	625	164	127	112	302	66	**	**	51.50
FMW-37	3,674	4,162	4,535	4,527	3,297	3,649	**	**	13.40
FMW-39	38	8	11	4	ND	19	144	ND	6.30
FMW-40	1,337	2,124	2,167	1,864	1,922	1,834	1,474	2,047	12.70
MW-3	93	90	77	86	**	**	**	**	17.50
MW-7S (BR)	294	362	325	221	**	**	280	324	25.00
MW-7D (BR)	70	43	81	35	36	**	**	**	45.00
MW-10S (BR)	307	313	271	225	148	249	**	**	37.00
MW-15S (BR)	98	18	26	13	**	**	**	**	23.10
MW-16	110	196	101	75	35	**	**	**	11.10
MW-17S (BR)	250	336	297	193	12	206	**	**	31.70
MW-18	52	45	12	14	**	**	**	**	14.95
MW-42 (BR)	414	612	558	429	**	**	**	**	58.85
MW-43 (BR)	569	596	870	787	673	500	587	680	67.90
MW-44	508	450	544	440	586	**	**	530	18.10
MW-45	496	166	1,028	233	**	**	**	**	15.00
MW-46	105	289	371	491	**	**	**	**	18.29
MW-47	239	341	313	261	186	264	**	**	18.29
MW-48 (BR)	315	334	401	370	324	372	**	**	70.93
MW-49 (BR)	218	227	252	198	**	**	**	**	61.15
MW-51	**	**	**	239	**	**	221	579	52.00
MW-52 (BR)	**	**	**	236	**	**	224	30	72.00
MW-53 (BR)	**	**	**	1,909	**	**	1,125	736	96.00
MW-54 S	**	**	**	18	**	**	125	4	12.85
MW-54 D (BR)	**	**	**	2,800	**	**	2,737	4,100	80.00
MW-55 S	**	**	**	2,123	**	**	2,611	3,824	18.00
MW-55 D (BR)	**	**	**	609	**	**	1,150	1,680	50.80
MW-56 S	**	**	**	947	**	**	1,076	353	12.80
MW-56 D (BR)	**	**	**	11	**	**	6	5	83.90
MW-57 (BR)	**	**	**	19	**	**	5	6	81.70
MW-58 S	**	**	**	Dry	**	**	Dry	Dry	21.50
MW-58 D	**	**	**	30,946	**	**	32,369	10,339	60.00
MW-59 S	**	**	**	31	**	**	82	60	14.40
MW-59 D (BR)	**	**	**	58	**	**	37	97	81.60
MW-60 (BR)	**	**	**	4,168	**	**	3,439	4,575	80.00
MW-61	**	**	**	139	**	**	**	148	12.00
MW-63	**	**	**	65,880	**	**	**	21,368	15.00
PAR - 02	NS	306	**	**	**	**	**	**	8.00
PAR - 03	232	314	344	239	193	189	**	**	10.75
UW-1	2,642	1,784	1,212	2,214	635	2,533	**	**	15.00
WW-1 (BR)	1,542	2,559	2,746	1,963	2,046	1,787	**	**	62.10
XDDMW-10 (BR)	174	103	93	81	56	**	**	**	60.00
XDDMW-11 (BR)	1,283	544	272	455	410	503*	430	458	40.00
XDDMW-13 (BR)	494	354	384	396	226	331	**	**	39.15
Hangar E MW-1	**	**	6,283	5,010	4,075	4,603	5,374	5,890	15.92
Hangar E MW-3	**	**	2,949	1,778	**	**	**	**	17.31
Hangar E MW-4	**	**	**	5,985	3,632	4,117	5,074	12,317	15.80

(ng/l) - nanograms per liter (equivalent to parts per trillion)
(ft btoc) Feet Below Top of Casing
** PFAS not analyzed or well not sampled
* Data are from 5/20/21. The well was re-sampled due to anomalous results.

TABLE 5
WESTCHESTER COUNTY AIRPORT
1,4-Dioxane Results [1/]

Well (BR) = Bedrock Well	1,4-Dioxane (ug/l)								Well Depth (ft btoc)
	Aug. 2018	March 2019	Oct. 2019	April 2020	Oct. 2020	April 2021	Oct. 2021	April. 2022	
FMW-16	**	**	**	0.68	ND	ND	**	**	15.77
FMW-37	**	**	**	**	**	**	ND	**	13.40
MW-3	**	**	**	0.42	9.33	**	**	**	17.50
MW-7S (BR)	**	32	32.4	30.3	11.4	22	55	18	25.00
MW-10D (BR)	**	5	6.58	**	**	**	**	**	55.00
MW-10S (BR)	**	8.4	9.72	9.38	6.94	**	**	**	37.00
XDDMW-10 (BR)	**	2.5	2.0	**	**	**	**	**	60.00
XDDMW-11 (BR)	4.5	3.82	2.0	4.44	4.22	5.6*	4.0	5.17	40.00
Hangar E MW-1	**	**	1,940	470	2,590	580	1,750	920	15.92
Hangar E MW-2	**	**	263	420	440	889	**	**	15.60
Hangar E MW-3	**	**	17.2	42.6	**	**	**	**	17.31
Hangar E MW-4	**	**	28.3	27.7	13.1	32	17.4	25.2	15.80

1/ See Figure 3 for identifycation of all tested wells.

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

(ft btoc) Feet Below Top of Casing

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

** Not Analyzed

* Data are from 5/20/21. The well was re-sampled due to anomalous results.

TABLE 6
WESTCHESTER COUNTY AIRPORT
Volatile Organics Results

Sample ID	NYSDEC TOGS	DPW-2				DPWMW-3 (ANG well)				FMW-2R				FMW-8				FMW-12 (ANG well)				FMW-14			
Compound		**Oct. 2020**	**April 2021**	**Oct. 2021**	**April 2022**	**Oct. 2020**	**April 2021**	**Oct. 2021**	**April 2022**	**Oct. 2019**	**April 2020**	**Oct. 2020**	**April 2021**	**Oct. 2020**	**April 2021**	**Oct. 2021**	**April 2022**	**Oct. 2019**	**April 2020**	**Oct. 2020**	**April 2021**	**Oct. 2020**	**April 2021**	**Oct. 2021**	**April 2022**
Volatile Organics, 8260	**ug/L**	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	**0.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.22 J**	ND	ND
2-Butanone	**50***	ND	ND	ND	**0.21 J**	**2.4**	ND	ND	ND	**0.46 JB**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.25 J**	ND	ND	ND
4-Methyl-2-pentanone	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**50***	ND	ND	ND	**2.20 B**	**6.1 B**	**3.2**	**1.3 J**	**3.3 J**	ND	**1.1 J**	ND	ND	ND	ND	ND	ND	**1.8 J**	ND	**18 B**	ND	**2.0 J**	ND	ND	ND
Benzene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.40**	**0.36 J**	ND
Bromomethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	**60***	ND	ND	ND	ND	**0.74**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4.2**	**31**	**10**	**10**
Chloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.37 J**	**0.60**	**1.50**	**0.50**	ND	ND	ND	ND	ND	ND	ND	**0.27 J**
Cyclohexane	**~**	ND	ND	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	ND	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	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	**5**	ND	ND	ND	ND	ND	ND	ND	**2.9 J**	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	ND	ND	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	ND	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	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	ND	ND	**0.23 J**	ND	**0.93**	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.40 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NYSDEC TOGS - State groundwater standards and guidence values.

Exceeds Standard or Guidence

ug/L micrograms per liter (parts per billion)

ND - Not Detected (see lab reports for detection limits).

** - Not Analyzed

* - indicates a guidence value as opposed to a standard.

~ - indicates that no regulatory limit has been established for this analyte.

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

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

TABLE 6
WESTCHESTER COUNTY AIRPORT
Volatile Organics Results

Sample ID	NYSDEC TOGS	FMW-16				FMW-23				FMW-25				FMW-31 (ANG well)				FMW-39				FMW-40 (ANG well)			
Compound		**Oct. 2020**	**April 2021**	**Oct. 2021**	**April 2022**	**Oct. 2020**	**April 2021**	**Oct. 2021**	**April 2022**	**Oct. 2020**	**April 2021**	**Oct. 2021**	**April 2022**	**Oct. 2020**	**April 2021**	**Oct. 2021**	**April 2022**	**Oct. 2020**	**April 2021**	**Oct. 2021**	**April 2022**	**Oct. 2020**	**April 2021**	**Oct. 2021**	**April 2022**
Volatile Organics, 8260	**ug/L**	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
1,1,1-Trichloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	**5**	ND	ND	ND	ND	ND	ND	**0.35 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11**	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.3**	**5.3**	**1.3**	**4.6**	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	**0.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.88**	**3.9**	**2.7**	**2.7**	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**50***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.61**	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**50***	ND	ND	ND	**1.1 JB**	ND	ND	ND	ND	ND	ND	ND	**1.4 JB**	**6.1 B**	**3.4**	**2.0**	**4.0**	**1.6 JB**	**2.6**	**1.20 J**	ND	**2.4 B**	ND	**1.2 J**	**1.5 J**
Benzene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	**60***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.20 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	**5**	ND	ND	ND	ND	**130**	**190**	**250**	**89**	ND	ND	ND	ND	**1.4**	**0.88**	**0.95**	**0.3**	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.30 J**	**0.57**	**0.64**	**0.53**	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.57**	**1.7**	**2.0**	**1.6**	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	**10***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.55**	**2.5**	**3.0**	**1.8**	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.30 J**	**0.2 J**	**0.23 J**	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.53**	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.44 J**	ND	**0.68**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**25**	**0.72**	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	**5**	ND	ND	ND	ND	**0.90**	**0.94**	**10**	**0.62**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	**5**	**0.78**	ND	ND	ND	**0.78**	**0.99**	**1.1**	**0.60**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	**2**	ND	ND	ND	ND	ND	ND	**55**	ND	ND	ND	ND	ND	ND	**0.49 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.86 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NYSDEC TOGS - State groundwater standards and guidence values.

Exceeds Standard or Guidence

ug/L micrograms per liter (parts per billion)

ND - Not Detected (see lab reports for detection limits).

** - Not Analyzed

* - indicates a guidence value as opposed to a standard.

~ - indicates that no regulatory limit has been established for this analyte.

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

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

TABLE 6
WESTCHESTER COUNTY AIRPORT
Volatile Organics Results

Sample ID	NYSDEC TOGS	MW-1 (Hangar E)				MW-4 (Hangar E)				MW-7S (Hangar D)				MW-43 (Former Hangar B)				MW-59S		MW-59D			XDDMW-10			
Compound		Oct. 2020	April 2021	Oct. 2021	April 2022	Oct. 2020	April 2021	Oct. 2021	April 2022	Oct. 2020	April 2021	Oct. 2021	April 2022	Oct. 2020	April 2021	Oct. 2021	April 2022	May 2020	Oct. 2021	May 2020	Oct. 2021	April 2022	Oct. 2020	April 2021	Oct. 2021	April 2022
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	ug/l
1,1,1-Trichloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	**5.6**	**3.4**	**4.1**	**2.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**5**	**24**	**24**	**18**	**17**	**0.45 J**	**0.59**	**0.49 J**	**0.38 J**	**36**	**56**	**72**	**33**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.3**	**2.8**	**3.5**	**2.3**
1,1-Dichloroethylene	**5**	**180**	**67**	**88**	**37**	**0.69**	**0.41 J**	**0.46 J**	**0.34 J**	**4.8**	**15**	**15**	**6.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**5**	ND	**0.57**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.25 J**	ND	**0.53**	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	**0.28 J**	ND	**0.25 J**	**0.29 J**	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**	**11**	ND	**7.9**	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	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	**50***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**20**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	**~**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**50***	ND	ND	**1.4 J**	ND	**1.9 JB**	ND	ND	ND	**1.0 J**	**2.8**	**4.9**	**2,600**	**3.3**	ND	ND	ND	**6.20**	ND	ND	**3.40**	**1.6 J**	ND	ND	ND	ND
Benzene	**1**	**1.2**	**0.64**	**1.0**	**0.56**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.70**	ND	ND	ND	ND	ND	ND
Bromomethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	**60***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.45 J**	ND	ND	ND	**0.67**	**0.32 J**	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	**5**	**51**	**42**	**30**	**40**	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**	**25**	**9.2**	**9.2**	**4.7**	**0.48 J**	**0.43 J**	**0.44 J**	**0.37 J**	**42**	**33**	**44**	**19**	ND	ND	ND	ND	ND	ND	ND	ND	**0.77**	**6.8**	**2.3**	**3.4**	**1.9**
Cyclohexane	**~**	**0.41 J**	ND	**0.40 J**	**0.38 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	**5**	ND	ND	ND	**0.21 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.28 J**	ND	ND	ND	ND	ND	ND
Isopropylbenzene	**5**	ND	ND	ND	**0.38 J**	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***	**0.26 J**	ND	**0.23 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.40**	**5.90**	**4.90**	**3.20**	ND	ND	ND	ND	**0.26 J**	ND	ND	ND	ND
Methylcyclohexane	**~**	**0.66**	ND	**0.65**	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	ND	**1.1 J**	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	**5**	**0.47 J**	**0.45 J**	**0.84**	**1.70**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.35**	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	**0.35 J**	ND	**0.33 J**	**0.36 J**	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)	**~**	**22**	ND	**1.10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.60**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5**	ND	ND	**0.21 J**	**0.26 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	**0.28 J**	**11**	**13**	**1.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	**0.21 J**	ND	**0.29 J**	**0.35 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.0**	**3.0**	**0.42 J**	ND	ND	ND	ND
trans-1,2-Dichloroethylene	**5**	**0.36 J**	ND	**0.21 J**	ND	ND	ND	ND	ND	**0.51**	**0.36 J**	**0.51**	**0.24 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.31 J**	ND	**0.23 J**
Trichloroethylene	**5**	**1.3**	**1.0**	**0.83**	**0.70**	ND	ND	ND	ND	**17**	**13**	**11**	**8.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	**2**	**38**	**64**	**130**	**88**	ND	ND	ND	ND	**5.1**	**6.2**	**7.7**	**5.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	**5**	**0.65 J**	**0.68 J**	**1.0 J**	**2.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4.90**	ND	**5.60**	ND	ND	ND	ND	ND	ND

NYSDEC TOGS - State groundwater standards and guidence values.

Exceeds Standard or Guidence

ug/L micrograms per liter (parts per billion)

ND - Not Detected (see lab reports for detection limits).

** - Not Analyzed

* - indicates a guidence value as opposed to a standard.

~ - indicates that no regulatory limit has been established for this analyte.

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	04/12/22		04/13/22	
Sample ID	**Hng E MW-1**	**Duplicate**	**MW-58D**	**Duplicate**
PFAS EPA 537	ng/L	ng/L	ng/L	ng/L
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	ND	**547**	**514**
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	**393**	**387**	**1920**	**1740**
N-EtFOSAA	ND	ND	ND	ND
N-MeFOSAA	ND	ND	ND	ND
Perfluoro-1-decanesulfonic acid (PFDS)	ND	ND	ND	ND
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	ND	ND	ND
Perfluoro-1-octanesulfonamide (FOSA)	ND	ND	ND	ND
Perfluorobutanesulfonic acid (PFBS)	ND	ND	**27.3**	**27.6**
Perfluorodecanoic acid (PFDA)	ND	ND	**157**	**144**
Perfluorododecanoic acid (PFDoA)	ND	ND	ND	ND
Perfluoroheptanoic acid (PFHpA)	**386**	**383**	**408**	**401**
Perfluorohexanesulfonic acid (PFHxS)	ND	ND	**123**	**131**
Perfluorohexanoic acid (PFHxA)	**821**	**839**	**1020**	**997**
Perfluoro-n-butanoic acid (PFBA)	**413**	**428**	**495**	**495**
Perfluorononanoic acid (PFNA)	**13.1**	ND	**140**	**151**
Perfluorooctanesulfonic acid (PFOS)	**ND**	ND	**268**	**254**
Perfluorooctanoic acid (PFOA)	**294**	**271**	**354**	**363**
Perfluoropentanoic acid (PFPeA)	**3570**	**2870**	**4880**	**3320**
Perfluorotetradecanoic acid (PFTA)	ND	ND	ND	ND
Perfluorotridecanoic acid (PFTrDA)	ND	ND	ND	ND
Perfluoroundecanoic acid (PFUnA)	ND	ND	ND	ND
TOTAL PFAS	**5,890**	**5,178**	**10,339**	**8,538**

ND - analyte not detected (see lab reports for detection limits).
ng/l = nanograms per liter or parts per trillion.
ug/l = micrograms per liter or parts per billion.

Date	04/12/22	
Sample ID	**Hng E MW-1**	**Duplicate**
Volatile Organics, 8260	ug/l	ug/l
1,1,1-Trichloroethane	ND	ND
1,1-Dichloroethane	**17**	**15**
1,1-Dichloroethylene	**37**	**38**
1,2,4-Trimethylbenzene	ND	ND
1,2-Dichlorobenzene	**0.290**	ND
1,3,5-Trimethylbenzene	ND	ND
2-Butanone	ND	ND
Acetone	ND	ND
Benzene	**0.560**	**0.660**
Chloroethane	**40**	**37**
cis-1,2-Dichloroethylene	**4.70**	**5.10**
Cyclohexane	**0.380**	ND
Ethyl Benzene	**0.210**	ND
Isopropylbenzene	**0.380**	**0.290**
Methylene chloride	ND	ND
n-Propylbenzene	ND	ND
o-Xylene	**1.70**	**1.40**
p-Isopropyltoluene	**0.320**	**0.270**
sec-Butylbenzene	**0.360**	**0.320**
tert-Butylbenzene	**0.260**	ND
Tetrachloroethylene	ND	ND
Toluene	**0.350**	**0.290**
trans-1,2-Dichloroethylene	ND	ND
Trichloroethylene	**0.700**	ND
Vinyl Chloride	**88**	**78**
Xylenes, Total	**2**	**1.70**
Semi-Volatiles 8270 SIM	ug/l	ug/l
1,4-Dioxane	**920**	**1360**

TABLE 8

WESTCHESTER COUNTY AIRPORT

Field & Trip Blank Summary

(see lab reports for full blank analyte lists)

Date	Units	04/11/22		04/12/22		04/13/22		04/14/22		04/15/22	
Sample ID		**Field**	**Trip**	**Field**	**Trip**	**Field**	**Trip**	**Field**	**Trip**	**Field**	**Trip**
PFAS (all compounds)	ng/l	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA
Acetone	ug/l	ND	ND	ND	ND	**ND**	ND	**ND**	ND	**ND**	ND
Carbon disulfide	ug/l	ND	ND	ND	ND	**ND**	ND	**ND**	ND	**ND**	ND
Methylene chloride	ug/l	**6.50**	ND	**8.70**	ND	**9.80**	ND	**6.10**	ND	**6.0**	ND
1,4-Dioxane	ug/l	----	NA	**0.608**	NA	**ND**	NA	----	NA	----	NA
Glycols	mg/l	----	NA	----	NA	ND	NA	----	NA	ND	NA

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

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

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

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

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

ND - not detected (see lab reports for detection limits)

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

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

TABLE 9
WESTCHESTER COUNTY AIRPORT
Groundwater Level Measurements - April 2022

Well (BR) = Bedrock Well	Date	Top of Casing Elevation (ft msl)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)	Well Depth (ft btoc)
DPW-2	4/11	NA	1.75	NA	12.25
DPWMW-3	4/15	435.02	4.68	430.34	14.00
FMW-2R	4/13	398.60	2.60	396.00	12.00
FMW-3	4/11	428.42	3.08	425.34	14.40
FMW-6	4/14	424.75	2.08	422.67	11.85
FMW-7	4/14	423.72	1.01	422.71	12.00
FMW-8	4/11	423.40	0.00	423.40	12.00
FMW-14	4/14	404.69	4.76	399.93	15.45
FMW-15	4/11	415.29	8.27	407.02	14.87
FMW-16	4/11	416.20	4.19	412.01	15.77
FMW-17	4/11	422.37	0.00	422.37	12.00
FMW-23 (BR)	4/14	423.72	0.00	423.72	43.00
FMW-24	4/13	394.21	0.90	393.31	9.00
FMW-25	4/11	375.35	4.80	370.55	16.00
FMW-26	4/11	404.79	4.18	400.61	16.20
FMW-31	4/12	428.37	7.90	420.47	21.50
FMW-35 (BR)	4/12	440.53	17.45	423.08	57.50
FMW-37	4/12	425.71	5.50	420.21	13.40
FMW-39	4/13	388.77	4.15	384.62	6.30
FMW-40	4/12	428.93	7.18	421.75	12.70
MW-3	4/12	409.54	11.41	398.13	17.50
MW-7S (BR)	4/12	409.16	8.94	400.22	25.00
MW-43 (BR)	4/14	417.08	5.08	412.00	67.90
MW-44	4/14	417.66	6.00	411.66	18.00
MW-51 (BR)	4/11	421.83	3.70	418.13	52.00
MW-52 (BR)	4/14	414.60	11.60	403.00	72.00
MW-53 (BR)	4/14	423.48	3.76	419.72	96.00
MW-54 S	4/15	425.14	7.06	418.08	12.85
MW-54 D (BR)	4/15	419.66	12.03	407.63	80.00
MW-55 S	4/15	407.75	3.92	403.83	18.00
MW-55 D (BR)	4/15	411.68	10.93	400.75	50.80
MW-56 S	4/15	406.02	4.97	401.05	12.80
MW-56 D (BR)	4/14	387.55	5.95	381.60	83.90
MW-57 (BR)	4/11	401.44	4.94	396.50	81.70
MW-58 S	4/13	386.98	Dry	<365.48	21.50
MW-58 D	4/13	386.53	35.60	350.93	60.00
MW-59 S	4/13	387.12	4.44	382.68	14.40
MW-59 D (BR)	4/13	387.84	3.52	384.32	81.60
MW-60 (BR)	4/15	415.67	8.90	406.77	80.00
MW-61	4/14	426.27	0.04	426.23	11.33
MW-63	4/15	420.80	1.85	418.95	14.84
XDDMW-10 (BR)	4/13	409.69	20.15	389.54	60.00
XDDMW-11 (BR)	4/13	409.19	19.30	389.89	40.00
Hangar E MW-1	4/12	396.36	9.89	386.47	15.92
Hangar E MW-4	4/12	396.53	9.79	386.74	15.80

(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

NOT DETECTED

2 to 100

101 to 1,000

1,001 to 10,000

10,001 to maximum (27,344)

0 700

SCALE IN FEET

B

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

WSP USA
500 Summit Lake Drive
Suite 450
Valhalla, New York 10595
(914) 694-5711

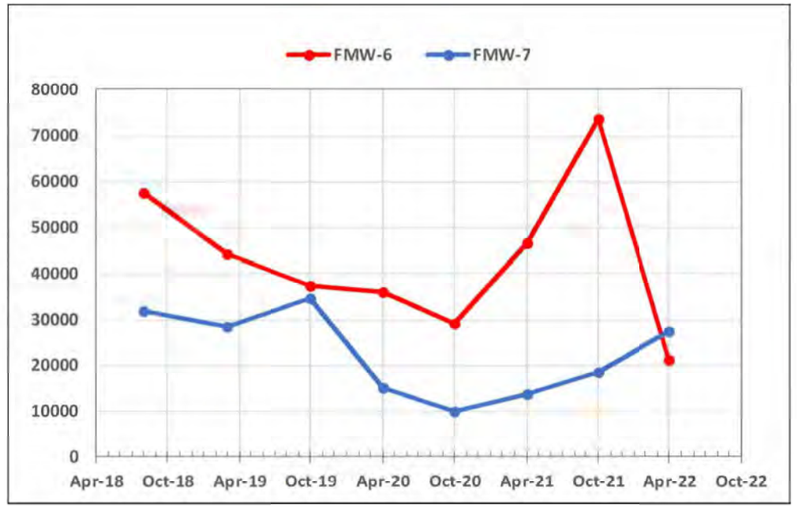
Drawn By:	RAC
Checked:	JB
Approved:	JB
DWG Date:	05/26/22

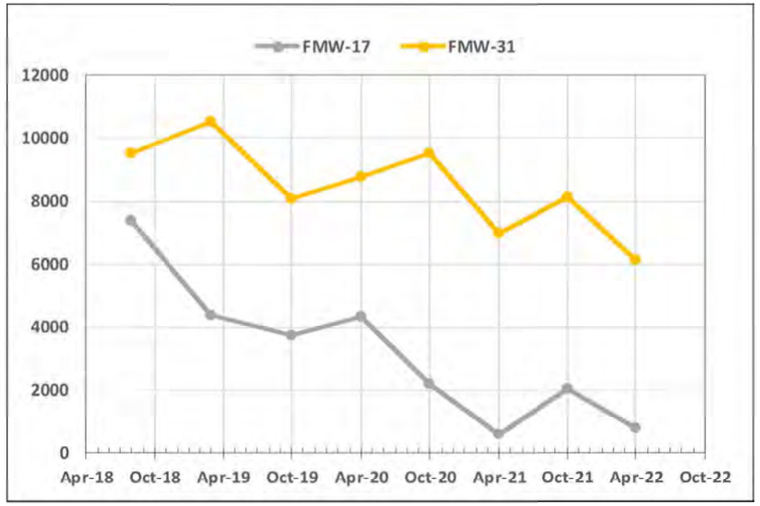
Westchester County Airport
White Plains, New York

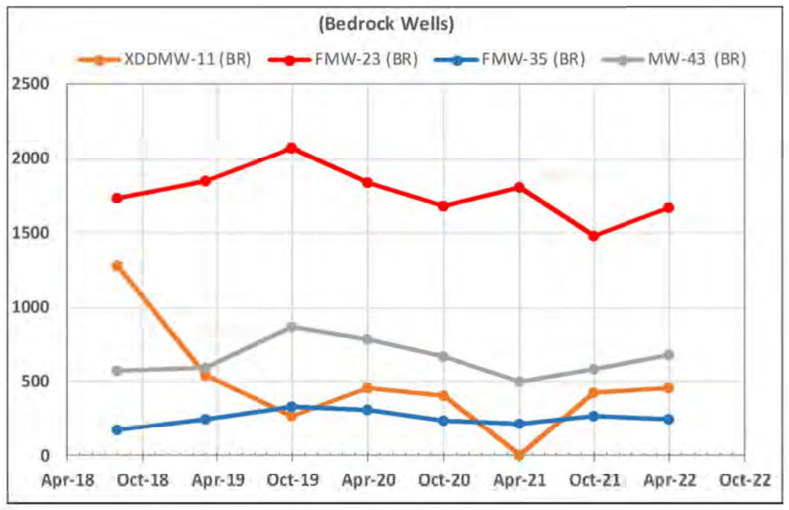
TOTAL PFAS CONCENTRATIONS - APRIL 2022

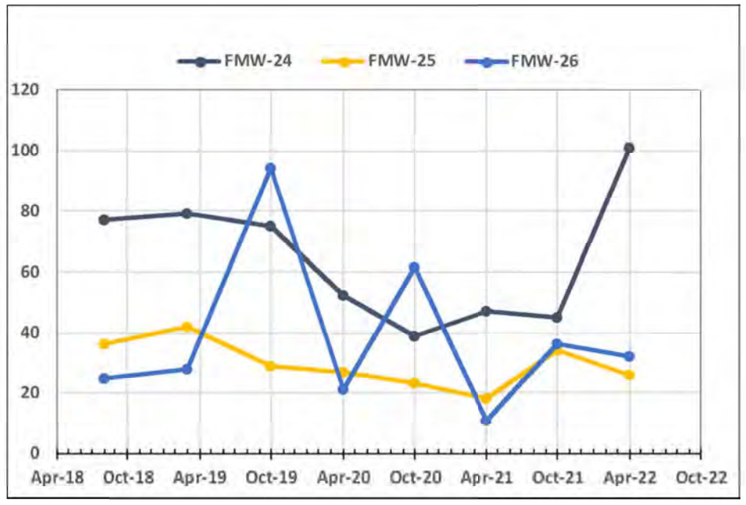
FIGURE 1

O:\DWG\Westchester County Airport\2022\F1_TotalPFAS_Apr2022.dwg, Layout1, 5/26/2022 11:14:08 AM, DWG To PDF.pc3









LEGEND:

X-AXIS UNITS ARE MONTH AND YEAR

Y-AXIS UNITS ARE NANO-GRAMS PER LITER

WSP USA
500 Summit Lake Drive
Suite 450
Valhalla, New York 10595
(914) 694-5711

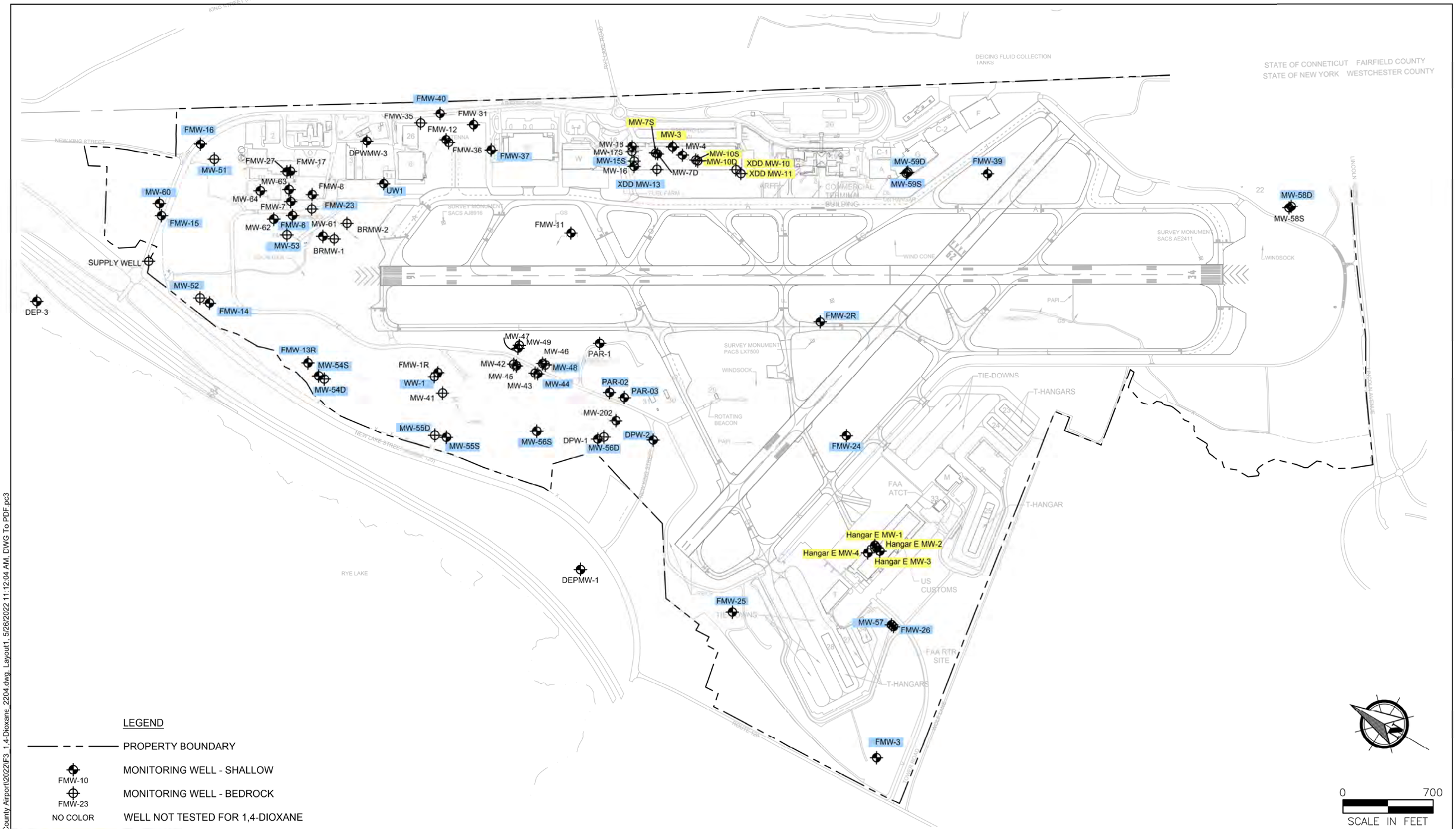
Drawn By:	RAC
Checked:	JB
Approved:	JB
DWG Date:	05/26/22

Westchester County Airport
White Plains, New York

TOTAL PFAS CONCENTRATIONS OVER TIME

FIGURE 2

B



LEGEND

- PROPERTY BOUNDARY
- FMW-10 — MONITORING WELL - SHALLOW
- FMW-23 — MONITORING WELL - BEDROCK
- NO COLOR — WELL NOT TESTED FOR 1,4-DIOXANE
- 1,4-DIOXANE DETECTED
- 1,4-DIOXANE NOT DETECTED

0 700
SCALE IN FEET

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

WSP USA
500 Summit Lake Drive
Suite 450
Valhalla, New York 10595
(914) 694-5711

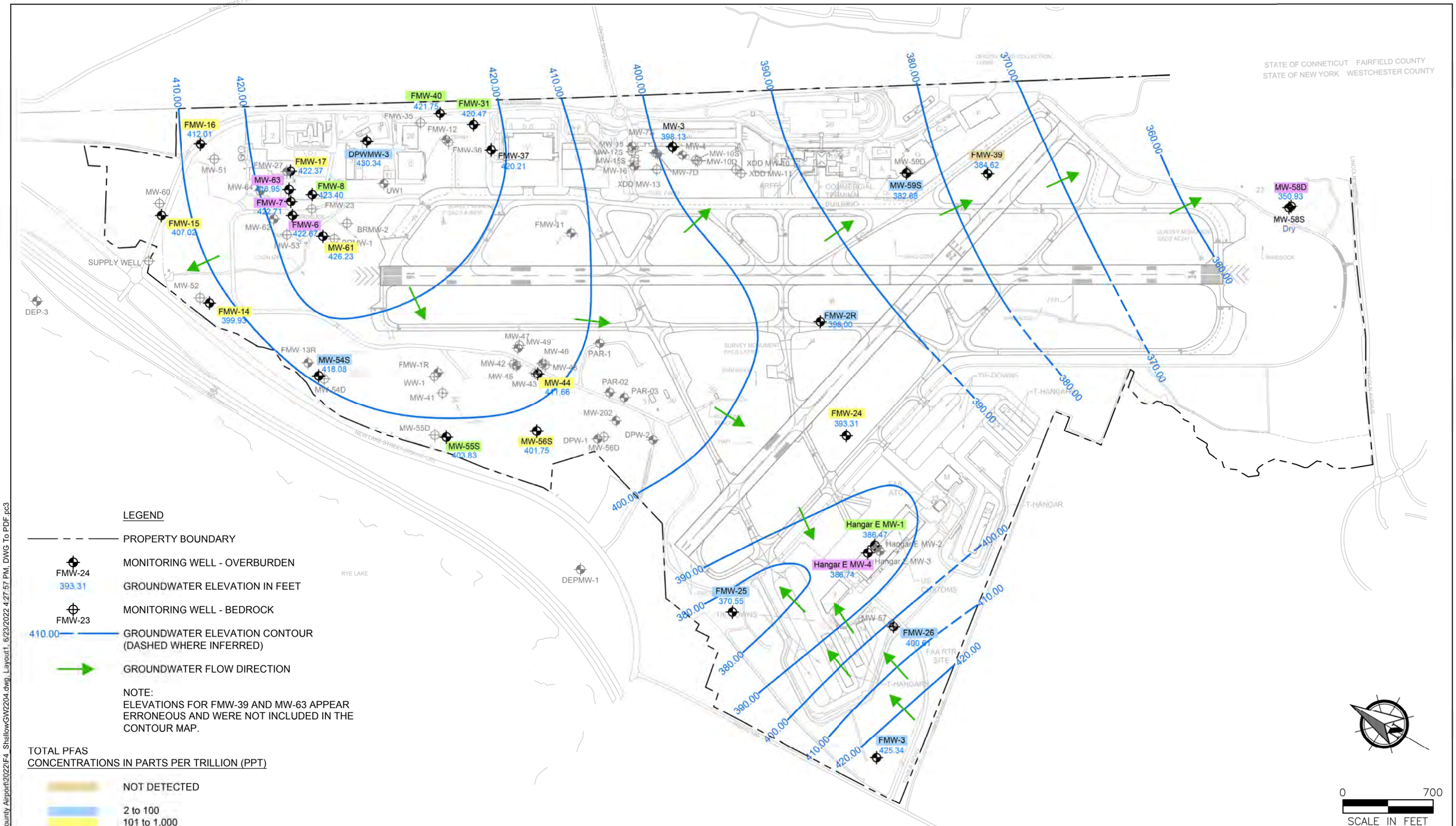
Drawn By:	RAC
Checked:	JB
Approved:	JB
DWG Date:	05/26/22

Westchester County Airport
White Plains, New York

WELLS SAMPLED FOR 1,4-DIOXANE
2018 - 2022

FIGURE 3

O:\DWG\Westchester County Airport\2022\F3_1,4-Dioxane_2204.dwg, Layout1, 5/26/2022 11:12:04 AM, DWG To PDF.pc3



LEGEND

PROPERTY BOUNDARY

FMW-24 — MONITORING WELL - OVERBURDEN

393.31 — GROUNDWATER ELEVATION IN FEET

FMW-23 — MONITORING WELL - BEDROCK

410.00 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

GROUNDWATER FLOW DIRECTION

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

TOTAL PFAS
CONCENTRATIONS IN PARTS PER TRILLION (PPT)

NOT DETECTED

2 to 100
101 to 1,000
1,001 to 10,000
10,001 to maximum (27,344)

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

0 700
SCALE IN FEET

WSP USA
500 Summit Lake Drive
Suite 450
Valhalla, New York 10595
(914) 694-5711

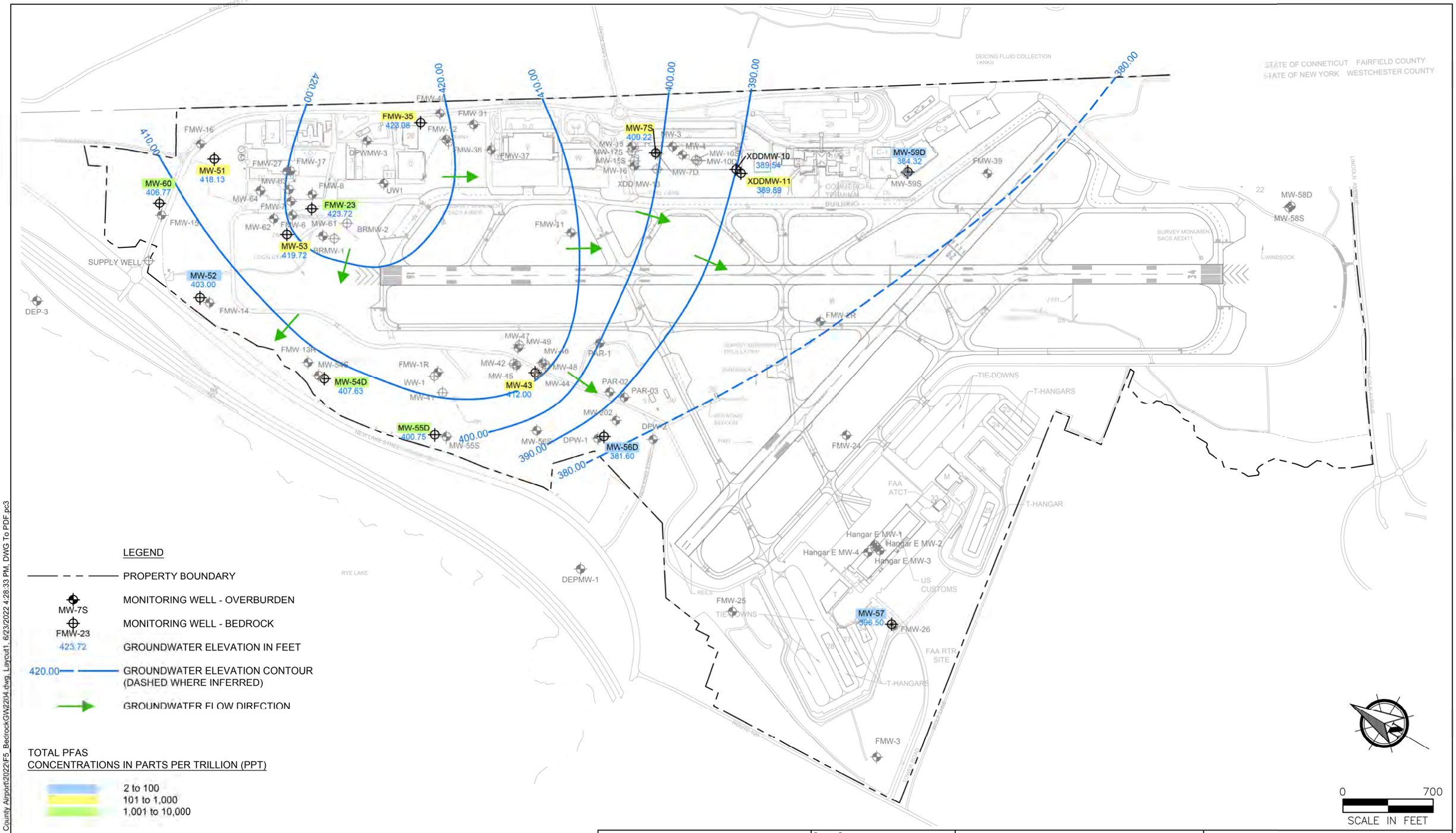
Drawn By:	RAC
Checked:	JB
Approved:	JB
DWG Date:	06/23/22

Westchester County Airport
White Plains, New York

SHALLOW AQUIFER GROUNDWATER CONTOUR MAP - APRIL 2022

FIGURE 4

O:\DWG\Westchester County Airport\2022\F4_ShallowGW2204.dwg, Layout1, 6/23/2022 4:27:57 PM, DWG To PDF.pc3



LEGEND

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

TOTAL PFAS
CONCENTRATIONS IN PARTS PER TRILLION (PPT)

- 2 to 100
- 101 to 1,000
- 1,001 to 10,000

0 700
SCALE IN FEET

B

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

WSP USA
500 Summit Lake Drive
Suite 450
Valhalla, New York 10595
(914) 694-5711

Drawn By:	RAC
Checked:	JB
Approved:	JB
DWG Date:	06/23/22

Westchester County Airport
White Plains, New York

BEDROCK AQUIFER GROUNDWATER CONTOUR MAP - APRIL 2022

FIGURE 5

O:\DWG\Westchester County Airport\2022\F5_BedrockGW22\04.dwg, Layout1, 6/23/2022 4:28:33 PM, DWG To PDF.pc3

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: 04/19/2022
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 22D0574

Report Date: 04/19/2022
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 22D0574

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 12, 2022 and listed below. The project was identified as your project: **31402218.000 Westchester County Airport (WCA)**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22D0574-01	DPW-2	Water	04/11/2022	04/12/2022
22D0574-02	FMW-25	Water	04/11/2022	04/12/2022
22D0574-03	FMW-3	Water	04/11/2022	04/12/2022
22D0574-04	FMW-26	Water	04/11/2022	04/12/2022
22D0574-05	MW-57	Water	04/11/2022	04/12/2022
22D0574-06	FMW-8	Water	04/11/2022	04/12/2022
22D0574-07	MW-51	Water	04/11/2022	04/12/2022
22D0574-08	FMW-16	Water	04/11/2022	04/12/2022
22D0574-09	FMW-15	Water	04/11/2022	04/12/2022
22D0574-10	FMW-17	Water	04/11/2022	04/12/2022
22D0574-11	Field Blank	Water	04/11/2022	04/12/2022
22D0574-12	Trip Blank	Water	04/11/2022	04/12/2022

General Notes for York Project (SDG) No.: 22D0574

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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 04/19/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: DPW-2 **York Sample ID:** 22D0574-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 9:50 am	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.21**	Cal-E, J	ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 20:51	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DPW-2 **York Sample ID:** 22D0574-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 9:50 am	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
67-64-1	**Acetone**	**2.2**	B	ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG

Sample Information

Client Sample ID: DPW-2 **York Sample ID:** 22D0574-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 9:50 am	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 20:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	JTG

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: DPW-2 **York Sample ID:** 22D0574-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 9:50 am	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*120 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.1 %*			*79-122*						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**3.36**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**5.23**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**5.84**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**2.19**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**2.83**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL

Sample Information

Client Sample ID: **DPW-2** **York Sample ID:** **22D0574-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 9:50 am	04/12/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**9.22**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:21	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*109 %*		*25-150*
Surrogate: M5PFHxA	*109 %*		*25-150*
Surrogate: M4PFHpA	*98.0 %*		*25-150*
Surrogate: M3PFHxS	*109 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*96.0 %*		*25-150*
Surrogate: M6PFDA	*91.6 %*		*25-150*
Surrogate: M7PFUdA	*85.5 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*70.1 %*		*25-150*
Surrogate: M2PFTeDA	*64.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*45.6 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*108 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*107 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.67 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*89.5 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*98.4 %*		*25-150*
Surrogate: M2-6:2 FTS	*273 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*283 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*93.2 %*		*25-150*

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **22D0574-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 10:20 am	04/12/2022

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **22D0574-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 10:20 am	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **22D0574-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 10:20 am	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**1.4**	J, B	ug/L	1.0	2.0	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:18	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FMW-25 **York Sample ID:** 22D0574-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 10:20 am	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/15/2022 21:18	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/15/2022 21:18	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/15/2022 21:18	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:18	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/15/2022 21:18	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*122 %*	*69-130*

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **22D0574-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 10:20 am	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*103 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.8 %*			*79-122*						

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**5.04**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**2.36**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**6.12**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**10.3**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**2.04**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **22D0574-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 10:20 am	04/12/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:34	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*98.7 %*		*25-150*
Surrogate: M5PFHxA	*98.7 %*		*25-150*
Surrogate: M4PFHpA	*86.9 %*		*25-150*
Surrogate: M3PFHxS	*103 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*94.2 %*		*25-150*
Surrogate: M6PFDA	*92.9 %*		*25-150*
Surrogate: M7PFUdA	*85.1 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*75.3 %*		*25-150*
Surrogate: M2PFTeDA	*72.9 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*19.3 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*107 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*74.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.43 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*95.4 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*113 %*		*25-150*
Surrogate: M2-6:2 FTS	*263 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*258 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*93.7 %*		*25-150*

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/19/2022 14:19	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/19/2022 14:19	CM

	Surrogate Recoveries	Result		Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*	*87.3 %*		*30-130*

Sample Information

Client Sample ID: **FMW-25** **York Sample ID:** **22D0574-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 10:20 am	04/12/2022

Sample Information

Client Sample ID: **FMW-3** **York Sample ID:** **22D0574-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 10:45 am	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**2.03**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**2.07**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**12.7**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL

Sample Information

Client Sample ID: **FMW-3** **York Sample ID:** **22D0574-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 10:45 am	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**5.82**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 16:47	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*88.0 %*		*25-150*
Surrogate: M5PFHxA	*89.4 %*		*25-150*
Surrogate: M4PFHpA	*89.3 %*		*25-150*
Surrogate: M3PFHxS	*97.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*90.6 %*		*25-150*
Surrogate: M6PFDA	*84.9 %*		*25-150*
Surrogate: M7PFUdA	*72.9 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*60.3 %*		*25-150*
Surrogate: M2PFTeDA	*53.7 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*24.0 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*83.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.4 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*0.921 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*86.8 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*88.8 %*		*25-150*
Surrogate: M2-6:2 FTS	*182 %*		*25-200*
Surrogate: M2-8:2 FTS	*145 %*		*25-200*
Surrogate: M9PFNA	*86.8 %*		*25-150*

Sample Information

Client Sample ID: **FMW-26** **York Sample ID:** **22D0574-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 11:30 am	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: **FMW-26** **York Sample ID:** **22D0574-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 11:30 am	04/12/2022

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
754-91-6	*** Perfluoro-1-octanesulfonamide (FOSA)**	**3.61**		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**2.29**		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**2.80**		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**3.12**		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**8.76**		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**8.66**		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**3.14**		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:00	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*90.8 %*	*25-150*
Surrogate: M5PFHxA	*83.6 %*	*25-150*
Surrogate: M4PFHpA	*100 %*	*25-150*

Sample Information

Client Sample ID: FMW-26 **York Sample ID:** 22D0574-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 11:30 am	04/12/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*95.3 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*85.0 %*			*25-150*					
	Surrogate: M6PFDA	*77.7 %*			*25-150*					
	Surrogate: M7PFUdA	*69.3 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*58.6 %*			*25-150*					
	Surrogate: M2PFTeDA	*56.5 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*30.4 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*94.7 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.7 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*0.356 %*	PFSu-L		*10-150*					
	Surrogate: d3-N-MeFOSAA	*73.2 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*73.7 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*93.3 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*103 %*			*25-200*					
	Surrogate: M9PFNA	*87.1 %*			*25-150*					

Sample Information

Client Sample ID: MW-57 **York Sample ID:** 22D0574-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 12:15 pm	04/12/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL

Sample Information

Client Sample ID: MW-57 **York Sample ID:** 22D0574-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 12:15 pm	04/12/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**3.68**		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**1.88**		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:12	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.8 %*	*25-150*
Surrogate: M5PFHxA	*83.8 %*	*25-150*
Surrogate: M4PFHpA	*88.1 %*	*25-150*
Surrogate: M3PFHxS	*89.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.4 %*	*25-150*
Surrogate: M6PFDA	*75.4 %*	*25-150*
Surrogate: M7PFUdA	*72.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*65.2 %*	*25-150*

Sample Information

Client Sample ID: MW-57 **York Sample ID:** 22D0574-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 12:15 pm	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M2PFTeDA	*54.0 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*85.6 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*88.6 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.4 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*17.0 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*60.5 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*66.1 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*92.5 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*109 %*			*25-200*					
	Surrogate: M9PFNA	*81.6 %*			*25-150*					

Sample Information

Client Sample ID: FMW-8 **York Sample ID:** 22D0574-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 1:00 pm	04/12/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:45	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 21:45	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FMW-8 **York Sample ID:** 22D0574-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 1:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG

Sample Information

Client Sample ID: **FMW-8** **York Sample ID:** **22D0574-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 1:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
156-59-2	**cis-1,2-Dichloroethylene**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 21:45	JTG
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/15/2022 21:45	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/15/2022 21:45	JTG

Sample Information

Client Sample ID: **FMW-8** **York Sample ID:** **22D0574-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 1:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*122 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**11.5**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**53.9**		ng/L	12.5	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL

Sample Information

Client Sample ID: **FMW-8** **York Sample ID:** **22D0574-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 1:00 pm	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**50.0**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**50.3**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**94.4**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**719**		ng/L	25.0	5	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:38	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**161**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**73.2**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**168**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**1610**		ng/L	25.0	5	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:38	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**271**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**235**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 17:25	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.2 %*	*25-150*
Surrogate: M3PFBS	*94.2 %*	*25-150*
Surrogate: M5PFHxA	*84.3 %*	*25-150*
Surrogate: M5PFHxA	*85.3 %*	*25-150*
Surrogate: M4PFHpA	*89.8 %*	*25-150*

Sample Information

Client Sample ID: **FMW-8** **York Sample ID:** **22D0574-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 1:00 pm	04/12/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	*95.0 %*			*25-150*					
	Surrogate: M3PFHxS	*88.0 %*			*25-150*					
	Surrogate: M3PFHxS	*84.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.1 %*			*25-150*					
	Surrogate: M6PFDA	*79.5 %*			*25-150*					
	Surrogate: M6PFDA	*79.7 %*			*25-150*					
	Surrogate: M7PFUdA	*73.2 %*			*25-150*					
	Surrogate: M7PFUdA	*73.2 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*68.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*68.7 %*			*25-150*					
	Surrogate: M2PFTeDA	*75.6 %*			*10-150*					
	Surrogate: M2PFTeDA	*69.8 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*63.4 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*85.9 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*86.2 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*97.6 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.6 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*40.3 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.09 %*	PFSu-L		*10-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.34 %*	PFSu-L		*10-150*					
	Surrogate: d3-N-MeFOSAA	*84.5 %*			*25-150*					
	Surrogate: d3-N-MeFOSAA	*73.7 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*91.9 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*82.9 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*96.5 %*			*25-200*					
	Surrogate: M2-6:2 FTS	*94.1 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*130 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*111 %*			*25-200*					
	Surrogate: M9PFNA	*76.7 %*			*25-150*					
	Surrogate: M9PFNA	*79.6 %*			*25-150*					

Sample Information

Client Sample ID: **FMW-8** **York Sample ID:** **22D0574-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 1:00 pm	04/12/2022

Sample Information

Client Sample ID: **MW-51** **York Sample ID:** **22D0574-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 2:00 pm	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**13.0**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**2.82**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
375-73-5	* **Perfluorobutanesulfonic acid (PFBS)**	**10.1**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**27.7**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**106**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**90.2**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**38.2**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**4.83**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**75.3**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**36.5**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**174**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL

Sample Information

Client Sample ID: **MW-51** **York Sample ID:** **22D0574-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 2:00 pm	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:04	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*98.8 %*		*25-150*
Surrogate: M5PFHxA	*91.1 %*		*25-150*
Surrogate: M4PFHpA	*103 %*		*25-150*
Surrogate: M3PFHxS	*105 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*89.6 %*		*25-150*
Surrogate: M6PFDA	*84.5 %*		*25-150*
Surrogate: M7PFUdA	*73.8 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*54.0 %*		*25-150*
Surrogate: M2PFTeDA	*49.4 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*103 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*86.7 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.96 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*78.9 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*77.2 %*		*25-150*
Surrogate: M2-6:2 FTS	*191 %*		*25-200*
Surrogate: M2-8:2 FTS	*136 %*		*25-200*
Surrogate: M9PFNA	*88.6 %*		*25-150*

Sample Information

Client Sample ID: **FMW-16** **York Sample ID:** **22D0574-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 2:40 pm	04/12/2022

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

Sample Information

Client Sample ID: **FMW-16** **York Sample ID:** **22D0574-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 2:40 pm	04/12/2022

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**1.1**	J, B	ug/L	1.0	2.0	1	EPA 8260C	04/15/2022 06:40	04/15/2022 22:14	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **FMW-16** **York Sample ID:** **22D0574-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 2:40 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: **FMW-16** **York Sample ID:** **22D0574-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 2:40 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*125 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*81-117*

Sample Information

Client Sample ID: FMW-16 **York Sample ID:** 22D0574-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 2:40 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*			*79-122*						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**14.0**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**24.2**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**153**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**45.2**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**27.9**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**11.1**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**329**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**40.9**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**65.0**		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL

Sample Information

Client Sample ID: **FMW-16** **York Sample ID:** **22D0574-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 2:40 pm	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:18	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*93.3 %*		*25-150*
Surrogate: M5PFHxA	*89.3 %*		*25-150*
Surrogate: M4PFHpA	*99.3 %*		*25-150*
Surrogate: M3PFHxS	*95.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*91.7 %*		*25-150*
Surrogate: M6PFDA	*82.1 %*		*25-150*
Surrogate: M7PFUdA	*80.1 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*66.9 %*		*25-150*
Surrogate: M2PFTeDA	*63.3 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*62.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*96.3 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*86.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.82 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*80.9 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*88.3 %*		*25-150*
Surrogate: M2-6:2 FTS	*104 %*		*25-200*
Surrogate: M2-8:2 FTS	*103 %*		*25-200*
Surrogate: M9PFNA	*90.4 %*		*25-150*

Sample Information

Client Sample ID: **FMW-15** **York Sample ID:** **22D0574-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:20 pm	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: **FMW-15** **York Sample ID:** **22D0574-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:20 pm	04/12/2022

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**7.74**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**3.60**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**33.9**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**6.62**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**3.10**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**27.3**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**18.6**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**7.95**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**6.84**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL
2058-94-8	*** Perfluoroundecanoic acid (PFUnA)**	**14.4**		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 18:43	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*96.6 %*	*25-150*
Surrogate: M5PFHxA	*86.5 %*	*25-150*
Surrogate: M4PFHpA	*103 %*	*25-150*

Sample Information

Client Sample ID: FMW-15 **York Sample ID:** 22D0574-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:20 pm	04/12/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*89.8 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*91.8 %*		*25-150*						
	Surrogate: M6PFDA	*87.9 %*		*25-150*						
	Surrogate: M7PFUdA	*82.9 %*		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*73.2 %*		*25-150*						
	Surrogate: M2PFTeDA	*68.5 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*63.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*104 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*86.9 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.03 %*	PFSu-L	*10-150*						
	Surrogate: d3-N-MeFOSAA	*85.8 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*89.0 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*110 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*136 %*		*25-200*						
	Surrogate: M9PFNA	*93.4 %*		*25-150*						

Sample Information

Client Sample ID: FMW-17 **York Sample ID:** 22D0574-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:45 pm	04/12/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL

Sample Information

Client Sample ID: **FMW-17** **York Sample ID:** **22D0574-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:45 pm	04/12/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**8.77**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**9.95**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
335-76-2	*** Perfluorodecanoic acid (PFDA)**	**1.99**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**19.6**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**175**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**28.0**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**16.9**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**7.54**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**463**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**30.8**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**29.9**		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:09	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*108 %*	*25-150*
Surrogate: M5PFHxA	*107 %*	*25-150*
Surrogate: M4PFHpA	*90.3 %*	*25-150*
Surrogate: M3PFHxS	*98.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*93.4 %*	*25-150*
Surrogate: M6PFDA	*97.0 %*	*25-150*
Surrogate: M7PFUdA	*90.7 %*	*25-150*

Sample Information

Client Sample ID: **FMW-17** **York Sample ID:** **22D0574-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:45 pm	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*71.2 %*		*25-150*						
	Surrogate: M2PFTeDA	*79.0 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*28.6 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*99.9 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*90.1 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*17.9 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*100 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*129 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*345 %*	PFSu-H	*25-200*						
	Surrogate: M2-8:2 FTS	*377 %*	PFSu-H	*25-200*						
	Surrogate: M9PFNA	*83.8 %*		*25-150*						

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0574-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 4:00 pm	04/12/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG

Sample Information

Client Sample ID: Field Blank

York Sample ID: 22D0574-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 4:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0574-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 4:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	**Methylene chloride**	**6.5**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 18:34	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0574-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 4:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/15/2022 18:34	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/15/2022 18:34	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 18:34	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/15/2022 18:34	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0574-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 4:00 pm	04/12/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/15/2022 11:38	04/18/2022 19:22	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*105 %*	*25-150*
Surrogate: M5PFHxA	*99.6 %*	*25-150*
Surrogate: M4PFHpA	*114 %*	*25-150*
Surrogate: M3PFHxS	*101 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*101 %*	*25-150*
Surrogate: M6PFDA	*95.3 %*	*25-150*

Sample Information

Client Sample ID: Field Blank **York Sample ID:** 22D0574-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 4:00 pm	04/12/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M7PFUdA	*97.8 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*87.5 %*			*25-150*					
	Surrogate: M2PFTeDA	*69.4 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*108 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*114 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*111 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*36.1 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*81.5 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*98.6 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*102 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*130 %*			*25-200*					
	Surrogate: M9PFNA	*101 %*			*25-150*					

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/19/2022 14:34	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/19/2022 14:34	CM

	Surrogate Recoveries	Result	Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*	*87.0 %*	*30-130*

Sample Information

Client Sample ID: Trip Blank **York Sample ID:** 22D0574-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0574-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JTG

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22D0574-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40	04/15/2022 17:39	JTG CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0574-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/15/2022 17:39	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/15/2022 17:39	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/15/2022 06:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/15/2022 17:39	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/15/2022 17:39	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/15/2022 06:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/15/2022 17:39	JTG

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*69-130*

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0574-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0574	31402218.000 Westchester County Airport (WCA)	Water	April 11, 2022 3:00 pm	04/12/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*			*79-122*						

Analytical Batch Summary

Batch ID: BD20948 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22D0574-01	DPW-2	04/15/22
22D0574-02	FMW-25	04/15/22
22D0574-03	FMW-3	04/15/22
22D0574-04	FMW-26	04/15/22
22D0574-05	MW-57	04/15/22
22D0574-06	FMW-8	04/15/22
22D0574-06RE1	FMW-8	04/15/22
22D0574-07	MW-51	04/15/22
22D0574-08	FMW-16	04/15/22
22D0574-09	FMW-15	04/15/22
22D0574-10	FMW-17	04/15/22
22D0574-11	Field Blank	04/15/22
BD20948-BLK1	Blank	04/15/22
BD20948-BS1	LCS	04/15/22
BD20948-BSD1	LCS Dup	04/15/22

Batch ID: BD21047 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22D0574-01	DPW-2	04/15/22
22D0574-02	FMW-25	04/15/22
22D0574-06	FMW-8	04/15/22
22D0574-08	FMW-16	04/15/22
22D0574-11	Field Blank	04/15/22
22D0574-12	Trip Blank	04/15/22
BD21047-BLK1	Blank	04/15/22
BD21047-BS1	LCS	04/15/22
BD21047-BSD1	LCS Dup	04/15/22

Batch ID: BD21107 **Preparation Method:** Preparation for GC Analysis **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
22D0574-02	FMW-25	04/19/22
22D0574-11	Field Blank	04/19/22
BD21107-BLK1	Blank	04/19/22
BD21107-BS1	LCS	04/19/22

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
Batch BD21047 - EPA 5030B											
Blank (BD21047-BLK1)											Prepared & Analyzed: 04/15/2022
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	1.4	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21047 - EPA 5030B											
Blank (BD21047-BLK1)									Prepared & Analyzed: 04/15/2022		
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
LCS (BD21047-BS1)									Prepared & Analyzed: 04/15/2022		
1,1,1,2-Tetrachloroethane	9.2		ug/L	10.0		92.3	82-126				
1,1,1-Trichloroethane	8.9		"	10.0		88.8	78-136				
1,1,2,2-Tetrachloroethane	9.0		"	10.0		89.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.6		"	10.0		86.0	54-165				
1,1,2-Trichloroethane	8.6		"	10.0		85.6	82-123				
1,1-Dichloroethane	9.1		"	10.0		91.2	82-129				
1,1-Dichloroethylene	9.4		"	10.0		94.4	68-138				
1,2,3-Trichlorobenzene	7.4		"	10.0		74.3	40-130				
1,2,3-Trichloropropane	8.8		"	10.0		88.5	77-128				
1,2,4-Trichlorobenzene	7.8		"	10.0		77.7	65-137				
1,2,4-Trimethylbenzene	9.1		"	10.0		91.4	82-132				
1,2-Dibromo-3-chloropropane	7.1		"	10.0		70.8	45-147				
1,2-Dibromoethane	8.7		"	10.0		86.8	83-124				
1,2-Dichlorobenzene	9.1		"	10.0		91.3	79-123				
1,2-Dichloroethane	9.6		"	10.0		95.8	73-132				
1,2-Dichloropropane	10		"	10.0		103	78-126				
1,3,5-Trimethylbenzene	9.3		"	10.0		92.7	80-131				
1,3-Dichlorobenzene	8.7		"	10.0		87.3	86-130				
1,4-Dichlorobenzene	8.8		"	10.0		87.8	85-130				
1,4-Dioxane	200		"	210		93.0	10-349				
2-Butanone	8.1		"	10.0		80.9	49-152				
2-Hexanone	9.3		"	10.0		92.6	51-146				
4-Methyl-2-pentanone	9.3		"	10.0		92.8	57-145				
Acetone	9.2		"	10.0		92.5	14-150				
Acrolein	5.4		"	10.0		54.2	10-153				
Acrylonitrile	8.6		"	10.0		86.4	51-150				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21047 - EPA 5030B											
LCS (BD21047-BS1)								Prepared & Analyzed: 04/15/2022			
Benzene	8.7		ug/L	10.0		86.7	85-126				
Bromochloromethane	9.7		"	10.0		97.4	77-128				
Bromodichloromethane	9.4		"	10.0		93.9	79-128				
Bromoform	9.3		"	10.0		92.8	78-133				
Bromomethane	5.6		"	10.0		56.5	43-168				
Carbon disulfide	7.9		"	10.0		79.1	68-146				
Carbon tetrachloride	9.2		"	10.0		92.2	77-141				
Chlorobenzene	9.4		"	10.0		94.4	88-120				
Chloroethane	8.9		"	10.0		89.1	65-136				
Chloroform	9.0		"	10.0		89.8	82-128				
Chloromethane	6.0		"	10.0		60.4	43-155				
cis-1,2-Dichloroethylene	9.1		"	10.0		91.0	83-129				
cis-1,3-Dichloropropylene	9.0		"	10.0		90.1	80-131				
Cyclohexane	6.8		"	10.0		67.8	63-149				
Dibromochloromethane	8.7		"	10.0		87.4	80-130				
Dibromomethane	9.0		"	10.0		90.1	72-134				
Dichlorodifluoromethane	8.8		"	10.0		87.8	44-144				
Ethyl Benzene	10		"	10.0		99.9	80-131				
Hexachlorobutadiene	9.8		"	10.0		98.5	67-146				
Isopropylbenzene	9.5		"	10.0		95.4	76-140				
Methyl acetate	8.3		"	10.0		82.6	51-139				
Methyl tert-butyl ether (MTBE)	8.3		"	10.0		82.6	76-135				
Methylcyclohexane	9.2		"	10.0		91.5	72-143				
Methylene chloride	9.4		"	10.0		93.7	55-137				
n-Butylbenzene	9.7		"	10.0		96.9	79-132				
n-Propylbenzene	9.8		"	10.0		97.9	78-133				
o-Xylene	9.9		"	10.0		98.6	78-130				
p- & m- Xylenes	17		"	20.0		85.7	77-133				
p-Isopropyltoluene	9.3		"	10.0		93.1	81-136				
sec-Butylbenzene	9.4		"	10.0		94.0	79-137				
Styrene	9.2		"	10.0		91.6	67-132				
tert-Butyl alcohol (TBA)	38		"	50.0		75.6	25-162				
tert-Butylbenzene	7.5		"	10.0		74.7	77-138	Low Bias			
Tetrachloroethylene	8.9		"	10.0		89.4	82-131				
Toluene	9.4		"	10.0		94.1	80-127				
trans-1,2-Dichloroethylene	9.0		"	10.0		90.5	80-132				
trans-1,3-Dichloropropylene	9.0		"	10.0		89.9	78-131				
trans-1,4-dichloro-2-butene	8.7		"	10.0		87.1	63-141				
Trichloroethylene	8.9		"	10.0		88.6	82-128				
Trichlorofluoromethane	10		"	10.0		102	67-139				
Vinyl Chloride	9.4		"	10.0		94.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				

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

Batch BD21047 - EPA 5030B

LCS Dup (BD21047-BSD1) Prepared & Analyzed: 04/15/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.3		ug/L	10.0		93.0	82-126		0.756	30	
1,1,1-Trichloroethane	8.8		"	10.0		88.1	78-136		0.791	30	
1,1,2,2-Tetrachloroethane	9.2		"	10.0		91.9	76-129		2.53	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.2		"	10.0		82.0	54-165		4.76	30	
1,1,2-Trichloroethane	8.9		"	10.0		88.8	82-123		3.67	30	
1,1-Dichloroethane	9.1		"	10.0		90.7	82-129		0.550	30	
1,1-Dichloroethylene	9.0		"	10.0		90.4	68-138		4.33	30	
1,2,3-Trichlorobenzene	7.6		"	10.0		76.1	40-130		2.39	30	
1,2,3-Trichloropropane	9.2		"	10.0		91.5	77-128		3.33	30	
1,2,4-Trichlorobenzene	7.8		"	10.0		78.1	65-137		0.513	30	
1,2,4-Trimethylbenzene	9.0		"	10.0		89.8	82-132		1.77	30	
1,2-Dibromo-3-chloropropane	7.4		"	10.0		73.7	45-147		4.01	30	
1,2-Dibromoethane	9.0		"	10.0		89.9	83-124		3.51	30	
1,2-Dichlorobenzene	9.1		"	10.0		91.1	79-123		0.219	30	
1,2-Dichloroethane	9.7		"	10.0		96.9	73-132		1.14	30	
1,2-Dichloropropane	10		"	10.0		103	78-126		0.0972	30	
1,3,5-Trimethylbenzene	9.0		"	10.0		90.0	80-131		2.96	30	
1,3-Dichlorobenzene	8.6		"	10.0		86.0	86-130		1.50	30	
1,4-Dichlorobenzene	8.7		"	10.0		86.9	85-130		1.03	30	
1,4-Dioxane	210		"	210		99.6	10-349		6.87	30	
2-Butanone	8.4		"	10.0		84.3	49-152		4.12	30	
2-Hexanone	9.8		"	10.0		98.4	51-146		6.07	30	
4-Methyl-2-pentanone	9.7		"	10.0		97.1	57-145		4.53	30	
Acetone	8.7		"	10.0		86.9	14-150		6.24	30	
Acrolein	6.1		"	10.0		61.3	10-153		12.3	30	
Acrylonitrile	9.5		"	10.0		94.8	51-150		9.27	30	
Benzene	8.6		"	10.0		85.9	85-126		0.927	30	
Bromochloromethane	9.8		"	10.0		98.5	77-128		1.12	30	
Bromodichloromethane	9.4		"	10.0		94.0	79-128		0.106	30	
Bromoform	9.7		"	10.0		97.2	78-133		4.63	30	
Bromomethane	5.2		"	10.0		51.6	43-168		9.07	30	
Carbon disulfide	7.5		"	10.0		74.9	68-146		5.45	30	
Carbon tetrachloride	9.0		"	10.0		89.8	77-141		2.64	30	
Chlorobenzene	9.5		"	10.0		94.6	88-120		0.212	30	
Chloroethane	8.7		"	10.0		86.7	65-136		2.73	30	
Chloroform	9.0		"	10.0		90.3	82-128		0.555	30	
Chloromethane	5.4		"	10.0		54.3	43-155		10.6	30	
cis-1,2-Dichloroethylene	9.2		"	10.0		92.3	83-129		1.42	30	
cis-1,3-Dichloropropylene	9.2		"	10.0		91.8	80-131		1.87	30	
Cyclohexane	6.5		"	10.0		64.7	63-149		4.68	30	
Dibromochloromethane	8.9		"	10.0		89.4	80-130		2.26	30	
Dibromomethane	9.1		"	10.0		91.3	72-134		1.32	30	
Dichlorodifluoromethane	7.5		"	10.0		74.8	44-144		16.0	30	
Ethyl Benzene	10		"	10.0		100	80-131		0.200	30	
Hexachlorobutadiene	10		"	10.0		105	67-146		6.10	30	
Isopropylbenzene	9.2		"	10.0		92.4	76-140		3.19	30	
Methyl acetate	9.1		"	10.0		90.6	51-139		9.24	30	
Methyl tert-butyl ether (MTBE)	8.5		"	10.0		84.6	76-135		2.39	30	
Methylcyclohexane	8.9		"	10.0		89.1	72-143		2.66	30	
Methylene chloride	9.2		"	10.0		91.8	55-137		2.05	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
Batch BD21047 - EPA 5030B											
LCS Dup (BD21047-BSD1)								Prepared & Analyzed: 04/15/2022			
n-Butylbenzene	9.4		ug/L	10.0		94.2	79-132		2.83	30	
n-Propylbenzene	9.5		"	10.0		95.1	78-133		2.90	30	
o-Xylene	10		"	10.0		99.5	78-130		0.909	30	
p- & m- Xylenes	17		"	20.0		85.7	77-133		0.00	30	
p-Isopropyltoluene	9.2		"	10.0		91.7	81-136		1.52	30	
sec-Butylbenzene	9.2		"	10.0		91.5	79-137		2.70	30	
Styrene	9.3		"	10.0		93.2	67-132		1.73	30	
tert-Butyl alcohol (TBA)	40		"	50.0		79.3	25-162		4.77	30	
tert-Butylbenzene	7.3		"	10.0		72.7	77-138	Low Bias	2.71	30	
Tetrachloroethylene	8.9		"	10.0		89.0	82-131		0.448	30	
Toluene	9.4		"	10.0		93.5	80-127		0.640	30	
trans-1,2-Dichloroethylene	8.9		"	10.0		89.4	80-132		1.22	30	
trans-1,3-Dichloropropylene	9.3		"	10.0		93.0	78-131		3.39	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		89.9	63-141		3.16	30	
Trichloroethylene	8.8		"	10.0		87.5	82-128		1.25	30	
Trichlorofluoromethane	9.5		"	10.0		95.3	67-139		6.30	30	
Vinyl Chloride	8.7		"	10.0		86.9	58-145		8.06	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.74*		*"*	*10.0*		*97.4*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD20948 - SPE Ext-PFAS-EPA 537.1M											
Blank (BD20948-BLK1)											Prepared: 04/15/2022 Analyzed: 04/18/2022
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
N-EtFOSAA	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Surrogate: M3PFBS	*74.0*		"	*74.3*		*99.6*	*25-150*				
Surrogate: M5PFHxA	*80.3*		"	*80.0*		*100*	*25-150*				
Surrogate: M4PFHpA	*87.4*		"	*80.0*		*109*	*25-150*				
Surrogate: M3PFHxS	*71.1*		"	*75.7*		*94.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*73.1*		"	*80.0*		*91.4*	*25-150*				
Surrogate: M6PFDA	*67.4*		"	*80.0*		*84.3*	*25-150*				
Surrogate: M7PFUdA	*65.3*		"	*80.0*		*81.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*55.7*		"	*80.0*		*69.6*	*25-150*				
Surrogate: M2PFTeDA	*53.5*		"	*80.0*		*66.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.2*		"	*80.0*		*100*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.7*		"	*76.6*		*85.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.4*		"	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*13.9*		"	*80.0*		*17.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*48.7*		"	*80.0*		*60.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*57.5*		"	*80.0*		*71.8*	*25-150*				
Surrogate: M2-6:2 FTS	*66.5*		"	*75.9*		*87.5*	*25-200*				
Surrogate: M2-8:2 FTS	*97.2*		"	*76.6*		*127*	*25-200*				
Surrogate: M9PFNA	*69.5*		"	*80.0*		*86.9*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BD20948 - SPE Ext-PFAS-EPA 537.1M

LCS (BD20948-BS1) Prepared: 04/15/2022 Analyzed: 04/18/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	86.9	2.00	ng/L	76.8		113	50-175				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	74.3	5.00	"	76.0		97.8	50-175				
N-EtFOSAA	75.9	2.00	"	80.0		94.9	50-130				
N-MeFOSAA	81.7	2.00	"	80.0		102	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	72.6	2.00	"	77.2		94.1	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	81.6	2.00	"	76.4		107	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	95.7	2.00	"	80.0		120	50-130				
Perfluorobutanesulfonic acid (PFBS)	75.8	2.00	"	70.8		107	50-130				
Perfluorodecanoic acid (PFDA)	87.6	2.00	"	80.0		110	50-130				
Perfluorododecanoic acid (PFDoA)	90.8	2.00	"	80.0		114	50-130				
Perfluoroheptanoic acid (PFHpA)	78.9	2.00	"	80.0		98.6	50-130				
Perfluorohexanesulfonic acid (PFHxS)	83.2	2.00	"	72.8		114	50-130				
Perfluorohexanoic acid (PFHxA)	85.1	2.00	"	80.0		106	50-130				
Perfluoro-n-butanoic acid (PFBA)	87.4	2.00	"	80.0		109	50-130				
Perfluorononanoic acid (PFNA)	85.7	2.00	"	80.0		107	50-130				
Perfluorooctanesulfonic acid (PFOS)	84.4	2.00	"	74.0		114	50-130				
Perfluorooctanoic acid (PFOA)	89.3	2.00	"	80.0		112	50-130				
Perfluoropentanoic acid (PFPeA)	98.1	2.00	"	80.0		123	50-130				
Perfluorotetradecanoic acid (PFTA)	82.1	2.00	"	80.0		103	50-130				
Perfluorotridecanoic acid (PFTrDA)	83.2	2.00	"	80.0		104	50-130				
Perfluoroundecanoic acid (PFUnA)	84.1	2.00	"	80.0		105	50-130				
Surrogate: M3PFBS	*76.6*		*"*	*74.3*		*103*	*25-150*				
Surrogate: M5PFHxA	*80.3*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M4PFHpA	*87.1*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M3PFHxS	*72.3*		*"*	*75.7*		*95.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*79.2*		*"*	*80.0*		*98.9*	*25-150*				
Surrogate: M6PFDA	*73.7*		*"*	*80.0*		*92.1*	*25-150*				
Surrogate: M7PFUdA	*71.1*		*"*	*80.0*		*88.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*61.7*		*"*	*80.0*		*77.1*	*25-150*				
Surrogate: M2PFTeDA	*46.9*		*"*	*80.0*		*58.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*81.8*		*"*	*80.0*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*81.2*		*"*	*76.6*		*106*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*81.5*		*"*	*80.0*		*102*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*14.1*		*"*	*80.0*		*17.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*72.0*		*"*	*80.0*		*90.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*74.7*		*"*	*80.0*		*93.4*	*25-150*				
Surrogate: M2-6:2 FTS	*88.3*		*"*	*75.9*		*116*	*25-200*				
Surrogate: M2-8:2 FTS	*87.8*		*"*	*76.6*		*115*	*25-200*				
Surrogate: M9PFNA	*79.9*		*"*	*80.0*		*99.9*	*25-150*				

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

Batch BD20948 - SPE Ext-PFAS-EPA 537.1M

LCS Dup (BD20948-BSD1) Prepared: 04/15/2022 Analyzed: 04/18/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	66.0	2.00	ng/L	76.8		86.0	50-175		27.3	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	69.7	5.00	"	76.0		91.7	50-175		6.48	30	
N-EtFOSAA	79.1	2.00	"	80.0		98.8	50-130		4.06	30	
N-MeFOSAA	81.1	2.00	"	80.0		101	50-130		0.679	30	
Perfluoro-1-decanesulfonic acid (PFDS)	67.0	2.00	"	77.2		86.7	50-130		8.14	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.1	2.00	"	76.4		103	50-130		3.13	30	
Perfluoro-1-octanesulfonamide (FOSA)	87.3	2.00	"	80.0		109	50-130		9.28	30	
Perfluorobutanesulfonic acid (PFBS)	73.7	2.00	"	70.8		104	50-130		2.78	30	
Perfluorodecanoic acid (PFDA)	81.6	2.00	"	80.0		102	50-130		7.08	30	
Perfluorododecanoic acid (PFDoA)	80.8	2.00	"	80.0		101	50-130		11.7	30	
Perfluoroheptanoic acid (PFHpA)	76.2	2.00	"	80.0		95.2	50-130		3.50	30	
Perfluorohexanesulfonic acid (PFHxS)	77.9	2.00	"	72.8		107	50-130		6.58	30	
Perfluorohexanoic acid (PFHxA)	81.9	2.00	"	80.0		102	50-130		3.85	30	
Perfluoro-n-butanoic acid (PFBA)	78.8	2.00	"	80.0		98.5	50-130		10.4	30	
Perfluorononanoic acid (PFNA)	75.3	2.00	"	80.0		94.1	50-130		12.9	30	
Perfluorooctanesulfonic acid (PFOS)	77.7	2.00	"	74.0		105	50-130		8.30	30	
Perfluorooctanoic acid (PFOA)	82.5	2.00	"	80.0		103	50-130		7.90	30	
Perfluoropentanoic acid (PFPeA)	90.5	2.00	"	80.0		113	50-130		8.12	30	
Perfluorotetradecanoic acid (PFTA)	75.3	2.00	"	80.0		94.1	50-130		8.74	30	
Perfluorotridecanoic acid (PFTrDA)	74.4	2.00	"	80.0		93.0	50-130		11.2	30	
Perfluoroundecanoic acid (PFUnA)	82.2	2.00	"	80.0		103	50-130		2.29	30	
Surrogate: M3PFBS	*70.2*		"	*74.3*		*94.5*	*25-150*				
Surrogate: M5PFHxA	*76.5*		"	*80.0*		*95.7*	*25-150*				
Surrogate: M4PFHpA	*81.6*		"	*80.0*		*102*	*25-150*				
Surrogate: M3PFHxS	*70.5*		"	*75.7*		*93.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.0*		"	*80.0*		*95.0*	*25-150*				
Surrogate: M6PFDA	*68.2*		"	*80.0*		*85.2*	*25-150*				
Surrogate: M7PFUdA	*63.1*		"	*80.0*		*78.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*59.8*		"	*80.0*		*74.7*	*25-150*				
Surrogate: M2PFTeDA	*52.2*		"	*80.0*		*65.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*83.3*		"	*80.0*		*104*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.4*		"	*76.6*		*101*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*79.0*		"	*80.0*		*98.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*21.0*		"	*80.0*		*26.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.3*		"	*80.0*		*74.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*58.8*		"	*80.0*		*73.5*	*25-150*				
Surrogate: M2-6:2 FTS	*82.0*		"	*75.9*		*108*	*25-200*				
Surrogate: M2-8:2 FTS	*84.3*		"	*76.6*		*110*	*25-200*				
Surrogate: M9PFNA	*75.5*		"	*80.0*		*94.4*	*25-150*				

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
Batch BD21107 - Preparation for GC Analysis											
Blank (BD21107-BLK1)								Prepared & Analyzed: 04/19/2022			
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	"								
Surrogate: 1,4-Butanediol	*55.5*		*"*	*50.0*		*111*	*30-130*				
LCS (BD21107-BS1)								Prepared & Analyzed: 04/19/2022			
Ethylene Glycol	47.1	10.0	mg/L	50.0		94.3	60-140				
Propylene Glycol	46.6	10.0	"	50.0		93.3	60-140				
Surrogate: 1,4-Butanediol	*54.4*		*"*	*50.0*		*109*	*30-130*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22D0574-01	DPW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0574-02	FMW-25	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0574-06	FMW-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0574-08	FMW-16	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0574-11	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0574-12	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSUBS	The aqueous smaple contained appreciable levels of sediment requiring sub-sampling by decantation.
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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

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

YORK Project No. 22DOJ74

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
WSP USA			31402218.000	RUSH - Next Day
500 Summit Lake Dr	Same	Same	YOUR Project Name: Westchester County Airport (WCA)	RUSH - Two Day
Valhalla NY 10595				RUSH - Three Day
914 694 5711				RUSH - Four Day
John Benvegna				Standard (5-7 Day) X
John.Benvegna@wsp.com			YOUR PO#:	

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

Mike Reiff

Samples Collected by: (print AND sign your name)

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

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested: EPA 537	8260 Full list	1,4 Dioxane	Metals	Container Description
DPW-2	GW	4/11/22 0950	X	X			
FMW-25		1020		X		X	
FMW-3		1045					
FMW-26		1130					
FMW-57		1215					
FMW-8		1300		X			
MW-51		1400					
FMW-16		1440		X			
FMW-15		1520					

Comments:

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

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

Special Instruction: Field Filtered; Lab to Filter

4/11/22 1630	Client York 4-12-22 1210	Client York 4-12-22 1407
		4/12/22 1405 2.3

YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

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

YORK Project No. 22D0574

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:
WSP USA		
500 Summit Lake Dr Valhalla NY 10595	Same	Same
914 694 5711		
John Benvegna		
John.Benvegna@wsp.com		

YOUR Project Number: 31402218.000

YOUR Project Name: Westchester County Airport (WCA

YOUR PO#:

Turn-Around Time
- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) X

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

Mike Reiff

Samples Collected by: (print AND sign your name)

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

Samples From
- New York X
- New Jersey
- Connecticut
- Pennsylvania
- Other:

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested: EPA 537	8260 Full List	1,4 Dioxane	Grab/s	Container Description
FMW-17	GW	4/11/22 1545	X				
Field Blank	DI	1600	X	X		X	
Trip Blank	V			X			

Comments:

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

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

Special Instruction
- Field Filtered
- Lab to Filter

Sample Relinquished by / Company	Date/Time	Sample Received by / Company	Date/Time	Sample Relinquished by / Company	Date/Time
	4/11/22 1630	Chris C York	4-12-22 1200	Chris C York	4-12-22 1401
					4/12/22 1401

Technical Report

prepared for:

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

Report Date: 05/23/2022
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 22D0624

Revision No. 1.0

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 05/23/2022
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 22D0624

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 13, 2022 and listed below. The project was identified as your project: **31402218.000 Westchester County Airport (WCA)**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22D0624-01	Hanger E MW-1	Water	04/12/2022	04/13/2022
22D0624-02	Hanger E MW-4	Water	04/12/2022	04/13/2022
22D0624-03	MW-7S	Water	04/12/2022	04/13/2022
22D0624-04	FMW-37	Water	04/12/2022	04/13/2022
22D0624-05	FMW-35	Water	04/12/2022	04/13/2022
22D0624-06	FMW-40	Water	04/12/2022	04/13/2022
22D0624-07	FMW-31	Water	04/12/2022	04/13/2022
22D0624-08	Field Duplicate	Water	04/12/2022	04/13/2022
22D0624-09	Field Blank	Water	04/12/2022	04/13/2022
22D0624-10	Trip Blank	Water	04/12/2022	04/13/2022

General Notes for York Project (SDG) No.: 22D0624

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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 05/23/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **Hanger E MW-1** **York Sample ID:** **22D0624-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 10:00 am	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
75-34-3	**1,1-Dichloroethane**	**17**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
75-35-4	**1,1-Dichloroethylene**	**37**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
95-50-1	**1,2-Dichlorobenzene**	**0.29**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM

Sample Information

Client Sample ID: Hanger E MW-1 **York Sample ID:** 22D0624-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 10:00 am	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
71-43-2	**Benzene**	**0.56**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
75-00-3	**Chloroethane**	**40**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
156-59-2	**cis-1,2-Dichloroethylene**	**4.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
110-82-7	**Cyclohexane**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
100-41-4	**Ethyl Benzene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:13	JM

Sample Information

Client Sample ID: **Hanger E MW-1** **York Sample ID:** **22D0624-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 10:00 am	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	**Isopropylbenzene**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**1.7**		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	**tert-Butylbenzene**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.35**	J	ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	**Trichloroethylene**	**0.70**		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**88**		ug/L	1.0	2.5	5	EPA 8260C	04/19/2022 09:00	04/19/2022 13:36	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**2.0**		ug/L	0.60	1.5	1	EPA 8260C	04/18/2022 09:00	04/19/2022 02:13	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

Sample Information

Client Sample ID: Hanger E MW-1 **York Sample ID:** 22D0624-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 10:00 am	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.0 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*79-122*

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

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**920**	S-Diox	ug/L	15.0	50	EPA 8270D SIM	04/15/2022 07:48	04/19/2022 09:31	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*%*	S-Diox	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**393**		ng/L	31.2	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**386**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL

Sample Information

Client Sample ID: Hanger E MW-1 **York Sample ID:** 22D0624-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 10:00 am	04/13/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**821**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**413**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**13.1**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**294**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**3570**		ng/L	62.5	5	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 16:27	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*94.0 %*	*25-150*
Surrogate: M5PFHxA	*84.2 %*	*25-150*
Surrogate: M4PFHpA	*108 %*	*25-150*
Surrogate: M3PFHxS	*91.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.1 %*	*25-150*
Surrogate: M6PFDA	*82.3 %*	*25-150*
Surrogate: M7PFUdA	*75.0 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.7 %*	*25-150*
Surrogate: M2PFTeDA	*62.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*100 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*27.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*71.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*81.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*104 %*	*25-200*
Surrogate: M2-8:2 FTS	*124 %*	*25-200*

Sample Information

Client Sample ID: **Hanger E MW-1** **York Sample ID:** **22D0624-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 10:00 am	04/13/2022

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M9PFNA	*87.7 %*			*25-150*					

Glycols, Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 10:43	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 10:43	CM

	Surrogate Recoveries	Result	Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*	*90.8 %*	*30-130*

Sample Information

Client Sample ID: **Hanger E MW-4** **York Sample ID:** **22D0624-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 11:00 am	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
75-34-3	**1,1-Dichloroethane**	**0.38**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
75-35-4	**1,1-Dichloroethylene**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM

Sample Information

Client Sample ID: Hanger E MW-4 **York Sample ID:** 22D0624-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 11:00 am	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 02:40	JM

Sample Information

Client Sample ID: Hanger E MW-4 **York Sample ID:** 22D0624-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 11:00 am	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	**cis-1,2-Dichloroethylene**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: Hanger E MW-4 **York Sample ID:** 22D0624-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 11:00 am	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 02:40	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*90.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**25.2**		ug/L	0.300	1	EPA 8270D SIM Certifications:	04/15/2022 07:48	04/15/2022 16:05	KH NJDEP,NELAC-NY10854

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*96.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: **PFSUBS**

Sample Information

Client Sample ID: **Hanger E MW-4** **York Sample ID:** **22D0624-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 11:00 am	04/13/2022

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**167**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**2990**		ng/L	156	5	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:24	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**780**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**24.3**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**1300**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**607**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**48.6**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**88.1**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**582**		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**5730**		ng/L	62.5	5	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:24	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 18:37	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*93.3 %*	*25-150*
Surrogate: M5PFHxA	*87.2 %*	*25-150*

Sample Information

Client Sample ID: **Hanger E MW-4** **York Sample ID:** **22D0624-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 11:00 am	04/13/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M4PFHpA	*107 %*			*25-150*					
	Surrogate: M3PFHxS	*103 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.8 %*			*25-150*					
	Surrogate: M6PFDA	*84.6 %*			*25-150*					
	Surrogate: M7PFUdA	*80.0 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*67.6 %*			*25-150*					
	Surrogate: M2PFTeDA	*54.5 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*82.9 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*95.6 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*69.6 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*81.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*42.0 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*91.1 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*92.6 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*155 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*91.7 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*137 %*			*25-200*					
	Surrogate: M9PFNA	*92.4 %*			*25-150*					

Sample Information

Client Sample ID: **MW-7S** **York Sample ID:** **22D0624-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 12:00 pm	04/13/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**2.0**		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:07	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW-7S** **York Sample ID:** **22D0624-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 12:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-34-3	**1,1-Dichloroethane**	**33**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-35-4	**1,1-Dichloroethylene**	**6.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
78-93-3	**2-Butanone**	**20**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
67-64-1	**Acetone**	**2600**		ug/L	100	200	100	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:29	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM

Sample Information

Client Sample ID: **MW-7S** **York Sample ID:** **22D0624-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 12:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
156-59-2	**cis-1,2-Dichloroethylene**	**19**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM

Sample Information

Client Sample ID: MW-7S

York Sample ID: 22D0624-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 12:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/19/2022 03:07	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/19/2022 03:07	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
127-18-4	**Tetrachloroethylene**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
156-60-5	**trans-1,2-Dichloroethylene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/19/2022 03:07	JM
79-01-6	**Trichloroethylene**	**8.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
75-01-4	**Vinyl Chloride**	**5.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:07	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/19/2022 03:07	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

Sample Information

Client Sample ID: **MW-7S** **York Sample ID:** **22D0624-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 12:00 pm	04/13/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**18.1**		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	04/15/2022 07:48	04/15/2022 16:22	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*76.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**5.74**		ng/L	4.63	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
2991-50-6	* **N-EtFOSAA**	**2.35**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**1.88**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
754-91-6	* **Perfluoro-1-octanesulfonamide (FOSA)**	**2.35**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
375-73-5	* **Perfluorobutanesulfonic acid (PFBS)**	**9.22**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
335-76-2	* **Perfluorodecanoic acid (PFDA)**	**3.19**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**16.6**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**29.1**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**32.3**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**26.9**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**14.3**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**103**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL

Sample Information

Client Sample ID: MW-7S **York Sample ID:** 22D0624-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 12:00 pm	04/13/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**49.8**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**27.3**		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 19:15	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*126 %*		*25-150*
Surrogate: M5PFHxA	*125 %*		*25-150*
Surrogate: M4PFHpA	*127 %*		*25-150*
Surrogate: M3PFHxS	*133 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.5 %*		*25-150*
Surrogate: M6PFDA	*104 %*		*25-150*
Surrogate: M7PFUdA	*91.2 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*60.2 %*		*25-150*
Surrogate: M2PFTeDA	*35.1 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*36.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*101 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*144 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.20 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*87.0 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*113 %*		*25-150*
Surrogate: M2-6:2 FTS	*251 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*214 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*93.2 %*		*25-150*

Sample Information

Client Sample ID: FMW-37 **York Sample ID:** 22D0624-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 12:30 pm	04/13/2022

Sample Information

Client Sample ID: **FMW-37** **York Sample ID:** **22D0624-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 12:30 pm	04/13/2022

Glycols, Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 10:59	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 10:59	CM

	Surrogate Recoveries	Result	Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*	*107 %*	*30-130*

Sample Information

Client Sample ID: **FMW-35** **York Sample ID:** **22D0624-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 1:35 pm	04/13/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**4.74**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**3.27**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL

Sample Information

Client Sample ID: **FMW-35** **York Sample ID:** **22D0624-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 1:35 pm	04/13/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**68.3**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**5.96**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**11.1**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**2.07**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**127**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**19.2**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**4.38**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:07	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.1 %*	*25-150*
Surrogate: M5PFHxA	*74.8 %*	*25-150*
Surrogate: M4PFHpA	*95.8 %*	*25-150*
Surrogate: M3PFHxS	*82.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.7 %*	*25-150*
Surrogate: M6PFDA	*73.2 %*	*25-150*
Surrogate: M7PFUdA	*73.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*62.6 %*	*25-150*
Surrogate: M2PFTeDA	*63.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*65.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*85.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*21.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*68.4 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*72.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*84.0 %*	*25-200*

Sample Information

Client Sample ID: FMW-35 **York Sample ID:** 22D0624-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 1:35 pm	04/13/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M2-8:2 FTS	*115 %*		*25-200*						
	Surrogate: M9PFNA	*75.4 %*		*25-150*						

Sample Information

Client Sample ID: FMW-40 **York Sample ID:** 22D0624-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:00 pm	04/13/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 03:33	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **FMW-40** **York Sample ID:** **22D0624-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-64-1	**Acetone**	**1.5**	J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: FMW-40 **York Sample ID:** 22D0624-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 03:33 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: **FMW-40** **York Sample ID:** **22D0624-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:33	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:33	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:33	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/19/2022 03:33	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:33	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:33	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 03:33	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/19/2022 03:33	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*93.6 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**21.9**		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**20.8**		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL

Sample Information

Client Sample ID: **FMW-40** **York Sample ID:** **22D0624-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:00 pm	04/13/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**46.2**		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**513**		ng/L	25.0	5	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:33	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**80.5**		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**51.7**		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**202**		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**938**		ng/L	25.0	5	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:33	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**81.8**		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**91.4**		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 20:46	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.9 %*	*25-150*
Surrogate: M5PFHxA	*76.9 %*	*25-150*
Surrogate: M4PFHpA	*104 %*	*25-150*
Surrogate: M3PFHxS	*89.8 %*	*25-150*
Surrogate: M3PFHxS	*79.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*79.1 %*	*25-150*
Surrogate: M6PFDA	*78.0 %*	*25-150*
Surrogate: M7PFUdA	*78.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*72.7 %*	*25-150*
Surrogate: M2PFTeDA	*70.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*67.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*89.3 %*	*25-150*

Sample Information

Client Sample ID: **FMW-40** **York Sample ID:** **22D0624-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:00 pm	04/13/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*81.7 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*75.0 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*26.0 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*74.3 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*87.5 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*83.2 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*120 %*		*25-200*						
	Surrogate: M9PFNA	*74.7 %*		*25-150*						

Sample Information

Client Sample ID: **FMW-31** **York Sample ID:** **22D0624-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:40 pm	04/13/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM

Sample Information

Client Sample ID: **FMW-31** **York Sample ID:** **22D0624-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:40 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	**1,2,4-Trimethylbenzene**	**4.6**		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**2.7**		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**4.0**		ug/L	1.0	2.0	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:00	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **FMW-31** **York Sample ID:** **22D0624-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:40 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
156-59-2	**cis-1,2-Dichloroethylene**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
100-41-4	**Ethyl Benzene**	**0.53**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
98-82-8	**Isopropylbenzene**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
103-65-1	**n-Propylbenzene**	**1.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
95-47-6	**o-Xylene**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/19/2022 04:00	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/19/2022 04:00	JM
99-87-6	**p-Isopropyltoluene**	**0.51**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM

Sample Information

Client Sample ID: FMW-31 **York Sample ID:** 22D0624-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:40 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/19/2022 04:00	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 04:00	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/19/2022 04:00	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**93.1**		ng/L	62.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL

Sample Information

Client Sample ID: **FMW-31** **York Sample ID:** **22D0624-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:40 pm	04/13/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**76.8**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**51.6**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**45.1**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**825**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**148**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**194**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**45.6**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**4460**		ng/L	125	5	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:12	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**80.3**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**121**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:25	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*91.1 %*	*25-150*
Surrogate: M5PFHxA	*83.5 %*	*25-150*
Surrogate: M4PFHpA	*114 %*	*25-150*
Surrogate: M3PFHxS	*89.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*90.7 %*	*25-150*
Surrogate: M6PFDA	*87.8 %*	*25-150*
Surrogate: M7PFUdA	*85.1 %*	*25-150*

Sample Information

Client Sample ID: **FMW-31** **York Sample ID:** **22D0624-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 2:40 pm	04/13/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*81.6 %*		*25-150*						
	Surrogate: M2PFTeDA	*73.0 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*88.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*97.6 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*87.3 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*93.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*54.8 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*89.1 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*92.8 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*102 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*117 %*		*25-200*						
	Surrogate: M9PFNA	*88.4 %*		*25-150*						

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **22D0624-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**15**		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **22D0624-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	**1,1-Dichloroethylene**	**38**		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**0.66**		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **22D0624-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	**Chloroethane**	**37**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	**cis-1,2-Dichloroethylene**	**5.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	**Isopropylbenzene**	**0.29**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/19/2022 04:54	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **22D0624-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	**o-Xylene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**0.29**	J	ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**78**		ug/L	1.0	2.5	5	EPA 8260C	04/19/2022 09:00	04/19/2022 14:03	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**1.7**		ug/L	0.60	1.5	1	EPA 8260C	04/18/2022 09:00	04/19/2022 04:54	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**1360**	S-Diox	ug/L	30.0	100	EPA 8270D SIM	04/15/2022 07:48	04/19/2022 09:48	KH
							Certifications:	NJDEP,NELAC-NY10854		

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **22D0624-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**						
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*%*	S-Diox	*36.6-118*						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**387**		ng/L	62.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**383**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**839**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**428**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**271**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**2870**		ng/L	125	5	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 21:51	WL

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **22D0624-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:04	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.9 %*	*25-150*
Surrogate: M5PFHxA	*78.6 %*	*25-150*
Surrogate: M4PFHpA	*101 %*	*25-150*
Surrogate: M3PFHxS	*90.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.9 %*	*25-150*
Surrogate: M6PFDA	*77.3 %*	*25-150*
Surrogate: M7PFUdA	*73.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*64.7 %*	*25-150*
Surrogate: M2PFTeDA	*68.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*90.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*100 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*71.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*19.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*61.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*65.6 %*	*25-150*
Surrogate: M2-6:2 FTS	*91.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*129 %*	*25-200*
Surrogate: M9PFNA	*90.0 %*	*25-150*

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 11:25	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 11:25	CM

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **22D0624-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

Glycols, Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-63-4	*Surrogate: 1,4-Butanediol*	*90.6 %*			*30-130*					

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0624-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: Field Blank

York Sample ID: 22D0624-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0624-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-09-2	**Methylene chloride**	**8.7**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0624-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:31 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*79-122*

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

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**0.608**		ug/L	0.300	1	EPA 8270D SIM Certifications:	04/15/2022 07:48	04/15/2022 16:57 NJDEP,NELAC-NY10854	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*80.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0624-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 22:56	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*79.9 %*	*25-150*
Surrogate: M5PFHxA	*77.6 %*	*25-150*
Surrogate: M4PFHpA	*102 %*	*25-150*
Surrogate: M3PFHxS	*76.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.0 %*	*25-150*
Surrogate: M6PFDA	*67.9 %*	*25-150*
Surrogate: M7PFUdA	*62.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*58.4 %*	*25-150*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0624-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M2PFTeDA	*51.7 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*90.1 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*68.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*74.4 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*27.9 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*44.8 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*50.7 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*76.9 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*98.7 %*			*25-200*					
	Surrogate: M9PFNA	*74.2 %*			*25-150*					

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0624-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/18/2022 23:58	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/18/2022 23:58	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/18/2022 23:58	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/18/2022 23:58	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/18/2022 23:58	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/18/2022 23:58	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/18/2022 23:58	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/18/2022 09:00	04/18/2022 23:58	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0624-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/18/2022 23:58	JM

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22D0624-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58	JM CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0624-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0624	31402218.000 Westchester County Airport (WCA)	Water	April 12, 2022 3:00 pm	04/13/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/18/2022 09:00	04/18/2022 23:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

Analytical Batch Summary

Batch ID: BD20932 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22D0624-01	Hanger E MW-1	04/15/22
22D0624-02	Hanger E MW-4	04/15/22
22D0624-03	MW-7S	04/15/22
22D0624-08	Field Duplicate	04/15/22
22D0624-09	Field Blank	04/15/22
BD20932-BLK1	Blank	04/15/22
BD20932-BS1	LCS	04/15/22
BD20932-MS1	Matrix Spike	04/15/22
BD20932-MSD1	Matrix Spike Dup	04/15/22

Batch ID: BD21038 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22D0624-01	Hanger E MW-1	04/18/22
22D0624-02	Hanger E MW-4	04/18/22
22D0624-03	MW-7S	04/18/22
22D0624-06	FMW-40	04/18/22
22D0624-07	FMW-31	04/18/22
22D0624-08	Field Duplicate	04/18/22
22D0624-09	Field Blank	04/18/22
22D0624-10	Trip Blank	04/18/22
BD21038-BLK1	Blank	04/18/22
BD21038-BS1	LCS	04/18/22
BD21038-BSD1	LCS Dup	04/18/22
BD21038-MS1	Matrix Spike	04/18/22
BD21038-MSD1	Matrix Spike Dup	04/18/22

Batch ID: BD21084 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22D0624-01	Hanger E MW-1	04/18/22
22D0624-01RE1	Hanger E MW-1	04/18/22
22D0624-01RE2	Hanger E MW-1	04/18/22
22D0624-02	Hanger E MW-4	04/18/22
22D0624-02RE1	Hanger E MW-4	04/18/22
22D0624-02RE2	Hanger E MW-4	04/18/22
22D0624-03	MW-7S	04/18/22
22D0624-03RE1	MW-7S	04/18/22
22D0624-03RE2	MW-7S	04/18/22
22D0624-05	FMW-35	04/18/22
22D0624-05RE1	FMW-35	04/18/22
22D0624-05RE2	FMW-35	04/18/22
22D0624-06	FMW-40	04/18/22
22D0624-06RE1	FMW-40	04/18/22
22D0624-06RE2	FMW-40	04/18/22

22D0624-07	FMW-31	04/18/22
22D0624-07RE1	FMW-31	04/18/22
22D0624-07RE2	FMW-31	04/18/22
22D0624-08	Field Duplicate	04/18/22
22D0624-08RE1	Field Duplicate	04/18/22
22D0624-08RE2	Field Duplicate	04/18/22
22D0624-09	Field Blank	04/18/22
22D0624-09RE1	Field Blank	04/18/22
22D0624-09RE2	Field Blank	04/18/22
BD21084-BLK1	Blank	04/18/22
BD21084-BS1	LCS	04/18/22
BD21084-MS1	Matrix Spike	04/18/22
BD21084-MS2	Matrix Spike	04/18/22
BD21084-MS3	Matrix Spike	04/18/22
BD21084-MS5	Matrix Spike	04/18/22
BD21084-MS6	Matrix Spike	04/18/22
BD21084-MSD1	Matrix Spike Dup	04/18/22
BD21084-MSD2	Matrix Spike Dup	04/18/22
BD21084-MSD3	Matrix Spike Dup	04/18/22
BD21084-MSD4	Matrix Spike Dup	04/18/22
BD21084-MSD5	Matrix Spike Dup	04/18/22
BD21084-MSD6	Matrix Spike Dup	04/18/22

Batch ID: BD21107 **Preparation Method:** Preparation for GC Analysis **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
22D0624-01	Hanger E MW-1	04/19/22
22D0624-04	FMW-37	04/19/22
22D0624-08	Field Duplicate	04/19/22
BD21107-BLK1	Blank	04/19/22
BD21107-BS1	LCS	04/19/22
BD21107-DUP1	Duplicate	04/19/22
BD21107-MS1	Matrix Spike	04/19/22

Batch ID: BD21137 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22D0624-01RE1	Hanger E MW-1	04/19/22
22D0624-08RE1	Field Duplicate	04/19/22
BD21137-BLK1	Blank	04/19/22
BD21137-BS1	LCS	04/19/22
BD21137-BSD1	LCS Dup	04/19/22

Batch ID: BD21208 **Preparation Method:** EPA 5030B **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
22D0624-03RE1	MW-7S	04/20/22
BD21208-BLK1	Blank	04/20/22
BD21208-BS1	LCS	04/20/22
BD21208-BSD1	LCS Dup	04/20/22

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
Batch BD21038 - EPA 5030B											
Blank (BD21038-BLK1)											Prepared & Analyzed: 04/18/2022
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21038 - EPA 5030B											
Blank (BD21038-BLK1)								Prepared & Analyzed: 04/18/2022			
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.18*		*"*	*10.0*		*91.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				
LCS (BD21038-BS1)								Prepared & Analyzed: 04/18/2022			
1,1,1,2-Tetrachloroethane	9.0		ug/L	10.0		89.5	82-126				
1,1,1-Trichloroethane	9.7		"	10.0		97.1	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		102	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.9		"	10.0		89.0	54-165				
1,1,2-Trichloroethane	9.1		"	10.0		91.2	82-123				
1,1-Dichloroethane	9.7		"	10.0		97.2	82-129				
1,1-Dichloroethylene	9.7		"	10.0		96.7	68-138				
1,2,3-Trichlorobenzene	7.9		"	10.0		79.4	40-130				
1,2,3-Trichloropropane	10		"	10.0		104	77-128				
1,2,4-Trichlorobenzene	7.9		"	10.0		79.3	65-137				
1,2,4-Trimethylbenzene	9.2		"	10.0		91.8	82-132				
1,2-Dibromo-3-chloropropane	8.4		"	10.0		83.7	45-147				
1,2-Dibromoethane	9.7		"	10.0		97.0	83-124				
1,2-Dichlorobenzene	9.2		"	10.0		91.6	79-123				
1,2-Dichloroethane	10		"	10.0		100	73-132				
1,2-Dichloropropane	9.5		"	10.0		95.0	78-126				
1,3,5-Trimethylbenzene	9.1		"	10.0		91.2	80-131				
1,3-Dichlorobenzene	9.2		"	10.0		91.8	86-130				
1,4-Dichlorobenzene	9.1		"	10.0		91.1	85-130				
1,4-Dioxane	4.2		"	210		2.02	10-349	Low Bias			
2-Butanone	9.3		"	10.0		93.4	49-152				
2-Hexanone	8.8		"	10.0		88.5	51-146				
4-Methyl-2-pentanone	8.0		"	10.0		80.0	57-145				
Acetone	5.9		"	10.0		59.0	14-150				
Acrolein	9.3		"	10.0		93.4	10-153				
Acrylonitrile	11		"	10.0		109	51-150				

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
Batch BD21038 - EPA 5030B											
LCS (BD21038-BS1)								Prepared & Analyzed: 04/18/2022			
Benzene	9.9		ug/L	10.0		99.2	85-126				
Bromochloromethane	11		"	10.0		106	77-128				
Bromodichloromethane	9.0		"	10.0		90.5	79-128				
Bromoform	9.7		"	10.0		97.0	78-133				
Bromomethane	4.8		"	10.0		47.9	43-168				
Carbon disulfide	11		"	10.0		105	68-146				
Carbon tetrachloride	9.6		"	10.0		95.8	77-141				
Chlorobenzene	9.7		"	10.0		97.0	88-120				
Chloroethane	11		"	10.0		111	65-136				
Chloroform	10		"	10.0		99.7	82-128				
Chloromethane	9.9		"	10.0		98.7	43-155				
cis-1,2-Dichloroethylene	9.6		"	10.0		96.2	83-129				
cis-1,3-Dichloropropylene	9.2		"	10.0		92.3	80-131				
Cyclohexane	8.9		"	10.0		89.3	63-149				
Dibromochloromethane	8.8		"	10.0		87.9	80-130				
Dibromomethane	9.0		"	10.0		89.9	72-134				
Dichlorodifluoromethane	11		"	10.0		111	44-144				
Ethyl Benzene	9.1		"	10.0		91.3	80-131				
Hexachlorobutadiene	7.2		"	10.0		72.4	67-146				
Isopropylbenzene	9.5		"	10.0		94.9	76-140				
Methyl acetate	10		"	10.0		100	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135				
Methylcyclohexane	7.0		"	10.0		70.0	72-143	Low Bias			
Methylene chloride	8.4		"	10.0		84.3	55-137				
n-Butylbenzene	8.5		"	10.0		84.9	79-132				
n-Propylbenzene	9.1		"	10.0		90.6	78-133				
o-Xylene	9.3		"	10.0		93.1	78-130				
p- & m- Xylenes	18		"	20.0		92.2	77-133				
p-Isopropyltoluene	8.8		"	10.0		88.4	81-136				
sec-Butylbenzene	8.9		"	10.0		89.4	79-137				
Styrene	9.1		"	10.0		90.7	67-132				
tert-Butyl alcohol (TBA)	50		"	50.0		100	25-162				
tert-Butylbenzene	8.7		"	10.0		86.8	77-138				
Tetrachloroethylene	5.6		"	10.0		56.5	82-131	Low Bias			
Toluene	9.1		"	10.0		91.1	80-127				
trans-1,2-Dichloroethylene	9.7		"	10.0		97.2	80-132				
trans-1,3-Dichloropropylene	9.3		"	10.0		93.2	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		102	63-141				
Trichloroethylene	9.1		"	10.0		90.6	82-128				
Trichlorofluoromethane	10		"	10.0		104	67-139				
Vinyl Chloride	11		"	10.0		109	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.22*		*"*	*10.0*		*92.2*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21038 - EPA 5030B											
LCS Dup (BD21038-BSD1)							Prepared & Analyzed: 04/18/2022				
1,1,1,2-Tetrachloroethane	8.9		ug/L	10.0		88.6	82-126		1.01	30	
1,1,1-Trichloroethane	9.3		"	10.0		93.3	78-136		3.99	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129		1.59	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.5		"	10.0		85.4	54-165		4.13	30	
1,1,2-Trichloroethane	8.9		"	10.0		89.2	82-123		2.22	30	
1,1-Dichloroethane	9.4		"	10.0		94.1	82-129		3.24	30	
1,1-Dichloroethylene	9.5		"	10.0		94.6	68-138		2.20	30	
1,2,3-Trichlorobenzene	7.9		"	10.0		79.0	40-130		0.505	30	
1,2,3-Trichloropropane	10		"	10.0		100	77-128		3.82	30	
1,2,4-Trichlorobenzene	7.9		"	10.0		78.8	65-137		0.633	30	
1,2,4-Trimethylbenzene	8.9		"	10.0		88.8	82-132		3.32	30	
1,2-Dibromo-3-chloropropane	8.7		"	10.0		87.1	45-147		3.98	30	
1,2-Dibromoethane	9.8		"	10.0		97.8	83-124		0.821	30	
1,2-Dichlorobenzene	8.9		"	10.0		88.8	79-123		3.10	30	
1,2-Dichloroethane	10		"	10.0		99.6	73-132		0.601	30	
1,2-Dichloropropane	9.1		"	10.0		91.2	78-126		4.08	30	
1,3,5-Trimethylbenzene	8.6		"	10.0		85.8	80-131		6.10	30	
1,3-Dichlorobenzene	8.8		"	10.0		87.8	86-130		4.45	30	
1,4-Dichlorobenzene	8.9		"	10.0		88.7	85-130		2.67	30	
1,4-Dioxane	180		"	210		87.2	10-349		191	30	Non-dir.
2-Butanone	8.9		"	10.0		88.6	49-152		5.27	30	
2-Hexanone	8.9		"	10.0		89.0	51-146		0.563	30	
4-Methyl-2-pentanone	8.3		"	10.0		82.8	57-145		3.44	30	
Acetone	5.8		"	10.0		57.8	14-150		2.05	30	
Acrolein	4.5		"	10.0		45.2	10-153		69.6	30	Non-dir.
Acrylonitrile	9.2		"	10.0		91.9	51-150		17.3	30	
Benzene	9.7		"	10.0		96.6	85-126		2.66	30	
Bromochloromethane	10		"	10.0		105	77-128		0.949	30	
Bromodichloromethane	8.9		"	10.0		89.1	79-128		1.56	30	
Bromoform	9.4		"	10.0		94.1	78-133		3.04	30	
Bromomethane	4.8		"	10.0		47.8	43-168		0.209	30	
Carbon disulfide	10		"	10.0		99.8	68-146		5.27	30	
Carbon tetrachloride	9.4		"	10.0		93.9	77-141		2.00	30	
Chlorobenzene	9.4		"	10.0		94.1	88-120		3.04	30	
Chloroethane	11		"	10.0		106	65-136		4.79	30	
Chloroform	9.7		"	10.0		97.1	82-128		2.64	30	
Chloromethane	9.6		"	10.0		95.5	43-155		3.30	30	
cis-1,2-Dichloroethylene	9.2		"	10.0		91.6	83-129		4.90	30	
cis-1,3-Dichloropropylene	9.0		"	10.0		90.1	80-131		2.41	30	
Cyclohexane	8.6		"	10.0		86.0	63-149		3.76	30	
Dibromochloromethane	8.8		"	10.0		88.2	80-130		0.341	30	
Dibromomethane	8.9		"	10.0		89.3	72-134		0.670	30	
Dichlorodifluoromethane	11		"	10.0		106	44-144		4.60	30	
Ethyl Benzene	8.8		"	10.0		88.0	80-131		3.68	30	
Hexachlorobutadiene	6.7		"	10.0		66.8	67-146	Low Bias	8.05	30	
Isopropylbenzene	9.1		"	10.0		90.6	76-140		4.64	30	
Methyl acetate	9.7		"	10.0		97.3	51-139		2.94	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135		0.00	30	
Methylcyclohexane	6.7		"	10.0		67.3	72-143	Low Bias	3.93	30	
Methylene chloride	8.4		"	10.0		83.9	55-137		0.476	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21038 - EPA 5030B											
LCS Dup (BD21038-BSD1)								Prepared & Analyzed: 04/18/2022			
n-Butylbenzene	8.1		ug/L	10.0		80.6	79-132		5.20	30	
n-Propylbenzene	8.7		"	10.0		86.6	78-133		4.51	30	
o-Xylene	9.0		"	10.0		90.1	78-130		3.28	30	
p- & m- Xylenes	18		"	20.0		87.7	77-133		4.95	30	
p-Isopropyltoluene	8.4		"	10.0		84.5	81-136		4.51	30	
sec-Butylbenzene	8.5		"	10.0		85.1	79-137		4.93	30	
Styrene	8.7		"	10.0		87.4	67-132		3.71	30	
tert-Butyl alcohol (TBA)	54		"	50.0		108	25-162		7.67	30	
tert-Butylbenzene	8.2		"	10.0		82.5	77-138		5.08	30	
Tetrachloroethylene	5.4		"	10.0		54.5	82-131	Low Bias	3.60	30	
Toluene	8.7		"	10.0		87.4	80-127		4.15	30	
trans-1,2-Dichloroethylene	9.4		"	10.0		93.6	80-132		3.77	30	
trans-1,3-Dichloropropylene	9.2		"	10.0		91.8	78-131		1.51	30	
trans-1,4-dichloro-2-butene	10		"	10.0		101	63-141		1.48	30	
Trichloroethylene	8.6		"	10.0		86.0	82-128		5.21	30	
Trichlorofluoromethane	10		"	10.0		102	67-139		2.43	30	
Vinyl Chloride	10		"	10.0		104	58-145		4.42	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.00*		*"*	*10.0*		*90.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Matrix Spike (BD21038-MS1)	*Source sample: 22D0624-01 (Hanger E MW-1)							Prepared: 04/18/2022 Analyzed: 04/19/2022			
1,1,1,2-Tetrachloroethane	12		ug/L	10.0	0.0	124	45-161				
1,1,1-Trichloroethane	14		"	10.0	0.0	136	70-146				
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	134	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15		"	10.0	0.0	147	21-217				
1,1,2-Trichloroethane	12		"	10.0	0.0	123	59-146				
1,1-Dichloroethane	30		"	10.0	17	136	54-146				
1,1-Dichloroethylene	51		"	10.0	37	138	44-165				
1,2,3-Trichlorobenzene	9.4		"	10.0	0.0	94.0	40-161				
1,2,3-Trichloropropane	13		"	10.0	0.0	130	74-127	High Bias			
1,2,4-Trichlorobenzene	9.7		"	10.0	0.0	96.9	41-161				
1,2,4-Trimethylbenzene	12		"	10.0	0.0	121	72-129				
1,2-Dibromo-3-chloropropane	11		"	10.0	0.0	110	31-151				
1,2-Dibromoethane	13		"	10.0	0.0	130	75-125	High Bias			
1,2-Dichlorobenzene	12		"	10.0	0.29	118	63-122				
1,2-Dichloroethane	19		"	10.0	0.0	190	68-131	High Bias			
1,2-Dichloropropane	13		"	10.0	0.0	129	77-121	High Bias			
1,3,5-Trimethylbenzene	12		"	10.0	0.0	117	69-126				
1,3-Dichlorobenzene	11		"	10.0	0.0	114	74-119				
1,4-Dichlorobenzene	12		"	10.0	0.0	118	70-124				
1,4-Dioxane	1700		"	210	0.0	808	10-310	High Bias			
2-Butanone	12		"	10.0	0.0	125	10-193				
2-Hexanone	12		"	10.0	0.0	125	53-133				
4-Methyl-2-pentanone	11		"	10.0	0.0	110	38-150				
Acetone	9.6		"	10.0	0.0	95.9	13-149				
Acrolein	11		"	10.0	0.0	111	10-195				
Acrylonitrile	13		"	10.0	0.0	125	37-165				
Benzene	14		"	10.0	0.56	138	38-155				
Bromochloromethane	14		"	10.0	0.0	142	75-121	High Bias			

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
Batch BD21038 - EPA 5030B											
Matrix Spike (BD21038-MS1)	*Source sample: 22D0624-01 (Hanger E MW-1)							Prepared: 04/18/2022 Analyzed: 04/19/2022			
Bromodichloromethane	13		ug/L	10.0	0.0	125	70-129				
Bromoform	12		"	10.0	0.0	124	66-136				
Bromomethane	4.9		"	10.0	0.0	48.8	30-158				
Carbon disulfide	14		"	10.0	0.0	145	10-138	High Bias			
Carbon tetrachloride	14		"	10.0	0.0	139	71-146				
Chlorobenzene	13		"	10.0	0.0	127	81-117	High Bias			
Chloroethane	56		"	10.0	40	157	51-145	High Bias			
Chloroform	14		"	10.0	0.0	136	80-124	High Bias			
Chloromethane	15		"	10.0	0.0	146	16-163				
cis-1,2-Dichloroethylene	17		"	10.0	4.7	125	76-125				
cis-1,3-Dichloropropylene	12		"	10.0	0.0	118	58-131				
Cyclohexane	15		"	10.0	0.38	143	70-130	High Bias			
Dibromochloromethane	12		"	10.0	0.0	121	71-129				
Dibromomethane	12		"	10.0	0.0	123	76-120	High Bias			
Dichlorodifluoromethane	19		"	10.0	0.0	188	30-147	High Bias			
Ethyl Benzene	12		"	10.0	0.21	122	72-128				
Hexachlorobutadiene	8.6		"	10.0	0.0	85.5	34-166				
Isopropylbenzene	13		"	10.0	0.38	124	66-139				
Methyl acetate	13		"	10.0	0.0	133	10-200				
Methyl tert-butyl ether (MTBE)	14		"	10.0	0.0	135	75-128	High Bias			
Methylcyclohexane	11		"	10.0	0.0	111	70-130				
Methylene chloride	11		"	10.0	0.59	108	57-128				
n-Butylbenzene	10		"	10.0	0.0	103	61-138				
n-Propylbenzene	12		"	10.0	0.0	117	66-134				
o-Xylene	14		"	10.0	1.7	125	69-126				
p- & m- Xylenes	25		"	20.0	0.32	122	67-130				
p-Isopropyltoluene	11		"	10.0	0.32	106	64-137				
sec-Butylbenzene	12		"	10.0	0.36	112	53-155				
Styrene	12		"	10.0	0.0	122	69-125				
tert-Butyl alcohol (TBA)	75		"	50.0	0.0	151	10-130	High Bias			
tert-Butylbenzene	12		"	10.0	0.26	113	65-139				
Tetrachloroethylene	7.5		"	10.0	0.0	75.2	64-139				
Toluene	13		"	10.0	0.35	122	76-123				
trans-1,2-Dichloroethylene	14		"	10.0	0.0	136	79-131	High Bias			
trans-1,3-Dichloropropylene	12		"	10.0	0.0	119	55-130				
trans-1,4-dichloro-2-butene	13		"	10.0	0.0	132	25-155				
Trichloroethylene	13		"	10.0	0.70	120	53-145				
Trichlorofluoromethane	16		"	10.0	0.0	164	61-142	High Bias			
Vinyl Chloride	130		"	10.0	120	158	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.20*		*"*	*10.0*		*92.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*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
Batch BD21038 - EPA 5030B											
Matrix Spike Dup (BD21038-MSD1)	*Source sample: 22D0624-01 (Hanger E MW-1)								Prepared: 04/18/2022 Analyzed: 04/19/2022		
1,1,1,2-Tetrachloroethane	12		ug/L	10.0	0.0	116	45-161		7.33	30	
1,1,1-Trichloroethane	13		"	10.0	0.0	128	70-146		6.60	30	
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	126	74-121	High Bias	6.30	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14		"	10.0	0.0	135	21-217		8.37	30	
1,1,2-Trichloroethane	12		"	10.0	0.0	116	59-146		5.88	30	
1,1-Dichloroethane	29		"	10.0	17	124	54-146		9.49	30	
1,1-Dichloroethylene	49		"	10.0	37	122	44-165		12.7	30	
1,2,3-Trichlorobenzene	9.7		"	10.0	0.0	96.8	40-161		2.94	30	
1,2,3-Trichloropropane	12		"	10.0	0.0	125	74-127		4.00	30	
1,2,4-Trichlorobenzene	9.7		"	10.0	0.0	97.1	41-161		0.206	30	
1,2,4-Trimethylbenzene	12		"	10.0	0.0	115	72-129		4.66	30	
1,2-Dibromo-3-chloropropane	9.9		"	10.0	0.0	98.7	31-151		10.6	30	
1,2-Dibromoethane	12		"	10.0	0.0	120	75-125		7.99	30	
1,2-Dichlorobenzene	12		"	10.0	0.29	114	63-122		3.52	30	
1,2-Dichloroethane	18		"	10.0	0.0	179	68-131	High Bias	6.23	30	
1,2-Dichloropropane	12		"	10.0	0.0	118	77-121		8.56	30	
1,3,5-Trimethylbenzene	11		"	10.0	0.0	114	69-126		3.38	30	
1,3-Dichlorobenzene	11		"	10.0	0.0	113	74-119		1.06	30	
1,4-Dichlorobenzene	11		"	10.0	0.0	114	70-124		3.53	30	
1,4-Dioxane	1800		"	210	0.0	850	10-310	High Bias	5.04	30	
2-Butanone	12		"	10.0	0.0	117	10-193		6.46	30	
2-Hexanone	12		"	10.0	0.0	115	53-133		7.93	30	
4-Methyl-2-pentanone	10		"	10.0	0.0	101	38-150		8.14	30	
Acetone	7.8		"	10.0	0.0	77.7	13-149		21.0	30	
Acrolein	12		"	10.0	0.0	115	10-195		3.71	30	
Acrylonitrile	11		"	10.0	0.0	111	37-165		12.0	30	
Benzene	13		"	10.0	0.56	128	38-155		7.83	30	
Bromochloromethane	13		"	10.0	0.0	133	75-121	High Bias	6.40	30	
Bromodichloromethane	12		"	10.0	0.0	117	70-129		6.77	30	
Bromoform	12		"	10.0	0.0	121	66-136		2.62	30	
Bromomethane	6.1		"	10.0	0.0	61.1	30-158		22.4	30	
Carbon disulfide	14		"	10.0	0.0	140	10-138	High Bias	3.16	30	
Carbon tetrachloride	13		"	10.0	0.0	129	71-146		7.59	30	
Chlorobenzene	12		"	10.0	0.0	122	81-117	High Bias	4.26	30	
Chloroethane	50		"	10.0	40	97.1	51-145		47.0	30	Non-dir.
Chloroform	13		"	10.0	0.0	130	80-124	High Bias	4.28	30	
Chloromethane	14		"	10.0	0.0	137	16-163		6.64	30	
cis-1,2-Dichloroethylene	16		"	10.0	4.7	117	76-125		6.51	30	
cis-1,3-Dichloropropylene	11		"	10.0	0.0	108	58-131		8.73	30	
Cyclohexane	14		"	10.0	0.38	136	70-130	High Bias	4.65	30	
Dibromochloromethane	11		"	10.0	0.0	112	71-129		7.65	30	
Dibromomethane	11		"	10.0	0.0	114	76-120		6.91	30	
Dichlorodifluoromethane	17		"	10.0	0.0	174	30-147	High Bias	7.86	30	
Ethyl Benzene	12		"	10.0	0.21	115	72-128		6.32	30	
Hexachlorobutadiene	8.7		"	10.0	0.0	87.4	34-166		2.20	30	
Isopropylbenzene	12		"	10.0	0.38	120	66-139		3.45	30	
Methyl acetate	12		"	10.0	0.0	124	10-200		7.01	30	
Methyl tert-butyl ether (MTBE)	13		"	10.0	0.0	128	75-128		5.38	30	
Methylcyclohexane	11		"	10.0	0.0	110	70-130		0.994	30	
Methylene chloride	10		"	10.0	0.59	97.8	57-128		10.2	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
Batch BD21038 - EPA 5030B											
Matrix Spike Dup (BD21038-MSD1)	*Source sample: 22D0624-01 (Hanger E MW-1)								Prepared: 04/18/2022 Analyzed: 04/19/2022		
n-Butylbenzene	10		ug/L	10.0	0.0	103	61-138		0.0969	30	
n-Propylbenzene	11		"	10.0	0.0	114	66-134		2.69	30	
o-Xylene	13		"	10.0	1.7	116	69-126		7.48	30	
p- & m- Xylenes	23		"	20.0	0.32	115	67-130		5.60	30	
p-Isopropyltoluene	11		"	10.0	0.32	105	64-137		1.23	30	
sec-Butylbenzene	11		"	10.0	0.36	110	53-155		1.88	30	
Styrene	12		"	10.0	0.0	117	69-125		4.53	30	
tert-Butyl alcohol (TBA)	72		"	50.0	0.0	145	10-130	High Bias	4.08	30	
tert-Butylbenzene	11		"	10.0	0.26	110	65-139		2.61	30	
Tetrachloroethylene	7.3		"	10.0	0.0	72.9	64-139		3.11	30	
Toluene	12		"	10.0	0.35	116	76-123		5.80	30	
trans-1,2-Dichloroethylene	13		"	10.0	0.0	126	79-131		7.16	30	
trans-1,3-Dichloropropylene	11		"	10.0	0.0	110	55-130		7.16	30	
trans-1,4-dichloro-2-butene	13		"	10.0	0.0	126	25-155		4.89	30	
Trichloroethylene	12		"	10.0	0.70	114	53-145		4.36	30	
Trichlorofluoromethane	15		"	10.0	0.0	151	61-142	High Bias	8.64	30	
Vinyl Chloride	120		"	10.0	120	88.1	31-165		57.0	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.09*		*"*	*10.0*		*90.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Batch BD21137 - EPA 5030B											
Blank (BD21137-BLK1)									Prepared & Analyzed: 04/19/2022		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21137 - EPA 5030B											
Blank (BD21137-BLK1)											
Prepared & Analyzed: 04/19/2022											
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.14*		*"*	*10.0*		*91.4*	*81-117*				
Surrogate: SURR: 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
Batch BD21137 - EPA 5030B											
LCS (BD21137-BS1)								Prepared & Analyzed: 04/19/2022			
1,1,1,2-Tetrachloroethane	8.0		ug/L	10.0		79.8	82-126	Low Bias			
1,1,1-Trichloroethane	8.9		"	10.0		88.8	78-136				
1,1,2,2-Tetrachloroethane	8.7		"	10.0		86.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.6		"	10.0		96.3	54-165				
1,1,2-Trichloroethane	7.8		"	10.0		78.2	82-123	Low Bias			
1,1-Dichloroethane	9.0		"	10.0		90.1	82-129				
1,1-Dichloroethylene	9.2		"	10.0		91.6	68-138				
1,2,3-Trichlorobenzene	6.6		"	10.0		66.4	40-130				
1,2,3-Trichloropropane	9.0		"	10.0		89.7	77-128				
1,2,4-Trichlorobenzene	7.0		"	10.0		70.3	65-137				
1,2,4-Trimethylbenzene	8.8		"	10.0		88.0	82-132				
1,2-Dibromo-3-chloropropane	6.2		"	10.0		61.7	45-147				
1,2-Dibromoethane	8.5		"	10.0		85.4	83-124				
1,2-Dichlorobenzene	8.2		"	10.0		82.0	79-123				
1,2-Dichloroethane	8.8		"	10.0		88.4	73-132				
1,2-Dichloropropane	8.4		"	10.0		83.7	78-126				
1,3,5-Trimethylbenzene	8.6		"	10.0		86.2	80-131				
1,3-Dichlorobenzene	8.4		"	10.0		84.3	86-130	Low Bias			
1,4-Dichlorobenzene	8.4		"	10.0		84.0	85-130	Low Bias			
1,4-Dioxane	160		"	210		76.2	10-349				
2-Butanone	7.7		"	10.0		76.6	49-152				
2-Hexanone	7.8		"	10.0		78.0	51-146				
4-Methyl-2-pentanone	7.0		"	10.0		70.1	57-145				
Acetone	5.0		"	10.0		49.9	14-150				
Acrolein	8.8		"	100		8.79	10-153	Low Bias			
Acrylonitrile	7.5		"	10.0		75.0	51-150				
Benzene	9.0		"	10.0		90.3	85-126				
Bromochloromethane	9.2		"	10.0		92.5	77-128				
Bromodichloromethane	8.4		"	10.0		84.1	79-128				
Bromoform	8.2		"	10.0		81.6	78-133				
Bromomethane	5.3		"	10.0		52.7	43-168				
Carbon disulfide	9.7		"	10.0		96.8	68-146				
Carbon tetrachloride	9.0		"	10.0		90.5	77-141				
Chlorobenzene	8.8		"	10.0		88.1	88-120				
Chloroethane	10		"	10.0		100	65-136				
Chloroform	9.1		"	10.0		90.9	82-128				
Chloromethane	8.8		"	10.0		87.5	43-155				
cis-1,2-Dichloroethylene	9.0		"	10.0		89.5	83-129				
cis-1,3-Dichloropropylene	8.3		"	10.0		83.0	80-131				
Cyclohexane	10		"	10.0		100	63-149				
Dibromochloromethane	7.6		"	10.0		75.5	80-130	Low Bias			
Dibromomethane	8.0		"	10.0		80.0	72-134				
Dichlorodifluoromethane	10		"	10.0		99.8	44-144				
Ethyl Benzene	8.4		"	10.0		84.4	80-131				
Hexachlorobutadiene	6.4		"	10.0		63.8	67-146	Low Bias			
Isopropylbenzene	9.1		"	10.0		90.7	76-140				
Methyl acetate	8.7		"	10.0		86.9	51-139				
Methyl tert-butyl ether (MTBE)	9.0		"	10.0		90.5	76-135				
Methylcyclohexane	8.0		"	10.0		80.4	72-143				
Methylene chloride	7.4		"	10.0		74.2	55-137				

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
Batch BD21137 - EPA 5030B											
LCS (BD21137-BS1)								Prepared & Analyzed: 04/19/2022			
n-Butylbenzene	8.2		ug/L	10.0		82.0	79-132				
n-Propylbenzene	8.7		"	10.0		87.2	78-133				
o-Xylene	8.6		"	10.0		86.1	78-130				
p- & m- Xylenes	17		"	20.0		84.6	77-133				
p-Isopropyltoluene	8.5		"	10.0		84.9	81-136				
sec-Butylbenzene	8.5		"	10.0		85.3	79-137				
Styrene	8.3		"	10.0		82.7	67-132				
tert-Butyl alcohol (TBA)	41		"	50.0		82.8	25-162				
tert-Butylbenzene	8.3		"	10.0		83.0	77-138				
Tetrachloroethylene	5.3		"	10.0		53.0	82-131	Low Bias			
Toluene	8.4		"	10.0		83.6	80-127				
trans-1,2-Dichloroethylene	9.0		"	10.0		90.0	80-132				
trans-1,3-Dichloropropylene	8.2		"	10.0		81.6	78-131				
trans-1,4-dichloro-2-butene	7.1		"	10.0		71.0	63-141				
Trichloroethylene	8.3		"	10.0		83.4	82-128				
Trichlorofluoromethane	10		"	10.0		103	67-139				
Vinyl Chloride	9.7		"	10.0		96.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.74*		*"*	*10.0*		*97.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.20*		*"*	*10.0*		*92.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
LCS Dup (BD21137-BSD1)								Prepared & Analyzed: 04/19/2022			
1,1,1,2-Tetrachloroethane	8.1		ug/L	10.0		81.2	82-126	Low Bias	1.74	30	
1,1,1-Trichloroethane	8.8		"	10.0		88.2	78-136		0.678	30	
1,1,2,2-Tetrachloroethane	9.4		"	10.0		94.3	76-129		8.28	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.2		"	10.0		91.9	54-165		4.68	30	
1,1,2-Trichloroethane	8.2		"	10.0		82.1	82-123		4.87	30	
1,1-Dichloroethane	8.8		"	10.0		87.7	82-129		2.70	30	
1,1-Dichloroethylene	8.8		"	10.0		87.6	68-138		4.46	30	
1,2,3-Trichlorobenzene	7.6		"	10.0		75.5	40-130		12.8	30	
1,2,3-Trichloropropane	9.3		"	10.0		93.0	77-128		3.61	30	
1,2,4-Trichlorobenzene	7.6		"	10.0		75.5	65-137		7.13	30	
1,2,4-Trimethylbenzene	8.3		"	10.0		83.2	82-132		5.61	30	
1,2-Dibromo-3-chloropropane	7.9		"	10.0		79.0	45-147		24.6	30	
1,2-Dibromoethane	9.0		"	10.0		90.1	83-124		5.36	30	
1,2-Dichlorobenzene	8.3		"	10.0		82.9	79-123		1.09	30	
1,2-Dichloroethane	9.5		"	10.0		95.3	73-132		7.51	30	
1,2-Dichloropropane	8.5		"	10.0		84.9	78-126		1.42	30	
1,3,5-Trimethylbenzene	8.1		"	10.0		81.1	80-131		6.10	30	
1,3-Dichlorobenzene	8.2		"	10.0		81.9	86-130	Low Bias	2.89	30	
1,4-Dichlorobenzene	8.2		"	10.0		82.5	85-130	Low Bias	1.80	30	
1,4-Dioxane	170		"	210		82.4	10-349		7.84	30	
2-Butanone	9.7		"	10.0		97.4	49-152		23.9	30	
2-Hexanone	9.2		"	10.0		92.0	51-146		16.5	30	
4-Methyl-2-pentanone	8.2		"	10.0		82.4	57-145		16.1	30	
Acetone	6.0		"	10.0		59.7	14-150		17.9	30	
Acrolein	12		"	100		11.5	10-153		26.8	30	
Acrylonitrile	8.5		"	10.0		85.1	51-150		12.6	30	
Benzene	9.0		"	10.0		89.6	85-126		0.778	30	
Bromochloromethane	9.8		"	10.0		98.0	77-128		5.77	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
Batch BD21137 - EPA 5030B											
LCS Dup (BD21137-BSD1)								Prepared & Analyzed: 04/19/2022			
Bromodichloromethane	8.2		ug/L	10.0		81.9	79-128		2.65	30	
Bromoform	8.9		"	10.0		89.3	78-133		9.01	30	
Bromomethane	5.0		"	10.0		50.4	43-168		4.46	30	
Carbon disulfide	9.4		"	10.0		93.7	68-146		3.25	30	
Carbon tetrachloride	8.7		"	10.0		87.4	77-141		3.49	30	
Chlorobenzene	8.6		"	10.0		85.7	88-120	Low Bias	2.76	30	
Chloroethane	10		"	10.0		100	65-136		0.200	30	
Chloroform	9.0		"	10.0		90.1	82-128		0.884	30	
Chloromethane	8.4		"	10.0		83.8	43-155		4.32	30	
cis-1,2-Dichloroethylene	8.7		"	10.0		87.1	83-129		2.72	30	
cis-1,3-Dichloropropylene	8.6		"	10.0		85.5	80-131		2.97	30	
Cyclohexane	10		"	10.0		99.5	63-149		0.601	30	
Dibromochloromethane	8.1		"	10.0		80.8	80-130		6.78	30	
Dibromomethane	8.1		"	10.0		80.9	72-134		1.12	30	
Dichlorodifluoromethane	9.3		"	10.0		92.9	44-144		7.16	30	
Ethyl Benzene	8.1		"	10.0		81.4	80-131		3.62	30	
Hexachlorobutadiene	6.7		"	10.0		67.2	67-146		5.19	30	
Isopropylbenzene	8.5		"	10.0		84.6	76-140		6.96	30	
Methyl acetate	10		"	10.0		99.7	51-139		13.7	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135		11.9	30	
Methylcyclohexane	7.8		"	10.0		77.6	72-143		3.54	30	
Methylene chloride	7.4		"	10.0		74.3	55-137		0.135	30	
n-Butylbenzene	7.8		"	10.0		78.4	79-132	Low Bias	4.49	30	
n-Propylbenzene	8.1		"	10.0		80.6	78-133		7.87	30	
o-Xylene	8.4		"	10.0		83.8	78-130		2.71	30	
p- & m- Xylenes	16		"	20.0		81.6	77-133		3.49	30	
p-Isopropyltoluene	8.0		"	10.0		79.8	81-136	Low Bias	6.19	30	
sec-Butylbenzene	8.0		"	10.0		79.8	79-137		6.66	30	
Styrene	8.2		"	10.0		82.0	67-132		0.850	30	
tert-Butyl alcohol (TBA)	56		"	50.0		111	25-162		29.3	30	
tert-Butylbenzene	7.7		"	10.0		77.4	77-138		6.98	30	
Tetrachloroethylene	5.1		"	10.0		50.9	82-131	Low Bias	4.04	30	
Toluene	8.0		"	10.0		80.4	80-127		3.90	30	
trans-1,2-Dichloroethylene	8.8		"	10.0		87.5	80-132		2.82	30	
trans-1,3-Dichloropropylene	8.6		"	10.0		85.6	78-131		4.78	30	
trans-1,4-dichloro-2-butene	9.5		"	10.0		95.4	63-141		29.3	30	
Trichloroethylene	7.8		"	10.0		77.8	82-128	Low Bias	6.95	30	
Trichlorofluoromethane	9.9		"	10.0		99.0	67-139		4.15	30	
Vinyl Chloride	9.3		"	10.0		93.2	58-145		3.58	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.06*		*"*	*10.0*		*90.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21208 - EPA 5030B											
Blank (BD21208-BLK1)											Prepared & Analyzed: 04/20/2022
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								

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
Batch BD21208 - EPA 5030B											
Blank (BD21208-BLK1)								Prepared & Analyzed: 04/20/2022			
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.10*		*"*	*10.0*		*91.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*79-122*				
LCS (BD21208-BS1)								Prepared & Analyzed: 04/20/2022			
1,1,1,2-Tetrachloroethane	8.8		ug/L	10.0		87.5	82-126				
1,1,1-Trichloroethane	11		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	8.7		"	10.0		87.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		118	54-165				
1,1,2-Trichloroethane	9.0		"	10.0		90.1	82-123				
1,1-Dichloroethane	11		"	10.0		106	82-129				
1,1-Dichloroethylene	11		"	10.0		112	68-138				
1,2,3-Trichlorobenzene	7.6		"	10.0		75.7	40-130				
1,2,3-Trichloropropane	8.7		"	10.0		86.6	77-128				
1,2,4-Trichlorobenzene	7.8		"	10.0		77.7	65-137				
1,2,4-Trimethylbenzene	8.4		"	10.0		84.0	82-132				
1,2-Dibromo-3-chloropropane	8.2		"	10.0		82.1	45-147				
1,2-Dibromoethane	9.0		"	10.0		90.0	83-124				
1,2-Dichlorobenzene	8.3		"	10.0		82.6	79-123				
1,2-Dichloroethane	11		"	10.0		109	73-132				
1,2-Dichloropropane	9.0		"	10.0		89.5	78-126				
1,3,5-Trimethylbenzene	8.3		"	10.0		83.1	80-131				
1,3-Dichlorobenzene	8.2		"	10.0		82.4	86-130	Low Bias			
1,4-Dichlorobenzene	8.3		"	10.0		82.7	85-130	Low Bias			
1,4-Dioxane	150		"	210		73.2	10-349				
2-Butanone	11		"	10.0		110	49-152				
2-Hexanone	8.2		"	10.0		82.2	51-146				
4-Methyl-2-pentanone	8.9		"	10.0		89.3	57-145				
Acetone	6.8		"	10.0		68.1	14-150				
Acrolein	11		"	100		11.0	10-153				
Acrylonitrile	10		"	10.0		100	51-150				
Benzene	11		"	10.0		108	85-126				

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
Batch BD21208 - EPA 5030B											
LCS (BD21208-BS1)								Prepared & Analyzed: 04/20/2022			
Bromochloromethane	10		ug/L	10.0		101	77-128				
Bromodichloromethane	8.8		"	10.0		88.5	79-128				
Bromoform	8.7		"	10.0		87.0	78-133				
Bromomethane	2.9		"	10.0		28.7	43-168	Low Bias			
Carbon disulfide	11		"	10.0		114	68-146				
Carbon tetrachloride	11		"	10.0		110	77-141				
Chlorobenzene	9.5		"	10.0		95.4	88-120				
Chloroethane	11		"	10.0		108	65-136				
Chloroform	11		"	10.0		106	82-128				
Chloromethane	7.5		"	10.0		75.2	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	8.9		"	10.0		88.8	80-131				
Cyclohexane	11		"	10.0		108	63-149				
Dibromochloromethane	8.7		"	10.0		87.0	80-130				
Dibromomethane	8.9		"	10.0		89.4	72-134				
Dichlorodifluoromethane	8.4		"	10.0		83.8	44-144				
Ethyl Benzene	9.2		"	10.0		92.2	80-131				
Hexachlorobutadiene	7.7		"	10.0		76.6	67-146				
Isopropylbenzene	8.7		"	10.0		86.9	76-140				
Methyl acetate	9.7		"	10.0		96.6	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		111	76-135				
Methylcyclohexane	9.0		"	10.0		89.6	72-143				
Methylene chloride	9.0		"	10.0		90.4	55-137				
n-Butylbenzene	8.2		"	10.0		81.9	79-132				
n-Propylbenzene	8.5		"	10.0		85.0	78-133				
o-Xylene	9.2		"	10.0		91.5	78-130				
p- & m- Xylenes	19		"	20.0		94.5	77-133				
p-Isopropyltoluene	8.5		"	10.0		84.9	81-136				
sec-Butylbenzene	8.4		"	10.0		84.2	79-137				
Styrene	8.8		"	10.0		87.6	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		109	25-162				
tert-Butylbenzene	8.4		"	10.0		84.5	77-138				
Tetrachloroethylene	5.5		"	10.0		54.7	82-131	Low Bias			
Toluene	9.1		"	10.0		90.6	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132				
trans-1,3-Dichloropropylene	8.7		"	10.0		87.3	78-131				
trans-1,4-dichloro-2-butene	8.2		"	10.0		82.2	63-141				
Trichloroethylene	8.6		"	10.0		86.5	82-128				
Trichlorofluoromethane	10		"	10.0		103	67-139				
Vinyl Chloride	9.7		"	10.0		97.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.24*		*"*	*10.0*		*92.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*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
Batch BD21208 - EPA 5030B											
LCS Dup (BD21208-BSD1)								Prepared & Analyzed: 04/20/2022			
1,1,1,2-Tetrachloroethane	8.7		ug/L	10.0		87.0	82-126		0.573	30	
1,1,1-Trichloroethane	11		"	10.0		107	78-136		1.49	30	
1,1,2,2-Tetrachloroethane	8.8		"	10.0		87.9	76-129		0.685	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		112	54-165		5.30	30	
1,1,2-Trichloroethane	8.9		"	10.0		89.3	82-123		0.892	30	
1,1-Dichloroethane	11		"	10.0		106	82-129		0.755	30	
1,1-Dichloroethylene	11		"	10.0		109	68-138		2.35	30	
1,2,3-Trichlorobenzene	7.8		"	10.0		78.1	40-130		3.12	30	
1,2,3-Trichloropropane	8.7		"	10.0		86.8	77-128		0.231	30	
1,2,4-Trichlorobenzene	7.7		"	10.0		76.7	65-137		1.30	30	
1,2,4-Trimethylbenzene	8.3		"	10.0		82.9	82-132		1.32	30	
1,2-Dibromo-3-chloropropane	8.4		"	10.0		83.7	45-147		1.93	30	
1,2-Dibromoethane	9.1		"	10.0		90.9	83-124		0.995	30	
1,2-Dichlorobenzene	8.2		"	10.0		81.9	79-123		0.851	30	
1,2-Dichloroethane	11		"	10.0		108	73-132		1.20	30	
1,2-Dichloropropane	8.9		"	10.0		89.3	78-126		0.224	30	
1,3,5-Trimethylbenzene	8.2		"	10.0		82.2	80-131		1.09	30	
1,3-Dichlorobenzene	8.2		"	10.0		81.6	86-130	Low Bias	0.976	30	
1,4-Dichlorobenzene	8.2		"	10.0		81.9	85-130	Low Bias	0.972	30	
1,4-Dioxane	160		"	210		78.0	10-349		6.34	30	
2-Butanone	12		"	10.0		115	49-152		4.89	30	
2-Hexanone	8.4		"	10.0		84.2	51-146		2.40	30	
4-Methyl-2-pentanone	9.1		"	10.0		91.2	57-145		2.11	30	
Acetone	7.1		"	10.0		70.8	14-150		3.89	30	
Acrolein	12		"	100		11.5	10-153		4.99	30	
Acrylonitrile	10		"	10.0		104	51-150		3.23	30	
Benzene	11		"	10.0		108	85-126		0.0929	30	
Bromochloromethane	10		"	10.0		102	77-128		0.394	30	
Bromodichloromethane	8.8		"	10.0		88.0	79-128		0.567	30	
Bromoform	8.8		"	10.0		88.3	78-133		1.48	30	
Bromomethane	3.2		"	10.0		32.5	43-168	Low Bias	12.4	30	
Carbon disulfide	11		"	10.0		112	68-146		1.76	30	
Carbon tetrachloride	11		"	10.0		108	77-141		1.84	30	
Chlorobenzene	9.6		"	10.0		95.6	88-120		0.209	30	
Chloroethane	11		"	10.0		110	65-136		1.19	30	
Chloroform	11		"	10.0		106	82-128		0.188	30	
Chloromethane	7.3		"	10.0		73.4	43-155		2.42	30	
cis-1,2-Dichloroethylene	10		"	10.0		105	83-129		1.33	30	
cis-1,3-Dichloropropylene	8.8		"	10.0		87.9	80-131		1.02	30	
Cyclohexane	10		"	10.0		104	63-149		4.43	30	
Dibromochloromethane	8.8		"	10.0		87.6	80-130		0.687	30	
Dibromomethane	9.0		"	10.0		90.3	72-134		1.00	30	
Dichlorodifluoromethane	7.6		"	10.0		76.1	44-144		9.63	30	
Ethyl Benzene	9.1		"	10.0		90.9	80-131		1.42	30	
Hexachlorobutadiene	7.9		"	10.0		79.2	67-146		3.34	30	
Isopropylbenzene	8.5		"	10.0		84.9	76-140		2.33	30	
Methyl acetate	9.9		"	10.0		99.2	51-139		2.66	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		114	76-135		2.83	30	
Methylcyclohexane	8.5		"	10.0		85.1	72-143		5.15	30	
Methylene chloride	9.0		"	10.0		89.8	55-137		0.666	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
Batch BD21208 - EPA 5030B											
LCS Dup (BD21208-BSD1)								Prepared & Analyzed: 04/20/2022			
n-Butylbenzene	8.2		ug/L	10.0		82.2	79-132		0.366	30	
n-Propylbenzene	8.4		"	10.0		83.5	78-133		1.78	30	
o-Xylene	9.2		"	10.0		91.7	78-130		0.218	30	
p- & m- Xylenes	19		"	20.0		93.9	77-133		0.637	30	
p-Isopropyltoluene	8.4		"	10.0		84.3	81-136		0.709	30	
sec-Butylbenzene	8.4		"	10.0		83.9	79-137		0.357	30	
Styrene	8.8		"	10.0		88.0	67-132		0.456	30	
tert-Butyl alcohol (TBA)	57		"	50.0		115	25-162		5.54	30	
tert-Butylbenzene	8.3		"	10.0		83.4	77-138		1.31	30	
Tetrachloroethylene	5.3		"	10.0		53.4	82-131	Low Bias	2.41	30	
Toluene	9.0		"	10.0		89.5	80-127		1.22	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		1.96	30	
trans-1,3-Dichloropropylene	8.7		"	10.0		87.4	78-131		0.114	30	
trans-1,4-dichloro-2-butene	8.2		"	10.0		82.1	63-141		0.122	30	
Trichloroethylene	8.5		"	10.0		85.4	82-128		1.28	30	
Trichlorofluoromethane	10		"	10.0		100	67-139		2.07	30	
Vinyl Chloride	9.7		"	10.0		97.0	58-145		0.206	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.20*		*"*	*10.0*		*92.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*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
Batch BD20932 - EPA 3535A											
Blank (BD20932-BLK1)								Prepared & Analyzed: 04/15/2022			
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*3.52*		*"*	*4.00*		*88.0*	*36.6-118*				
LCS (BD20932-BS1)								Prepared & Analyzed: 04/15/2022			
1,4-Dioxane	4.35	0.300	ug/L	4.00		109	50-130				
Surrogate: 1,4-Dioxane-d8	*3.68*		*"*	*4.00*		*92.0*	*36.6-118*				
Matrix Spike (BD20932-MS1)	*Source sample: 22D0624-01 (Hanger E MW-1)							Prepared & Analyzed: 04/15/2022			
1,4-Dioxane	1120	0.300	ug/L	4.00	920	NR	50-130	High Bias			
Surrogate: 1,4-Dioxane-d8	*1.60*		*"*	*4.00*		*40.0*	*50-130*				
Matrix Spike Dup (BD20932-MSD1)	*Source sample: 22D0624-01 (Hanger E MW-1)							Prepared & Analyzed: 04/15/2022			
1,4-Dioxane	1030	0.300	ug/L	4.00	920	NR	50-130	High Bias	8.43	30	
Surrogate: 1,4-Dioxane-d8	*1.60*		*"*	*4.00*		*40.0*	*50-130*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Blank (BD21084-BLK1)											
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
N-EtFOSAA	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Surrogate: M3PFBS	*66.1*		"	*74.3*		*89.0*	*25-150*				
Surrogate: M5PFHxA	*70.3*		"	*80.0*		*87.9*	*25-150*				
Surrogate: M4PFHpA	*87.1*		"	*80.0*		*109*	*25-150*				
Surrogate: M3PFHxS	*67.6*		"	*75.7*		*89.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*60.8*		"	*80.0*		*76.0*	*25-150*				
Surrogate: M6PFDA	*54.8*		"	*80.0*		*68.5*	*25-150*				
Surrogate: M7PFUdA	*50.2*		"	*80.0*		*62.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*32.6*		"	*80.0*		*40.7*	*25-150*				
Surrogate: M2PFTeDA	*25.4*		"	*80.0*		*31.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.5*		"	*80.0*		*90.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*62.3*		"	*76.6*		*81.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*69.8*		"	*80.0*		*87.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*20.1*		"	*80.0*		*25.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*25.6*		"	*80.0*		*32.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*29.5*		"	*80.0*		*36.9*	*25-150*				
Surrogate: M2-6:2 FTS	*65.6*		"	*75.9*		*86.4*	*25-200*				
Surrogate: M2-8:2 FTS	*93.7*		"	*76.6*		*122*	*25-200*				
Surrogate: M9PFNA	*58.6*		"	*80.0*		*73.2*	*25-150*				

Prepared: 04/18/2022 Analyzed: 04/20/2022

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 BD21084 - SPE Ext-PFAS-EPA 537.1M											
LCS (BD21084-BS1)								Prepared: 04/18/2022 Analyzed: 04/20/2022			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	79.6	2.00	ng/L	76.8		104	50-175				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	74.5	5.00	"	76.0		98.0	50-175				
N-EtFOSAA	81.1	2.00	"	80.0		101	50-130				
N-MeFOSAA	80.4	2.00	"	80.0		101	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	71.5	2.00	"	77.2		92.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	93.5	2.00	"	76.4		122	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	106	2.00	"	80.0		133	50-130	High Bias			
Perfluorobutanesulfonic acid (PFBS)	77.2	2.00	"	70.8		109	50-130				
Perfluorodecanoic acid (PFDA)	86.3	2.00	"	80.0		108	50-130				
Perfluorododecanoic acid (PFDoA)	89.5	2.00	"	80.0		112	50-130				
Perfluoroheptanoic acid (PFHpA)	74.3	2.00	"	80.0		92.9	50-130				
Perfluorohexanesulfonic acid (PFHxS)	83.7	2.00	"	72.8		115	50-130				
Perfluorohexanoic acid (PFHxA)	85.5	2.00	"	80.0		107	50-130				
Perfluoro-n-butanoic acid (PFBA)	87.9	2.00	"	80.0		110	50-130				
Perfluorononanoic acid (PFNA)	83.6	2.00	"	80.0		105	50-130				
Perfluorooctanesulfonic acid (PFOS)	87.4	2.00	"	74.0		118	50-130				
Perfluorooctanoic acid (PFOA)	95.5	2.00	"	80.0		119	50-130				
Perfluoropentanoic acid (PFPeA)	95.9	2.00	"	80.0		120	50-130				
Perfluorotetradecanoic acid (PFTA)	87.8	2.00	"	80.0		110	50-130				
Perfluorotridecanoic acid (PFTrDA)	78.2	2.00	"	80.0		97.8	50-130				
Perfluoroundecanoic acid (PFUnA)	83.2	2.00	"	80.0		104	50-130				
Surrogate: M3PFBS	*71.0*		*"*	*74.3*		*95.5*	*25-150*				
Surrogate: M5PFHxA	*71.9*		*"*	*80.0*		*89.8*	*25-150*				
Surrogate: M4PFHpA	*87.4*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M3PFHxS	*64.8*		*"*	*75.7*		*85.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*68.1*		*"*	*80.0*		*85.1*	*25-150*				
Surrogate: M6PFDA	*58.3*		*"*	*80.0*		*72.9*	*25-150*				
Surrogate: M7PFUdA	*48.3*		*"*	*80.0*		*60.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*36.4*		*"*	*80.0*		*45.5*	*25-150*				
Surrogate: M2PFTeDA	*27.5*		*"*	*80.0*		*34.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*77.3*		*"*	*80.0*		*96.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*68.1*		*"*	*76.6*		*89.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.3*		*"*	*80.0*		*90.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*18.4*		*"*	*80.0*		*23.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*34.9*		*"*	*80.0*		*43.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*30.0*		*"*	*80.0*		*37.6*	*25-150*				
Surrogate: M2-6:2 FTS	*75.8*		*"*	*75.9*		*99.9*	*25-200*				
Surrogate: M2-8:2 FTS	*78.8*		*"*	*76.6*		*103*	*25-200*				
Surrogate: M9PFNA	*69.3*		*"*	*80.0*		*86.6*	*25-150*				

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

Batch BD21084 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BD21084-MS1) *Source sample: 22D0624-01 (Hanger E MW-1) Prepared: 04/18/2022 Analyzed: 04/20/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	498	12.5	ng/L	480	ND	104	25-200				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	895	31.2	"	475	393	106	25-200				
N-EtFOSAA	471	12.5	"	500	ND	94.2	25-150				
N-MeFOSAA	499	12.5	"	500	ND	99.8	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	476	12.5	"	482	ND	98.7	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	544	12.5	"	478	ND	114	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	595	12.5	"	500	ND	119	25-150				
Perfluorobutanesulfonic acid (PFBS)	467	12.5	"	442	ND	105	25-150				
Perfluorodecanoic acid (PFDA)	521	12.5	"	500	ND	104	25-150				
Perfluorododecanoic acid (PFDoA)	517	12.5	"	500	ND	103	25-150				
Perfluoroheptanoic acid (PFHpA)	832	12.5	"	500	386	89.2	25-150				
Perfluorohexanesulfonic acid (PFHxS)	477	12.5	"	455	ND	105	25-150				
Perfluorohexanoic acid (PFHxA)	1300	12.5	"	500	821	95.1	25-150				
Perfluoro-n-butanoic acid (PFBA)	929	12.5	"	500	413	103	25-150				
Perfluorononanoic acid (PFNA)	512	12.5	"	500	13.1	99.8	25-150				
Perfluorooctanesulfonic acid (PFOS)	494	12.5	"	462	ND	107	25-150				
Perfluorooctanoic acid (PFOA)	830	12.5	"	500	294	107	25-150				
Perfluorotetradecanoic acid (PFTA)	487	12.5	"	500	ND	97.4	25-150				
Perfluorotridecanoic acid (PFTrDA)	485	12.5	"	500	ND	96.9	25-150				
Perfluoroundecanoic acid (PFUnA)	505	12.5	"	500	ND	101	25-150				
Surrogate: M3PFBS	*416*		*"*	*464*		*89.6*	*25-150*				
Surrogate: M5PFHxA	*412*		*"*	*500*		*82.5*	*25-150*				
Surrogate: M4PFHpA	*505*		*"*	*500*		*101*	*25-150*				
Surrogate: M3PFHxS	*462*		*"*	*473*		*97.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*410*		*"*	*500*		*82.1*	*25-150*				
Surrogate: M6PFDA	*392*		*"*	*500*		*78.3*	*25-150*				
Surrogate: M7PFUdA	*380*		*"*	*500*		*76.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*338*		*"*	*500*		*67.5*	*25-150*				
Surrogate: M2PFTeDA	*334*		*"*	*500*		*66.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*397*		*"*	*500*		*79.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*457*		*"*	*478*		*95.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*375*		*"*	*500*		*74.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*76.4*		*"*	*500*		*15.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*385*		*"*	*500*		*77.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*370*		*"*	*500*		*74.0*	*25-150*				
Surrogate: M2-6:2 FTS	*499*		*"*	*474*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*600*		*"*	*479*		*125*	*25-200*				
Surrogate: M9PFNA	*420*		*"*	*500*		*84.0*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BD21084-MS2)	*Source sample: 22D0730-06 (Matrix Spike)							Prepared: 04/18/2022 Analyzed: 04/21/2022			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1670	25.0	ng/L	960	547	117	25-200				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2900	62.5	"	950	1920	104	25-200				
N-EtFOSAA	1060	25.0	"	1000	ND	106	25-150				
N-MeFOSAA	1060	25.0	"	1000	ND	106	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	1110	25.0	"	965	ND	115	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	1280	25.0	"	955	ND	134	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	1170	25.0	"	1000	ND	117	25-150				
Perfluorobutanesulfonic acid (PFBS)	942	25.0	"	885	27.3	103	25-150				
Perfluorodecanoic acid (PFDA)	1250	25.0	"	1000	157	109	25-150				
Perfluorododecanoic acid (PFDoA)	1060	25.0	"	1000	ND	106	25-150				
Perfluoroheptanoic acid (PFHpA)	1290	25.0	"	1000	408	88.2	25-150				
Perfluorohexanesulfonic acid (PFHxS)	1120	25.0	"	910	123	109	25-150				
Perfluorohexanoic acid (PFHxA)	1950	25.0	"	1000	1020	92.6	25-150				
Perfluoro-n-butanoic acid (PFBA)	1510	25.0	"	1000	495	101	25-150				
Perfluorononanoic acid (PFNA)	1170	25.0	"	1000	140	103	25-150				
Perfluorooctanesulfonic acid (PFOS)	1370	25.0	"	925	268	119	25-150				
Perfluorooctanoic acid (PFOA)	1420	25.0	"	1000	354	106	25-150				
Perfluorotetradecanoic acid (PFTA)	990	25.0	"	1000	ND	99.0	25-150				
Perfluorotridecanoic acid (PFTrDA)	1040	25.0	"	1000	ND	104	25-150				
Perfluoroundecanoic acid (PFUnA)	1100	25.0	"	1000	ND	110	25-150				
Surrogate: M3PFBS	*823*		*"*	*929*		*88.6*	*25-150*				
Surrogate: M5PFHxA	*822*		*"*	*1000*		*82.2*	*25-150*				
Surrogate: M4PFHpA	*1030*		*"*	*1000*		*103*	*25-150*				
Surrogate: M3PFHxS	*876*		*"*	*946*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*880*		*"*	*1000*		*88.0*	*25-150*				
Surrogate: M6PFDA	*806*		*"*	*1000*		*80.6*	*25-150*				
Surrogate: M7PFUdA	*789*		*"*	*1000*		*78.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*735*		*"*	*1000*		*73.5*	*25-150*				
Surrogate: M2PFTeDA	*724*		*"*	*1000*		*72.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*913*		*"*	*1000*		*91.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*813*		*"*	*957*		*84.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*772*		*"*	*1000*		*77.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*309*		*"*	*1000*		*30.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*759*		*"*	*1000*		*75.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*714*		*"*	*1000*		*71.4*	*25-150*				
Surrogate: M2-6:2 FTS	*1060*		*"*	*949*		*112*	*25-200*				
Surrogate: M2-8:2 FTS	*1270*		*"*	*958*		*133*	*25-200*				
Surrogate: M9PFNA	*858*		*"*	*1000*		*85.8*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BD21084-MS3)	*Source sample: 22D0624-01 (Hanger E MW-1)						Prepared: 04/18/2022 Analyzed: 04/20/2022				
Perfluoropentanoic acid (PFPeA)	786	10.0	ng/L	80.0	ND	982	25-150	High Bias			
Matrix Spike (BD21084-MS5)	*Source sample: 22D0730-06 (Matrix Spike)						Prepared: 04/18/2022 Analyzed: 04/21/2022				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	137	10.0	ng/L	76.8	547	NR	25-200	Low Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	180	25.0	"	76.0	1920	NR	25-200	Low Bias			
N-EtFOSAA	80.6	10.0	"	80.0	ND	101	25-150				
N-MeFOSAA	75.8	10.0	"	80.0	ND	94.8	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	94.2	10.0	"	77.2	ND	122	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	90.5	10.0	"	76.4	ND	118	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	91.8	10.0	"	80.0	ND	115	25-150				
Perfluorobutanesulfonic acid (PFBS)	76.4	10.0	"	70.8	27.3	69.4	25-150				
Perfluorodecanoic acid (PFDA)	92.2	10.0	"	80.0	157	NR	25-150	Low Bias			
Perfluorododecanoic acid (PFDoA)	88.3	10.0	"	80.0	ND	110	25-150				
Perfluoroheptanoic acid (PFHpA)	99.3	10.0	"	80.0	408	NR	25-150	Low Bias			
Perfluorohexanesulfonic acid (PFHxS)	85.1	10.0	"	72.8	123	NR	25-150	Low Bias			
Perfluorohexanoic acid (PFHxA)	158	10.0	"	80.0	1020	NR	25-150	Low Bias			
Perfluoro-n-butanoic acid (PFBA)	118	10.0	"	80.0	495	NR	25-150	Low Bias			
Perfluorononanoic acid (PFNA)	85.2	10.0	"	80.0	140	NR	25-150	Low Bias			
Perfluorooctanesulfonic acid (PFOS)	103	10.0	"	74.0	268	NR	25-150	Low Bias			
Perfluorooctanoic acid (PFOA)	116	10.0	"	80.0	354	NR	25-150	Low Bias			
Perfluoropentanoic acid (PFPeA)	594	10.0	"	80.0	ND	742	25-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	85.4	10.0	"	80.0	ND	107	25-150				
Perfluorotridecanoic acid (PFTrDA)	72.5	10.0	"	80.0	ND	90.7	25-150				
Perfluoroundecanoic acid (PFUnA)	77.4	10.0	"	80.0	23.7	67.1	25-150				
Surrogate: M3PFBS	*69.9*		*"*	*74.3*		*94.0*	*25-150*				
Surrogate: M5PFHxA	*67.4*		*"*	*80.0*		*84.2*	*25-150*				
Surrogate: M4PFHpA	*88.7*		*"*	*80.0*		*111*	*25-150*				
Surrogate: M3PFHxS	*73.5*		*"*	*75.7*		*97.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*67.1*		*"*	*80.0*		*83.9*	*25-150*				
Surrogate: M6PFDA	*66.0*		*"*	*80.0*		*82.5*	*25-150*				
Surrogate: M7PFUdA	*66.7*		*"*	*80.0*		*83.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*58.6*		*"*	*80.0*		*73.2*	*25-150*				
Surrogate: M2PFTeDA	*54.2*		*"*	*80.0*		*67.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*77.0*		*"*	*80.0*		*96.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.1*		*"*	*76.6*		*85.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*34.1*		*"*	*80.0*		*42.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*26.2*		*"*	*80.0*		*32.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.1*		*"*	*80.0*		*77.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*60.3*		*"*	*80.0*		*75.3*	*25-150*				
Surrogate: M2-6:2 FTS	*85.5*		*"*	*75.9*		*113*	*25-200*				
Surrogate: M2-8:2 FTS	*76.6*		*"*	*76.6*		*99.9*	*25-200*				
Surrogate: M9PFNA	*69.4*		*"*	*80.0*		*86.8*	*25-150*				

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

Batch BD21084 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BD21084-MS6) *Source sample: 22D0730-06 (Matrix Spike) Prepared: 04/18/2022 Analyzed: 04/21/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	102	20.0	ng/L	76.8	547	NR	25-200	Low Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	200	50.0	"	76.0	1920	NR	25-200	Low Bias			
N-EtFOSAA	66.2	20.0	"	80.0	ND	82.7	25-150				
N-MeFOSAA	65.7	20.0	"	80.0	ND	82.1	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	75.2	20.0	"	77.2	ND	97.5	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	85.0	20.0	"	76.4	ND	111	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	79.0	20.0	"	80.0	ND	98.8	25-150				
Perfluorobutanesulfonic acid (PFBS)	70.9	20.0	"	70.8	27.3	61.7	25-150				
Perfluorodecanoic acid (PFDA)	87.6	20.0	"	80.0	157	NR	25-150	Low Bias			
Perfluorododecanoic acid (PFDoA)	81.1	20.0	"	80.0	ND	101	25-150				
Perfluoroheptanoic acid (PFHpA)	101	20.0	"	80.0	408	NR	25-150	Low Bias			
Perfluorohexanesulfonic acid (PFHxS)	98.1	20.0	"	72.8	123	NR	25-150	Low Bias			
Perfluorohexanoic acid (PFHxA)	351	20.0	"	80.0	1020	NR	25-150	Low Bias			
Perfluoro-n-butanoic acid (PFBA)	122	20.0	"	80.0	495	NR	25-150	Low Bias			
Perfluorononanoic acid (PFNA)	84.1	20.0	"	80.0	140	NR	25-150	Low Bias			
Perfluorooctanesulfonic acid (PFOS)	93.7	20.0	"	74.0	268	NR	25-150	Low Bias			
Perfluorooctanoic acid (PFOA)	124	20.0	"	80.0	354	NR	25-150	Low Bias			
Perfluoropentanoic acid (PFPeA)	343	20.0	"	80.0	ND	428	25-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	76.9	20.0	"	80.0	ND	96.2	25-150				
Perfluorotridecanoic acid (PFTrDA)	87.1	20.0	"	80.0	ND	109	25-150				
Perfluoroundecanoic acid (PFUnA)	87.9	20.0	"	80.0	23.7	80.3	25-150				
Surrogate: M3PFBS	*74.0*		"	*74.3*		*99.5*	*25-150*				
Surrogate: M5PFHxA	*29.9*		"	*80.0*		*37.4*	*25-150*				
Surrogate: M4PFHpA	*84.0*		"	*80.0*		*105*	*25-150*				
Surrogate: M3PFHxS	*67.1*		"	*75.7*		*88.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*66.4*		"	*80.0*		*83.0*	*25-150*				
Surrogate: M6PFDA	*75.3*		"	*80.0*		*94.1*	*25-150*				
Surrogate: M7PFUdA	*65.8*		"	*80.0*		*82.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*59.0*		"	*80.0*		*73.7*	*25-150*				
Surrogate: M2PFTeDA	*61.4*		"	*80.0*		*76.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.0*		"	*80.0*		*94.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*71.9*		"	*76.6*		*93.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*54.3*		"	*80.0*		*67.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*29.6*		"	*80.0*		*37.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*66.1*		"	*80.0*		*82.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*72.7*		"	*80.0*		*90.8*	*25-150*				
Surrogate: M2-6:2 FTS	*76.2*		"	*75.9*		*100*	*25-200*				
Surrogate: M2-8:2 FTS	*100*		"	*76.6*		*131*	*25-200*				
Surrogate: M9PFNA	*66.0*		"	*80.0*		*82.5*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD21084-MSD1)	*Source sample: 22D0624-01 (Hanger E MW-1)						Prepared: 04/18/2022 Analyzed: 04/20/2022				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	495	12.5	ng/L	480	ND	103	25-200		0.517	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	896	31.2	"	475	393	106	25-200		0.175	35	
N-EtFOSAA	469	12.5	"	500	ND	93.8	25-150		0.443	35	
N-MeFOSAA	563	12.5	"	500	ND	113	25-150		12.1	35	
Perfluoro-1-decanesulfonic acid (PFDS)	492	12.5	"	482	ND	102	25-150		3.40	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	542	12.5	"	478	ND	113	25-150		0.292	35	
Perfluoro-1-octanesulfonamide (FOSA)	572	12.5	"	500	ND	114	25-150		3.94	35	
Perfluorobutanesulfonic acid (PFBS)	481	12.5	"	442	ND	109	25-150		2.90	35	
Perfluorodecanoic acid (PFDA)	557	12.5	"	500	ND	111	25-150		6.70	35	
Perfluorododecanoic acid (PFDoA)	526	12.5	"	500	ND	105	25-150		1.61	35	
Perfluoroheptanoic acid (PFHpA)	881	12.5	"	500	386	99.0	25-150		5.72	35	
Perfluorohexanesulfonic acid (PFHxS)	539	12.5	"	455	ND	118	25-150		12.2	35	
Perfluorohexanoic acid (PFHxA)	1380	12.5	"	500	821	111	25-150		5.94	35	
Perfluoro-n-butanoic acid (PFBA)	971	12.5	"	500	413	111	25-150		4.37	35	
Perfluorononanoic acid (PFNA)	494	12.5	"	500	13.1	96.1	25-150		3.70	35	
Perfluorooctanesulfonic acid (PFOS)	502	12.5	"	462	ND	108	25-150		1.49	35	
Perfluorooctanoic acid (PFOA)	851	12.5	"	500	294	111	25-150		2.46	35	
Perfluoropentanoic acid (PFPeA)	ND	12.5	"	500	ND		25-150	Low Bias		35	
Perfluorotetradecanoic acid (PFTA)	505	12.5	"	500	ND	101	25-150		3.72	35	
Perfluorotridecanoic acid (PFTrDA)	601	12.5	"	500	ND	120	25-150		21.5	35	
Perfluoroundecanoic acid (PFUnA)	505	12.5	"	500	ND	101	25-150		0.0334	35	
Surrogate: M3PFBS	*436*		"	*464*		*93.9*	*25-150*				
Surrogate: M5PFHxA	*403*		"	*500*		*80.7*	*25-150*				
Surrogate: M4PFHpA	*494*		"	*500*		*98.7*	*25-150*				
Surrogate: M3PFHxS	*438*		"	*473*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*409*		"	*500*		*81.9*	*25-150*				
Surrogate: M6PFDA	*383*		"	*500*		*76.5*	*25-150*				
Surrogate: M7PFUdA	*374*		"	*500*		*74.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*330*		"	*500*		*66.0*	*25-150*				
Surrogate: M2PFTeDA	*331*		"	*500*		*66.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*376*		"	*500*		*75.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*469*		"	*478*		*98.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*403*		"	*500*		*80.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*28.7*		"	*500*		*5.74*	*10-150*				
Surrogate: d3-N-MeFOSAA	*367*		"	*500*		*73.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*379*		"	*500*		*75.8*	*25-150*				
Surrogate: M2-6:2 FTS	*497*		"	*474*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*625*		"	*479*		*131*	*25-200*				
Surrogate: M9PFNA	*441*		"	*500*		*88.2*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD21084-MSD2)	*Source sample: 22D0730-06 (Matrix Spike Dup)								Prepared: 04/18/2022 Analyzed: 04/21/2022		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1780	25.0	ng/L	960	547	128	25-200		6.25	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2740	62.5	"	950	1920	86.3	25-200		5.90	35	
N-EtFOSAA	914	25.0	"	1000	ND	91.4	25-150		15.2	35	
N-MeFOSAA	1070	25.0	"	1000	ND	107	25-150		0.708	35	
Perfluoro-1-decanesulfonic acid (PFDS)	974	25.0	"	965	ND	101	25-150		12.7	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	1120	25.0	"	955	ND	118	25-150		13.0	35	
Perfluoro-1-octanesulfonamide (FOSA)	1060	25.0	"	1000	ND	106	25-150		10.4	35	
Perfluorobutanesulfonic acid (PFBS)	933	25.0	"	885	27.3	102	25-150		0.891	35	
Perfluorodecanoic acid (PFDA)	1210	25.0	"	1000	157	105	25-150		3.15	35	
Perfluorododecanoic acid (PFDoA)	1010	25.0	"	1000	ND	101	25-150		4.64	35	
Perfluoroheptanoic acid (PFHpA)	1200	25.0	"	1000	408	79.3	25-150		7.08	35	
Perfluorohexanesulfonic acid (PFHxS)	1090	25.0	"	910	123	106	25-150		2.63	35	
Perfluorohexanoic acid (PFHxA)	1960	25.0	"	1000	1020	93.7	25-150		0.556	35	
Perfluoro-n-butanoic acid (PFBA)	1520	25.0	"	1000	495	102	25-150		0.479	35	
Perfluorononanoic acid (PFNA)	1130	25.0	"	1000	140	98.5	25-150		3.74	35	
Perfluorooctanesulfonic acid (PFOS)	1310	25.0	"	925	268	113	25-150		4.22	35	
Perfluorooctanoic acid (PFOA)	1400	25.0	"	1000	354	104	25-150		1.50	35	
Perfluoropentanoic acid (PFPeA)	ND	25.0	"	1000	ND		25-150	Low Bias		35	
Perfluorotetradecanoic acid (PFTA)	985	25.0	"	1000	ND	98.5	25-150		0.574	35	
Perfluorotridecanoic acid (PFTrDA)	915	25.0	"	1000	ND	91.5	25-150		12.7	35	
Perfluoroundecanoic acid (PFUnA)	1010	25.0	"	1000	ND	101	25-150		8.45	35	
Surrogate: M3PFBS	*773*		"	*929*		*83.2*	*25-150*				
Surrogate: M5PFHxA	*782*		"	*1000*		*78.2*	*25-150*				
Surrogate: M4PFHpA	*1080*		"	*1000*		*108*	*25-150*				
Surrogate: M3PFHxS	*817*		"	*946*		*86.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*849*		"	*1000*		*84.9*	*25-150*				
Surrogate: M6PFDA	*790*		"	*1000*		*79.0*	*25-150*				
Surrogate: M7PFUdA	*768*		"	*1000*		*76.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*706*		"	*1000*		*70.6*	*25-150*				
Surrogate: M2PFTeDA	*618*		"	*1000*		*61.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*899*		"	*1000*		*89.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*826*		"	*957*		*86.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*762*		"	*1000*		*76.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*466*		"	*1000*		*46.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*735*		"	*1000*		*73.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*785*		"	*1000*		*78.5*	*25-150*				
Surrogate: M2-6:2 FTS	*972*		"	*949*		*102*	*25-200*				
Surrogate: M2-8:2 FTS	*1020*		"	*958*		*106*	*25-200*				
Surrogate: M9PFNA	*835*		"	*1000*		*83.5*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD21084-MSD3)	*Source sample: 22D0624-01 (Hanger E MW-1)								Prepared: 04/18/2022 Analyzed: 04/20/2022		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	97.3	10.0	ng/L	76.8	ND	127	25-200		14.5	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	131	25.0	"	76.0	393	NR	25-200	Low Bias	2.88	35	
N-EtFOSAA	66.7	10.0	"	80.0	ND	83.3	25-150		11.6	35	
N-MeFOSAA	80.3	10.0	"	80.0	ND	100	25-150		7.87	35	
Perfluoro-1-decanesulfonic acid (PFDS)	86.3	10.0	"	77.2	ND	112	25-150		7.48	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	90.7	10.0	"	76.4	ND	119	25-150		0.413	35	
Perfluoro-1-octanesulfonamide (FOSA)	73.2	10.0	"	80.0	ND	91.4	25-150		41.8	35	Non-dir.
Perfluorobutanesulfonic acid (PFBS)	78.3	10.0	"	70.8	ND	111	25-150		6.31	35	
Perfluorodecanoic acid (PFDA)	90.4	10.0	"	80.0	ND	113	25-150		2.18	35	
Perfluorododecanoic acid (PFDoA)	85.8	10.0	"	80.0	ND	107	25-150		3.23	35	
Perfluoroheptanoic acid (PFHpA)	135	10.0	"	80.0	386	NR	25-150	Low Bias	0.446	35	
Perfluorohexanesulfonic acid (PFHxS)	81.4	10.0	"	72.8	ND	112	25-150		4.48	35	
Perfluorohexanoic acid (PFHxA)	236	10.0	"	80.0	821	NR	25-150	Low Bias	6.97	35	
Perfluoro-n-butanoic acid (PFBA)	158	10.0	"	80.0	413	NR	25-150	Low Bias	1.87	35	
Perfluorononanoic acid (PFNA)	78.9	10.0	"	80.0	13.1	82.2	25-150		4.13	35	
Perfluorooctanesulfonic acid (PFOS)	89.4	10.0	"	74.0	ND	121	25-150		9.25	35	
Perfluorooctanoic acid (PFOA)	145	10.0	"	80.0	294	NR	25-150	Low Bias	6.03	35	
Perfluoropentanoic acid (PFPeA)	2310	10.0	"	80.0	ND	NR	25-150	High Bias	98.5	35	Non-dir.
Perfluorotetradecanoic acid (PFTA)	94.4	10.0	"	80.0	ND	118	25-150		20.0	35	
Perfluorotridecanoic acid (PFTrDA)	89.2	10.0	"	80.0	ND	112	25-150		1.89	35	
Perfluoroundecanoic acid (PFUnA)	83.3	10.0	"	80.0	ND	104	25-150		0.233	35	
Surrogate: M3PFBS	*66.4*		"	*74.3*		*89.4*	*25-150*				
Surrogate: M5PFHxA	*66.0*		"	*80.0*		*82.5*	*25-150*				
Surrogate: M4PFHpA	*79.9*		"	*80.0*		*99.9*	*25-150*				
Surrogate: M3PFHxS	*68.4*		"	*75.7*		*90.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*62.2*		"	*80.0*		*77.8*	*25-150*				
Surrogate: M6PFDA	*57.3*		"	*80.0*		*71.6*	*25-150*				
Surrogate: M7PFUdA	*53.6*		"	*80.0*		*67.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*47.5*		"	*80.0*		*59.3*	*25-150*				
Surrogate: M2PFTeDA	*44.6*		"	*80.0*		*55.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.9*		"	*80.0*		*89.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*68.1*		"	*76.6*		*89.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*17.9*		"	*80.0*		*22.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.72*		"	*80.0*		*4.65*	*10-150*				
Surrogate: d3-N-MeFOSAA	*57.4*		"	*80.0*		*71.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*56.5*		"	*80.0*		*70.6*	*25-150*				
Surrogate: M2-6:2 FTS	*78.3*		"	*75.9*		*103*	*25-200*				
Surrogate: M2-8:2 FTS	*73.2*		"	*76.6*		*95.5*	*25-200*				
Surrogate: M9PFNA	*64.3*		"	*80.0*		*80.3*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD21084-MSD4)	*Source sample: 22D0624-01 (Hanger E MW-1)								Prepared: 04/18/2022 Analyzed: 04/20/2022		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	96.0	20.0	ng/L	76.8	ND	125	25-200		25.4	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	111	50.0	"	76.0	393	NR	25-200	Low Bias	14.1	35	
N-EtFOSAA	58.2	20.0	"	80.0	ND	72.8	25-150		30.5	35	
N-MeFOSAA	59.7	20.0	"	80.0	ND	74.6	25-150		23.8	35	
Perfluoro-1-decanesulfonic acid (PFDS)	88.7	20.0	"	77.2	ND	115	25-150		8.34	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	109	20.0	"	76.4	ND	143	25-150		25.5	35	
Perfluoro-1-octanesulfonamide (FOSA)	157	20.0	"	80.0	ND	196	25-150	High Bias	51.7	35	Non-dir.
Perfluorobutanesulfonic acid (PFBS)	75.3	20.0	"	70.8	ND	106	25-150		14.6	35	
Perfluorodecanoic acid (PFDA)	89.3	20.0	"	80.0	ND	112	25-150		5.51	35	
Perfluorododecanoic acid (PFDoA)	90.0	20.0	"	80.0	ND	112	25-150		12.2	35	
Perfluoroheptanoic acid (PFHpA)	128	20.0	"	80.0	386	NR	25-150	Low Bias	3.87	35	
Perfluorohexanesulfonic acid (PFHxS)	96.9	20.0	"	72.8	ND	133	25-150		23.0	35	
Perfluorohexanoic acid (PFHxA)	224	20.0	"	80.0	821	NR	25-150	Low Bias	2.29	35	
Perfluoro-n-butanoic acid (PFBA)	157	20.0	"	80.0	413	NR	25-150	Low Bias	3.66	35	
Perfluorononanoic acid (PFNA)	78.0	20.0	"	80.0	ND	97.5	25-150		9.84	35	
Perfluorooctanesulfonic acid (PFOS)	81.1	20.0	"	74.0	ND	110	25-150		7.89	35	
Perfluorooctanoic acid (PFOA)	136	20.0	"	80.0	294	NR	25-150	Low Bias	1.35	35	
Perfluoropentanoic acid (PFPeA)	1150	20.0	"	80.0	ND	NR	25-150	High Bias	34.9	35	
Perfluorotetradecanoic acid (PFTA)	84.0	20.0	"	80.0	ND	105	25-150		11.7	35	
Perfluorotridecanoic acid (PFTrDA)	88.0	20.0	"	80.0	ND	110	25-150		2.45	35	
Perfluoroundecanoic acid (PFUnA)	91.9	20.0	"	80.0	ND	115	25-150		23.0	35	
Surrogate: M3PFBS	*69.5*		"	*74.3*		*93.5*	*25-150*				
Surrogate: M5PFHxA	*64.6*		"	*80.0*		*80.8*	*25-150*				
Surrogate: M4PFHpA	*86.5*		"	*80.0*		*108*	*25-150*				
Surrogate: M3PFHxS	*63.2*		"	*75.7*		*83.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*66.1*		"	*80.0*		*82.6*	*25-150*				
Surrogate: M6PFDA	*54.9*		"	*80.0*		*68.6*	*25-150*				
Surrogate: M7PFUdA	*50.2*		"	*80.0*		*62.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*48.9*		"	*80.0*		*61.1*	*25-150*				
Surrogate: M2PFTeDA	*46.6*		"	*80.0*		*58.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*75.5*		"	*80.0*		*94.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*64.5*		"	*76.6*		*84.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*29.4*		"	*80.0*		*36.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.49*		"	*80.0*		*3.12*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.5*		"	*80.0*		*78.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*69.6*		"	*80.0*		*87.0*	*25-150*				
Surrogate: M2-6:2 FTS	*90.6*		"	*75.9*		*119*	*25-200*				
Surrogate: M2-8:2 FTS	*78.2*		"	*76.6*		*102*	*25-200*				
Surrogate: M9PFNA	*59.1*		"	*80.0*		*73.9*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD21084-MSD5)	*Source sample: 22D0730-06 (Matrix Spike Dup)							Prepared: 04/18/2022 Analyzed: 04/21/2022			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	99.3	10.0	ng/L	76.8	547	NR	25-200	Low Bias	31.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	210	25.0	"	76.0	1920	NR	25-200	Low Bias	15.1	35	
N-EtFOSAA	75.2	10.0	"	80.0	ND	94.0	25-150		6.92	35	
N-MeFOSAA	78.4	10.0	"	80.0	ND	98.0	25-150		3.35	35	
Perfluoro-1-decanesulfonic acid (PFDS)	85.3	10.0	"	77.2	ND	111	25-150		9.88	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	92.1	10.0	"	76.4	ND	121	25-150		1.77	35	
Perfluoro-1-octanesulfonamide (FOSA)	95.0	10.0	"	80.0	ND	119	25-150		3.38	35	
Perfluorobutanesulfonic acid (PFBS)	74.2	10.0	"	70.8	27.3	66.3	25-150		2.91	35	
Perfluorodecanoic acid (PFDA)	102	10.0	"	80.0	157	NR	25-150	Low Bias	9.94	35	
Perfluorododecanoic acid (PFDoA)	82.6	10.0	"	80.0	ND	103	25-150		6.71	35	
Perfluoroheptanoic acid (PFHpA)	94.8	10.0	"	80.0	408	NR	25-150	Low Bias	4.67	35	
Perfluorohexanesulfonic acid (PFHxS)	98.1	10.0	"	72.8	123	NR	25-150	Low Bias	14.2	35	
Perfluorohexanoic acid (PFHxA)	157	10.0	"	80.0	1020	NR	25-150	Low Bias	0.494	35	
Perfluoro-n-butanoic acid (PFBA)	122	10.0	"	80.0	495	NR	25-150	Low Bias	3.65	35	
Perfluorononanoic acid (PFNA)	83.8	10.0	"	80.0	140	NR	25-150	Low Bias	1.59	35	
Perfluorooctanesulfonic acid (PFOS)	103	10.0	"	74.0	268	NR	25-150	Low Bias	0.474	35	
Perfluorooctanoic acid (PFOA)	114	10.0	"	80.0	354	NR	25-150	Low Bias	1.57	35	
Perfluoropentanoic acid (PFPeA)	368	10.0	"	80.0	ND	460	25-150	High Bias	47.0	35	Non-dir.
Perfluorotetradecanoic acid (PFTA)	79.7	10.0	"	80.0	ND	99.7	25-150		6.84	35	
Perfluorotridecanoic acid (PFTrDA)	78.8	10.0	"	80.0	ND	98.5	25-150		8.26	35	
Perfluoroundecanoic acid (PFUnA)	83.6	10.0	"	80.0	23.7	74.8	25-150		7.73	35	
Surrogate: M3PFBS	*62.8*		*"*	*74.3*		*84.5*	*25-150*				
Surrogate: M5PFHxA	*63.5*		*"*	*80.0*		*79.3*	*25-150*				
Surrogate: M4PFHpA	*83.1*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M3PFHxS	*54.7*		*"*	*75.7*		*72.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*65.0*		*"*	*80.0*		*81.3*	*25-150*				
Surrogate: M6PFDA	*58.9*		*"*	*80.0*		*73.7*	*25-150*				
Surrogate: M7PFUdA	*58.3*		*"*	*80.0*		*72.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*52.9*		*"*	*80.0*		*66.1*	*25-150*				
Surrogate: M2PFTeDA	*46.0*		*"*	*80.0*		*57.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.3*		*"*	*80.0*		*85.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*63.6*		*"*	*76.6*		*83.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*49.5*		*"*	*80.0*		*61.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.8*		*"*	*80.0*		*41.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*54.5*		*"*	*80.0*		*68.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*59.9*		*"*	*80.0*		*74.9*	*25-150*				
Surrogate: M2-6:2 FTS	*75.8*		*"*	*75.9*		*99.8*	*25-200*				
Surrogate: M2-8:2 FTS	*79.4*		*"*	*76.6*		*104*	*25-200*				
Surrogate: M9PFNA	*65.6*		*"*	*80.0*		*82.0*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD21084-MSD6)	*Source sample: 22D0730-06 (Matrix Spike Dup)							Prepared: 04/18/2022 Analyzed: 04/21/2022			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	123	20.0	ng/L	76.8	547	NR	25-200	Low Bias	18.8	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	182	50.0	"	76.0	1920	NR	25-200	Low Bias	9.45	35	
N-EtFOSAA	74.9	20.0	"	80.0	ND	93.6	25-150		12.3	35	
N-MeFOSAA	88.9	20.0	"	80.0	ND	111	25-150		30.1	35	
Perfluoro-1-decanesulfonic acid (PFDS)	90.6	20.0	"	77.2	ND	117	25-150		18.5	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	100	20.0	"	76.4	ND	131	25-150		16.5	35	
Perfluoro-1-octanesulfonamide (FOSA)	85.5	20.0	"	80.0	ND	107	25-150		7.83	35	
Perfluorobutanesulfonic acid (PFBS)	71.8	20.0	"	70.8	27.3	62.9	25-150		1.27	35	
Perfluorodecanoic acid (PFDA)	102	20.0	"	80.0	157	NR	25-150	Low Bias	15.3	35	
Perfluorododecanoic acid (PFDoA)	87.5	20.0	"	80.0	ND	109	25-150		7.54	35	
Perfluoroheptanoic acid (PFHpA)	101	20.0	"	80.0	408	NR	25-150	Low Bias	0.540	35	
Perfluorohexanesulfonic acid (PFHxS)	94.7	20.0	"	72.8	123	NR	25-150	Low Bias	3.51	35	
Perfluorohexanoic acid (PFHxA)	155	20.0	"	80.0	1020	NR	25-150	Low Bias	77.3	35	Non-dir.
Perfluoro-n-butanoic acid (PFBA)	118	20.0	"	80.0	495	NR	25-150	Low Bias	3.79	35	
Perfluorononanoic acid (PFNA)	89.1	20.0	"	80.0	140	NR	25-150	Low Bias	5.81	35	
Perfluorooctanesulfonic acid (PFOS)	118	20.0	"	74.0	268	NR	25-150	Low Bias	23.0	35	
Perfluorooctanoic acid (PFOA)	109	20.0	"	80.0	354	NR	25-150	Low Bias	13.3	35	
Perfluoropentanoic acid (PFPeA)	578	20.0	"	80.0	ND	722	25-150	High Bias	51.1	35	Non-dir.
Perfluorotetradecanoic acid (PFTA)	78.5	20.0	"	80.0	ND	98.2	25-150		2.08	35	
Perfluorotridecanoic acid (PFTrDA)	88.9	20.0	"	80.0	ND	111	25-150		1.99	35	
Perfluoroundecanoic acid (PFUnA)	91.2	20.0	"	80.0	23.7	84.4	25-150		3.68	35	
Surrogate: M3PFBS	*68.8*		*"*	*74.3*		*92.6*	*25-150*				
Surrogate: M5PFHxA	*66.8*		*"*	*80.0*		*83.5*	*25-150*				
Surrogate: M4PFHpA	*82.9*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M3PFHxS	*63.2*		*"*	*75.7*		*83.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*71.4*		*"*	*80.0*		*89.2*	*25-150*				
Surrogate: M6PFDA	*61.4*		*"*	*80.0*		*76.8*	*25-150*				
Surrogate: M7PFUdA	*55.6*		*"*	*80.0*		*69.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*49.6*		*"*	*80.0*		*62.0*	*25-150*				
Surrogate: M2PFTeDA	*50.5*		*"*	*80.0*		*63.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.2*		*"*	*80.0*		*95.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*62.4*		*"*	*76.6*		*81.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*31.9*		*"*	*80.0*		*39.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*39.2*		*"*	*80.0*		*49.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*54.0*		*"*	*80.0*		*67.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*60.9*		*"*	*80.0*		*76.1*	*25-150*				
Surrogate: M2-6:2 FTS	*82.7*		*"*	*75.9*		*109*	*25-200*				
Surrogate: M2-8:2 FTS	*85.5*		*"*	*76.6*		*112*	*25-200*				
Surrogate: M9PFNA	*66.2*		*"*	*80.0*		*82.7*	*25-150*				

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
Batch BD21107 - Preparation for GC Analysis											
Blank (BD21107-BLK1)								Prepared & Analyzed: 04/19/2022			
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	"								
Surrogate: 1,4-Butanediol	*55.5*		*"*	*50.0*		*111*	*30-130*				
LCS (BD21107-BS1)								Prepared & Analyzed: 04/19/2022			
Ethylene Glycol	47.1	10.0	mg/L	50.0		94.3	60-140				
Propylene Glycol	46.6	10.0	"	50.0		93.3	60-140				
Surrogate: 1,4-Butanediol	*54.4*		*"*	*50.0*		*109*	*30-130*				
Duplicate (BD21107-DUP1)	*Source sample: 22D0624-01 (Hanger E MW-1)							Prepared: 04/19/2022 Analyzed: 04/20/2022			
Ethylene Glycol	ND	10.0	mg/L		ND					25	
Propylene Glycol	ND	10.0	"		ND					25	
Surrogate: 1,4-Butanediol	*50.3*		*"*	*50.0*		*101*	*30-130*				
Matrix Spike (BD21107-MS1)	*Source sample: 22D0624-01 (Hanger E MW-1)							Prepared: 04/19/2022 Analyzed: 04/20/2022			
Ethylene Glycol	44.3	10.0	mg/L	50.0	ND	88.6	60-140				
Propylene Glycol	47.3	10.0	"	50.0	ND	94.6	60-140				
Surrogate: 1,4-Butanediol	*51.8*		*"*	*50.0*		*104*	*30-130*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22D0624-01	Hanger E MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0624-02	Hanger E MW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0624-03	MW-7S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0624-06	FMW-40	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0624-07	FMW-31	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0624-08	Field Duplicate	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0624-09	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0624-10	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.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-11	The spike recovery or RPD may not be available or within QC limits because of sample dilution due to high analyte concentration and/or matrix interference.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
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.
PFSUBS	The aqueous smaple contained appreciable levels of sediment requiring sub-sampling by decantation.
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.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
IC-CCV	The value reported for this analyte is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>10% Difference).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: corrected 1,4-Dioxane analyss

YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YORK Project No. 22D0624

Page 1 of 2

YOUR Information	Report To:	Invoice To:	YOUR Project Number
WSP USA			31402218.000
500 Summit Lake Dr Valhalla NY 10595	Same	Same	YOUR Project Name: Westchester County Airport (WCA
914 694 5711			
John Benvegna			
John.Benvegna@wsp.com			YOUR PO#:

Turn-Around Time: RUSH - Next Day; RUSH - Two Day; RUSH - Three Day; RUSH - Four Day; Standard (5-7 Day) X

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

Mike Reiff

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater (circled); DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package (circled); CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS (circled); NJDEP SRP HazSite; Other:

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

Sample Identification	Sample Matrix	Date/Time Sampled	EPA537	8260 Full list	1,4 Dioxane	Glycols	Container Description: 2P 3V 1G 2V
Hanger E MW-1	GW	4/12/22 1000	X	X	X	X	X X X X
matrix spike Hanger E MW-1	↓	↓ 1000	↓	↓	↓	↓	X X X X
Matrix spike Duplicate Hanger E MW-1	↓	↓ 1000	↓	↓	↓	↓	X X X X
Hanger E MW-4	↓	↓ 1100	↓	↓	↓		X X X
MW-75	↓	↓ 1200	X	X	X		
FMW-37	↓	↓ 1230				X	X
FMW-35	↓	↓ 1335	X				X
FMW-40	↓	↓ 1400	↓	X			X X
FMW-31	↓	↓ 1440	↓	X			X X

Comments:

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

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

Special Instruction: Field Filtered; Lab to Filter

[signature] 4/12/22 1530	Chris C York 4-13-22 7:55	Chris C York 4-13-22 1433
		T Gale 4/13/22 1433 3.4

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

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

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YORK Project No.: 22D0624

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
WSP USA			31402218.000	RUSH - Next Day
500 Summit Lake Dr	Same	Same		RUSH - Two Day
Valhalla NY 10595			YOUR Project Name: Westchester County Airport CWCA	RUSH - Three Day
914 694 5711				RUSH - Four Day
John Benvegna				Standard (5-7 Day) X
John.Benvegna@wsp.com			YOUR PO#:	

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

Mike Reiff

Samples Collected by: (print AND sign your name)

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

Samples From
New York X
New Jersey
Connecticut
Pennsylvania
Other:

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested: EPA 537	8260 Full List	1,4 Dioxane	6NYCRR Subpart 5	Container Description: 2P	3U	1G	2V
Field Duplicate	GW	4/12/22 1500	X	X	X	X	X	X	X	X
Field Blank	DI		X	X	X	X	X	X	X	X
Trip Blank				X				X		

Comments:

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

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

Special Instruction
Field Filtered
Lab to Filter

4/12/22 1530	Chris York 4-13-22 7:55	Chris York 4-13-22 1433
		4/13/22 1433 3.4

Technical Report

prepared for:

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

Report Date: 04/21/2022
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 22D0730

Report Date: 04/21/2022
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 22D0730

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 14, 2022 and listed below. The project was identified as your project: **31402218.000 Westchester County Airport (WCA)**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22D0730-01	XDDMW-10	Water	04/13/2022	04/14/2022
22D0730-02	XDDMW-11	Water	04/13/2022	04/14/2022
22D0730-03	MW-59S	Water	04/13/2022	04/14/2022
22D0730-04	MW-59D	Water	04/13/2022	04/14/2022
22D0730-05	FMW-39	Water	04/13/2022	04/14/2022
22D0730-06	MW-58D	Water	04/13/2022	04/14/2022
22D0730-07	FMW-24	Water	04/13/2022	04/14/2022
22D0730-08	FMW-2R	Water	04/13/2022	04/14/2022
22D0730-09	Field Duplicate	Water	04/13/2022	04/14/2022
22D0730-10	Field Blank	Water	04/13/2022	04/14/2022
22D0730-11	Trip Blank	Water	04/13/2022	04/14/2022

General Notes for York Project (SDG) No.: 22D0730

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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 04/21/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: XDDMW-10 **York Sample ID:** 22D0730-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 10:45 am	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-34-3	**1,1-Dichloroethane**	**2.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: XDDMW-10 **York Sample ID:** 22D0730-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 10:45 am	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-59-2	**cis-1,2-Dichloroethylene**	**1.9**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: XDDMW-10 **York Sample ID:** 22D0730-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 10:45 am	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	**trans-1,2-Dichloroethylene**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:30	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: XDDMW-10 **York Sample ID:** 22D0730-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 10:45 am	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*89.7 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*			*79-122*						

Sample Information

Client Sample ID: XDDMW-11 **York Sample ID:** 22D0730-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 10:00 am	04/14/2022

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	**1,4-Dioxane**	**5.17**		ug/L	0.300	1	EPA 8270D SIM	04/15/2022 07:48	04/15/2022 18:05	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*96.0 %*	*36.6-118*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**10.6**		ng/L	4.73	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**4.08**		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL

Sample Information

Client Sample ID: XDDMW-11 **York Sample ID:** 22D0730-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 10:00 am	04/14/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**15.3**		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**25.0**		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**141**		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**52.5**		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**33.6**		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**14.4**		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**64.6**		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**28.7**		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**68.3**		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/20/2022 23:35	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.9 %*	*25-150*
Surrogate: M5PFHxA	*84.7 %*	*25-150*
Surrogate: M4PFHpA	*99.4 %*	*25-150*
Surrogate: M3PFHxS	*89.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*88.5 %*	*25-150*
Surrogate: M6PFDA	*83.6 %*	*25-150*
Surrogate: M7PFUdA	*85.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*79.9 %*	*25-150*
Surrogate: M2PFTeDA	*73.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*36.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*91.3 %*	*25-150*

Sample Information

Client Sample ID: XDDMW-11 **York Sample ID:** 22D0730-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 10:00 am	04/14/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.4 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*36.5 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*96.8 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*107 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*127 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*161 %*		*25-200*						
	Surrogate: M9PFNA	*74.8 %*		*25-150*						

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 11:41	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 11:41	CM

	Surrogate Recoveries	Result	Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*	*71.9 %*	*30-130*

Sample Information

Client Sample ID: MW-59S **York Sample ID:** 22D0730-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 11:10 am	04/14/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL

Sample Information

Client Sample ID: MW-59S **York Sample ID:** 22D0730-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 11:10 am	04/14/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**48.2**		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**3.08**		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**5.26**		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**3.94**		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 00:14	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*102 %*	*25-150*
Surrogate: M5PFHxA	*94.6 %*	*25-150*
Surrogate: M4PFHpA	*93.4 %*	*25-150*
Surrogate: M3PFHxS	*106 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*85.8 %*	*25-150*
Surrogate: M6PFDA	*84.5 %*	*25-150*
Surrogate: M7PFUdA	*89.1 %*	*25-150*

Sample Information

Client Sample ID: MW-59S **York Sample ID:** 22D0730-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 11:10 am	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*83.4 %*		*25-150*						
	Surrogate: M2PFTeDA	*75.2 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*32.3 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*107 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.1 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*25.1 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*104 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*119 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*387 %*	PFSu-H	*25-200*						
	Surrogate: M2-8:2 FTS	*370 %*	PFSu-H	*25-200*						
	Surrogate: M9PFNA	*80.0 %*		*25-150*						

Sample Information

Client Sample ID: MW-59D **York Sample ID:** 22D0730-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:00 pm	04/14/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM

Sample Information

Client Sample ID: **MW-59D** **York Sample ID:** **22D0730-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:00 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/19/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
67-64-1	**Acetone**	**1.6**	J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM

Sample Information

Client Sample ID: MW-59D

York Sample ID: 22D0730-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:00 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-59-2	**cis-1,2-Dichloroethylene**	**0.77**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 14:57 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM

Sample Information

Client Sample ID: **MW-59D** **York Sample ID:** **22D0730-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:00 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/19/2022 14:57	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/19/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
108-88-3	**Toluene**	**0.42**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/19/2022 14:57	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 14:57	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/19/2022 14:57	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL

Sample Information

Client Sample ID: **MW-59D** **York Sample ID:** **22D0730-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:00 pm	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**4.23**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**5.58**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**23.9**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**10.7**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**11.1**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**3.33**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**18.1**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**10.5**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**9.37**		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:06	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.1 %*	*25-150*
Surrogate: M5PFHxA	*78.8 %*	*25-150*
Surrogate: M4PFHpA	*98.5 %*	*25-150*
Surrogate: M3PFHxS	*92.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.9 %*	*25-150*

Sample Information

Client Sample ID: MW-59D **York Sample ID:** 22D0730-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:00 pm	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M6PFDA	*76.0 %*			*25-150*					
	Surrogate: M7PFUdA	*77.2 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*64.8 %*			*25-150*					
	Surrogate: M2PFTeDA	*66.2 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*50.8 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*87.8 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.4 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*15.4 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*87.5 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*97.2 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*123 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*153 %*			*25-200*					
	Surrogate: M9PFNA	*82.6 %*			*25-150*					

Sample Information

Client Sample ID: FMW-39 **York Sample ID:** 22D0730-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:30 pm	04/14/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM

Sample Information

Client Sample ID: **FMW-39** **York Sample ID:** **22D0730-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:30 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: **FMW-39** **York Sample ID:** **22D0730-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:30 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00	04/19/2022 15:24 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: FMW-39 **York Sample ID:** 22D0730-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:30 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/19/2022 15:24	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/19/2022 15:24	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/19/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/19/2022 15:24	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/19/2022 15:24	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/19/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/19/2022 15:24	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*90.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL

Sample Information

Client Sample ID: **FMW-39** **York Sample ID:** **22D0730-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:30 pm	04/14/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to 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	4.81	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 01:44	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.9 %*	*25-150*
Surrogate: M5PFHxA	*76.4 %*	*25-150*
Surrogate: M4PFHpA	*102 %*	*25-150*
Surrogate: M3PFHxS	*86.0 %*	*25-150*

Sample Information

Client Sample ID: **FMW-39** **York Sample ID:** **22D0730-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 12:30 pm	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*77.7 %*			*25-150*					
	Surrogate: M6PFDA	*74.5 %*			*25-150*					
	Surrogate: M7PFUdA	*80.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*73.9 %*			*25-150*					
	Surrogate: M2PFTeDA	*73.9 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*50.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*88.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*14.9 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*78.3 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*92.0 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*88.5 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*117 %*			*25-200*					
	Surrogate: M9PFNA	*78.3 %*			*25-150*					

Glycols, Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 12:38	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 12:38	CM

	Surrogate Recoveries	Result	Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*	*80.9 %*	*30-130*

Sample Information

Client Sample ID: **MW-58D** **York Sample ID:** **22D0730-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 2:00 pm	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Information

Client Sample ID: **MW-58D** **York Sample ID:** **22D0730-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 2:00 pm	04/14/2022

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**547**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**1920**		ng/L	62.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
375-73-5	* **Perfluorobutanesulfonic acid (PFBS)**	**27.3**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
335-76-2	* **Perfluorodecanoic acid (PFDA)**	**157**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**408**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**123**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**1020**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**495**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**140**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**268**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**354**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**4880**		ng/L	125	5	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:10	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 02:23	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.6 %*	*25-150*

Sample Information

Client Sample ID: **MW-58D** **York Sample ID:** **22D0730-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 2:00 pm	04/14/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*78.3 %*			*25-150*					
	Surrogate: M4PFHpA	*109 %*			*25-150*					
	Surrogate: M3PFHxS	*93.2 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*89.0 %*			*25-150*					
	Surrogate: M6PFDA	*87.1 %*			*25-150*					
	Surrogate: M7PFUdA	*85.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*72.7 %*			*25-150*					
	Surrogate: M2PFTeDA	*70.1 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*91.6 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*88.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*47.8 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*35.7 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*83.5 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*93.0 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*116 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*155 %*			*25-200*					
	Surrogate: M9PFNA	*87.8 %*			*25-150*					

Sample Information

Client Sample ID: **FMW-24** **York Sample ID:** **22D0730-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 2:40 pm	04/14/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**8.81**		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.92	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL

Sample Information

Client Sample ID: **FMW-24** **York Sample ID:** **22D0730-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 2:40 pm	04/14/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**2.62**		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
335-76-2	*** Perfluorodecanoic acid (PFDA)**	**2.04**		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**8.36**		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**4.49**		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**12.7**		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**13.2**		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**10.0**		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**29.8**		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**8.84**		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.97	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 04:33	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.7 %*	*25-150*
Surrogate: M5PFHxA	*78.7 %*	*25-150*
Surrogate: M4PFHpA	*102 %*	*25-150*
Surrogate: M3PFHxS	*87.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*81.0 %*	*25-150*

Sample Information

Client Sample ID: FMW-24 **York Sample ID:** 22D0730-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 2:40 pm	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M6PFDA	*84.0 %*			*25-150*					
	Surrogate: M7PFUdA	*84.6 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*79.0 %*			*25-150*					
	Surrogate: M2PFTeDA	*76.8 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*78.6 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*101 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.8 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*22.2 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*93.4 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*98.2 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*88.6 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*123 %*			*25-200*					
	Surrogate: M9PFNA	*80.5 %*			*25-150*					

Glycols, Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 12:22	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 12:22	CM

	Surrogate Recoveries	Result	Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*	*78.8 %*	*30-130*

Sample Information

Client Sample ID: FMW-2R **York Sample ID:** 22D0730-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:15 pm	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: **FMW-2R** **York Sample ID:** **22D0730-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:15 pm	04/14/2022

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**2.30**		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**2.41**		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**7.78**		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**5.13**		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**4.37**		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**2.03**		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:12	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*91.6 %*	*25-150*
Surrogate: M5PFHxA	*85.4 %*	*25-150*
Surrogate: M4PFHpA	*114 %*	*25-150*

Sample Information

Client Sample ID: **FMW-2R** **York Sample ID:** **22D0730-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:15 pm	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M3PFHxS	*89.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*88.8 %*			*25-150*					
	Surrogate: M6PFDA	*84.8 %*			*25-150*					
	Surrogate: M7PFUdA	*82.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*73.6 %*			*25-150*					
	Surrogate: M2PFTeDA	*76.0 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.1 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*92.2 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*82.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*12.4 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*89.1 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*95.4 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*95.0 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*135 %*			*25-200*					
	Surrogate: M9PFNA	*85.0 %*			*25-150*					

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **22D0730-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:00 pm	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**514**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**1740**		ng/L	62.5	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **22D0730-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:00 pm	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**27.6**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
335-76-2	*** Perfluorodecanoic acid (PFDA)**	**144**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**401**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**131**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**997**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**495**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**151**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**254**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**363**		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**3320**		ng/L	125	5	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 05:51	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:04	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.6 %*	*25-150*
Surrogate: M5PFHxA	*79.7 %*	*25-150*
Surrogate: M4PFHpA	*112 %*	*25-150*
Surrogate: M3PFHxS	*91.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*86.8 %*	*25-150*
Surrogate: M6PFDA	*87.3 %*	*25-150*
Surrogate: M7PFUdA	*90.1 %*	*25-150*

Sample Information

Client Sample ID: **Field Duplicate** **York Sample ID:** **22D0730-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:00 pm	04/14/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*80.4 %*		*25-150*						
	Surrogate: M2PFTeDA	*72.2 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*93.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*92.7 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*66.9 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.5 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.5 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*90.1 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*108 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*126 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*136 %*		*25-200*						
	Surrogate: M9PFNA	*83.2 %*		*25-150*						

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0730-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:45 pm	04/14/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM

Sample Information

Client Sample ID: Field Blank

York Sample ID: 22D0730-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:45 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: Field Blank

York Sample ID: 22D0730-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:45 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-09-2	**Methylene chloride**	**9.8**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 13:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: Field Blank

York Sample ID: 22D0730-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:45 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/20/2022 13:00	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/20/2022 13:00	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/20/2022 13:00	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 13:00	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/20/2022 13:00	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.9 %*	*79-122*

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

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications:	04/15/2022 07:48 NJDEP,NELAC-NY10854	04/15/2022 18:22	KH

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0730-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:45 pm	04/14/2022

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

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**						
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*80.0 %*		*36.6-118*						

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0730-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:45 pm	04/14/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/18/2022 15:40	04/21/2022 06:42	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.0 %*	*25-150*
Surrogate: M5PFHxA	*88.0 %*	*25-150*
Surrogate: M4PFHpA	*114 %*	*25-150*
Surrogate: M3PFHxS	*86.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*88.7 %*	*25-150*
Surrogate: M6PFDA	*76.1 %*	*25-150*
Surrogate: M7PFUdA	*71.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*63.7 %*	*25-150*
Surrogate: M2PFTeDA	*51.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*99.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*87.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*87.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*47.4 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*57.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*80.7 %*	*25-200*
Surrogate: M2-8:2 FTS	*104 %*	*25-200*
Surrogate: M9PFNA	*82.2 %*	*25-150*

Glycols, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 12:54	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 12:54	CM

	Surrogate Recoveries	Result	Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*	*75.5 %*	*30-130*

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0730-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:00 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0730-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:00 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 12:31	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0730-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:00 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/20/2022 12:31	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/20/2022 12:31	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/20/2022 12:31	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 12:31	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/20/2022 12:31	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*69-130*

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0730-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0730	31402218.000 Westchester County Airport (WCA)	Water	April 13, 2022 3:00 pm	04/14/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.8 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.8 %*			*79-122*						

Analytical Batch Summary

Batch ID: BD20932 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
22D0730-02	XDDMW-11	04/15/22
22D0730-10	Field Blank	04/15/22
BD20932-BLK1	Blank	04/15/22
BD20932-BS1	LCS	04/15/22
BD20932-MS1	Matrix Spike	04/15/22
BD20932-MSD1	Matrix Spike Dup	04/15/22

Batch ID: BD21084 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22D0730-02	XDDMW-11	04/18/22
22D0730-02RE1	XDDMW-11	04/18/22
22D0730-02RE2	XDDMW-11	04/18/22
22D0730-03	MW-59S	04/18/22
22D0730-03RE1	MW-59S	04/18/22
22D0730-03RE2	MW-59S	04/18/22
22D0730-04	MW-59D	04/18/22
22D0730-04RE1	MW-59D	04/18/22
22D0730-04RE2	MW-59D	04/18/22
22D0730-05	FMW-39	04/18/22
22D0730-05RE1	FMW-39	04/18/22
22D0730-05RE2	FMW-39	04/18/22
22D0730-06	MW-58D	04/18/22
22D0730-06RE1	MW-58D	04/18/22
22D0730-06RE2	MW-58D	04/18/22
22D0730-07	FMW-24	04/18/22
22D0730-07RE1	FMW-24	04/18/22
22D0730-07RE2	FMW-24	04/18/22
22D0730-08	FMW-2R	04/18/22
22D0730-08RE1	FMW-2R	04/18/22
22D0730-08RE2	FMW-2R	04/18/22
22D0730-09	Field Duplicate	04/18/22
22D0730-09RE1	Field Duplicate	04/18/22
22D0730-09RE2	Field Duplicate	04/18/22
22D0730-10	Field Blank	04/18/22
22D0730-10RE1	Field Blank	04/18/22
22D0730-10RE2	Field Blank	04/18/22
BD21084-BLK1	Blank	04/18/22
BD21084-BS1	LCS	04/18/22
BD21084-MS1	Matrix Spike	04/18/22
BD21084-MS2	Matrix Spike	04/18/22
BD21084-MS3	Matrix Spike	04/18/22
BD21084-MS5	Matrix Spike	04/18/22
BD21084-MS6	Matrix Spike	04/18/22
BD21084-MSD1	Matrix Spike Dup	04/18/22
BD21084-MSD2	Matrix Spike Dup	04/18/22

BD21084-MSD3	Matrix Spike Dup	04/18/22
BD21084-MSD4	Matrix Spike Dup	04/18/22
BD21084-MSD5	Matrix Spike Dup	04/18/22
BD21084-MSD6	Matrix Spike Dup	04/18/22

Batch ID: BD21107 **Preparation Method:** Preparation for GC Analysis **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
22D0730-02	XDDMW-11	04/19/22
22D0730-05	FMW-39	04/19/22
22D0730-07	FMW-24	04/19/22
22D0730-10	Field Blank	04/19/22
BD21107-BLK1	Blank	04/19/22
BD21107-BS1	LCS	04/19/22
BD21107-DUP1	Duplicate	04/19/22
BD21107-MS1	Matrix Spike	04/19/22

Batch ID: BD21137 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22D0730-01	XDDMW-10	04/19/22
22D0730-04	MW-59D	04/19/22
22D0730-05	FMW-39	04/19/22
BD21137-BLK1	Blank	04/19/22
BD21137-BS1	LCS	04/19/22
BD21137-BSD1	LCS Dup	04/19/22

Batch ID: BD21208 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22D0730-10	Field Blank	04/20/22
22D0730-11	Trip Blank	04/20/22
BD21208-BLK1	Blank	04/20/22
BD21208-BS1	LCS	04/20/22
BD21208-BSD1	LCS Dup	04/20/22

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
Batch BD21137 - EPA 5030B											
Blank (BD21137-BLK1)											Prepared & Analyzed: 04/19/2022
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21137 - EPA 5030B											
Blank (BD21137-BLK1)							Prepared & Analyzed: 04/19/2022				
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.14*		*"*	*10.0*		*91.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				
LCS (BD21137-BS1)							Prepared & Analyzed: 04/19/2022				
1,1,1,2-Tetrachloroethane	8.0		ug/L	10.0		79.8	82-126	Low Bias			
1,1,1-Trichloroethane	8.9		"	10.0		88.8	78-136				
1,1,2,2-Tetrachloroethane	8.7		"	10.0		86.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.6		"	10.0		96.3	54-165				
1,1,2-Trichloroethane	7.8		"	10.0		78.2	82-123	Low Bias			
1,1-Dichloroethane	9.0		"	10.0		90.1	82-129				
1,1-Dichloroethylene	9.2		"	10.0		91.6	68-138				
1,2,3-Trichlorobenzene	6.6		"	10.0		66.4	40-130				
1,2,3-Trichloropropane	9.0		"	10.0		89.7	77-128				
1,2,4-Trichlorobenzene	7.0		"	10.0		70.3	65-137				
1,2,4-Trimethylbenzene	8.8		"	10.0		88.0	82-132				
1,2-Dibromo-3-chloropropane	6.2		"	10.0		61.7	45-147				
1,2-Dibromoethane	8.5		"	10.0		85.4	83-124				
1,2-Dichlorobenzene	8.2		"	10.0		82.0	79-123				
1,2-Dichloroethane	8.8		"	10.0		88.4	73-132				
1,2-Dichloropropane	8.4		"	10.0		83.7	78-126				
1,3,5-Trimethylbenzene	8.6		"	10.0		86.2	80-131				
1,3-Dichlorobenzene	8.4		"	10.0		84.3	86-130	Low Bias			
1,4-Dichlorobenzene	8.4		"	10.0		84.0	85-130	Low Bias			
1,4-Dioxane	160		"	210		76.2	10-349				
2-Butanone	7.7		"	10.0		76.6	49-152				
2-Hexanone	7.8		"	10.0		78.0	51-146				
4-Methyl-2-pentanone	7.0		"	10.0		70.1	57-145				
Acetone	5.0		"	10.0		49.9	14-150				
Acrolein	8.8		"	100		8.79	10-153	Low Bias			
Acrylonitrile	7.5		"	10.0		75.0	51-150				

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
Batch BD21137 - EPA 5030B											
LCS (BD21137-BS1)								Prepared & Analyzed: 04/19/2022			
Benzene	9.0		ug/L	10.0		90.3	85-126				
Bromochloromethane	9.2		"	10.0		92.5	77-128				
Bromodichloromethane	8.4		"	10.0		84.1	79-128				
Bromoform	8.2		"	10.0		81.6	78-133				
Bromomethane	5.3		"	10.0		52.7	43-168				
Carbon disulfide	9.7		"	10.0		96.8	68-146				
Carbon tetrachloride	9.0		"	10.0		90.5	77-141				
Chlorobenzene	8.8		"	10.0		88.1	88-120				
Chloroethane	10		"	10.0		100	65-136				
Chloroform	9.1		"	10.0		90.9	82-128				
Chloromethane	8.8		"	10.0		87.5	43-155				
cis-1,2-Dichloroethylene	9.0		"	10.0		89.5	83-129				
cis-1,3-Dichloropropylene	8.3		"	10.0		83.0	80-131				
Cyclohexane	10		"	10.0		100	63-149				
Dibromochloromethane	7.6		"	10.0		75.5	80-130	Low Bias			
Dibromomethane	8.0		"	10.0		80.0	72-134				
Dichlorodifluoromethane	10		"	10.0		99.8	44-144				
Ethyl Benzene	8.4		"	10.0		84.4	80-131				
Hexachlorobutadiene	6.4		"	10.0		63.8	67-146	Low Bias			
Isopropylbenzene	9.1		"	10.0		90.7	76-140				
Methyl acetate	8.7		"	10.0		86.9	51-139				
Methyl tert-butyl ether (MTBE)	9.0		"	10.0		90.5	76-135				
Methylcyclohexane	8.0		"	10.0		80.4	72-143				
Methylene chloride	7.4		"	10.0		74.2	55-137				
n-Butylbenzene	8.2		"	10.0		82.0	79-132				
n-Propylbenzene	8.7		"	10.0		87.2	78-133				
o-Xylene	8.6		"	10.0		86.1	78-130				
p- & m- Xylenes	17		"	20.0		84.6	77-133				
p-Isopropyltoluene	8.5		"	10.0		84.9	81-136				
sec-Butylbenzene	8.5		"	10.0		85.3	79-137				
Styrene	8.3		"	10.0		82.7	67-132				
tert-Butyl alcohol (TBA)	41		"	50.0		82.8	25-162				
tert-Butylbenzene	8.3		"	10.0		83.0	77-138				
Tetrachloroethylene	5.3		"	10.0		53.0	82-131	Low Bias			
Toluene	8.4		"	10.0		83.6	80-127				
trans-1,2-Dichloroethylene	9.0		"	10.0		90.0	80-132				
trans-1,3-Dichloropropylene	8.2		"	10.0		81.6	78-131				
trans-1,4-dichloro-2-butene	7.1		"	10.0		71.0	63-141				
Trichloroethylene	8.3		"	10.0		83.4	82-128				
Trichlorofluoromethane	10		"	10.0		103	67-139				
Vinyl Chloride	9.7		"	10.0		96.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.74*		*"*	*10.0*		*97.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.20*		*"*	*10.0*		*92.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*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
Batch BD21137 - EPA 5030B											
LCS Dup (BD21137-BSD1)								Prepared & Analyzed: 04/19/2022			
1,1,1,2-Tetrachloroethane	8.1		ug/L	10.0		81.2	82-126	Low Bias	1.74	30	
1,1,1-Trichloroethane	8.8		"	10.0		88.2	78-136		0.678	30	
1,1,2,2-Tetrachloroethane	9.4		"	10.0		94.3	76-129		8.28	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.2		"	10.0		91.9	54-165		4.68	30	
1,1,2-Trichloroethane	8.2		"	10.0		82.1	82-123		4.87	30	
1,1-Dichloroethane	8.8		"	10.0		87.7	82-129		2.70	30	
1,1-Dichloroethylene	8.8		"	10.0		87.6	68-138		4.46	30	
1,2,3-Trichlorobenzene	7.6		"	10.0		75.5	40-130		12.8	30	
1,2,3-Trichloropropane	9.3		"	10.0		93.0	77-128		3.61	30	
1,2,4-Trichlorobenzene	7.6		"	10.0		75.5	65-137		7.13	30	
1,2,4-Trimethylbenzene	8.3		"	10.0		83.2	82-132		5.61	30	
1,2-Dibromo-3-chloropropane	7.9		"	10.0		79.0	45-147		24.6	30	
1,2-Dibromoethane	9.0		"	10.0		90.1	83-124		5.36	30	
1,2-Dichlorobenzene	8.3		"	10.0		82.9	79-123		1.09	30	
1,2-Dichloroethane	9.5		"	10.0		95.3	73-132		7.51	30	
1,2-Dichloropropane	8.5		"	10.0		84.9	78-126		1.42	30	
1,3,5-Trimethylbenzene	8.1		"	10.0		81.1	80-131		6.10	30	
1,3-Dichlorobenzene	8.2		"	10.0		81.9	86-130	Low Bias	2.89	30	
1,4-Dichlorobenzene	8.2		"	10.0		82.5	85-130	Low Bias	1.80	30	
1,4-Dioxane	170		"	210		82.4	10-349		7.84	30	
2-Butanone	9.7		"	10.0		97.4	49-152		23.9	30	
2-Hexanone	9.2		"	10.0		92.0	51-146		16.5	30	
4-Methyl-2-pentanone	8.2		"	10.0		82.4	57-145		16.1	30	
Acetone	6.0		"	10.0		59.7	14-150		17.9	30	
Acrolein	12		"	100		11.5	10-153		26.8	30	
Acrylonitrile	8.5		"	10.0		85.1	51-150		12.6	30	
Benzene	9.0		"	10.0		89.6	85-126		0.778	30	
Bromochloromethane	9.8		"	10.0		98.0	77-128		5.77	30	
Bromodichloromethane	8.2		"	10.0		81.9	79-128		2.65	30	
Bromoform	8.9		"	10.0		89.3	78-133		9.01	30	
Bromomethane	5.0		"	10.0		50.4	43-168		4.46	30	
Carbon disulfide	9.4		"	10.0		93.7	68-146		3.25	30	
Carbon tetrachloride	8.7		"	10.0		87.4	77-141		3.49	30	
Chlorobenzene	8.6		"	10.0		85.7	88-120	Low Bias	2.76	30	
Chloroethane	10		"	10.0		100	65-136		0.200	30	
Chloroform	9.0		"	10.0		90.1	82-128		0.884	30	
Chloromethane	8.4		"	10.0		83.8	43-155		4.32	30	
cis-1,2-Dichloroethylene	8.7		"	10.0		87.1	83-129		2.72	30	
cis-1,3-Dichloropropylene	8.6		"	10.0		85.5	80-131		2.97	30	
Cyclohexane	10		"	10.0		99.5	63-149		0.601	30	
Dibromochloromethane	8.1		"	10.0		80.8	80-130		6.78	30	
Dibromomethane	8.1		"	10.0		80.9	72-134		1.12	30	
Dichlorodifluoromethane	9.3		"	10.0		92.9	44-144		7.16	30	
Ethyl Benzene	8.1		"	10.0		81.4	80-131		3.62	30	
Hexachlorobutadiene	6.7		"	10.0		67.2	67-146		5.19	30	
Isopropylbenzene	8.5		"	10.0		84.6	76-140		6.96	30	
Methyl acetate	10		"	10.0		99.7	51-139		13.7	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135		11.9	30	
Methylcyclohexane	7.8		"	10.0		77.6	72-143		3.54	30	
Methylene chloride	7.4		"	10.0		74.3	55-137		0.135	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21137 - EPA 5030B											
LCS Dup (BD21137-BSD1)								Prepared & Analyzed: 04/19/2022			
n-Butylbenzene	7.8		ug/L	10.0		78.4	79-132	Low Bias	4.49	30	
n-Propylbenzene	8.1		"	10.0		80.6	78-133		7.87	30	
o-Xylene	8.4		"	10.0		83.8	78-130		2.71	30	
p- & m- Xylenes	16		"	20.0		81.6	77-133		3.49	30	
p-Isopropyltoluene	8.0		"	10.0		79.8	81-136	Low Bias	6.19	30	
sec-Butylbenzene	8.0		"	10.0		79.8	79-137		6.66	30	
Styrene	8.2		"	10.0		82.0	67-132		0.850	30	
tert-Butyl alcohol (TBA)	56		"	50.0		111	25-162		29.3	30	
tert-Butylbenzene	7.7		"	10.0		77.4	77-138		6.98	30	
Tetrachloroethylene	5.1		"	10.0		50.9	82-131	Low Bias	4.04	30	
Toluene	8.0		"	10.0		80.4	80-127		3.90	30	
trans-1,2-Dichloroethylene	8.8		"	10.0		87.5	80-132		2.82	30	
trans-1,3-Dichloropropylene	8.6		"	10.0		85.6	78-131		4.78	30	
trans-1,4-dichloro-2-butene	9.5		"	10.0		95.4	63-141		29.3	30	
Trichloroethylene	7.8		"	10.0		77.8	82-128	Low Bias	6.95	30	
Trichlorofluoromethane	9.9		"	10.0		99.0	67-139		4.15	30	
Vinyl Chloride	9.3		"	10.0		93.2	58-145		3.58	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.06*		*"*	*10.0*		*90.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Batch BD21208 - EPA 5030B											
Blank (BD21208-BLK1)								Prepared & Analyzed: 04/20/2022			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21208 - EPA 5030B											
Blank (BD21208-BLK1)											
Prepared & Analyzed: 04/20/2022											
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.10*		*"*	*10.0*		*91.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*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
Batch BD21208 - EPA 5030B											
LCS (BD21208-BS1)								Prepared & Analyzed: 04/20/2022			
1,1,1,2-Tetrachloroethane	8.8		ug/L	10.0		87.5	82-126				
1,1,1-Trichloroethane	11		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	8.7		"	10.0		87.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		118	54-165				
1,1,2-Trichloroethane	9.0		"	10.0		90.1	82-123				
1,1-Dichloroethane	11		"	10.0		106	82-129				
1,1-Dichloroethylene	11		"	10.0		112	68-138				
1,2,3-Trichlorobenzene	7.6		"	10.0		75.7	40-130				
1,2,3-Trichloropropane	8.7		"	10.0		86.6	77-128				
1,2,4-Trichlorobenzene	7.8		"	10.0		77.7	65-137				
1,2,4-Trimethylbenzene	8.4		"	10.0		84.0	82-132				
1,2-Dibromo-3-chloropropane	8.2		"	10.0		82.1	45-147				
1,2-Dibromoethane	9.0		"	10.0		90.0	83-124				
1,2-Dichlorobenzene	8.3		"	10.0		82.6	79-123				
1,2-Dichloroethane	11		"	10.0		109	73-132				
1,2-Dichloropropane	9.0		"	10.0		89.5	78-126				
1,3,5-Trimethylbenzene	8.3		"	10.0		83.1	80-131				
1,3-Dichlorobenzene	8.2		"	10.0		82.4	86-130	Low Bias			
1,4-Dichlorobenzene	8.3		"	10.0		82.7	85-130	Low Bias			
1,4-Dioxane	150		"	210		73.2	10-349				
2-Butanone	11		"	10.0		110	49-152				
2-Hexanone	8.2		"	10.0		82.2	51-146				
4-Methyl-2-pentanone	8.9		"	10.0		89.3	57-145				
Acetone	6.8		"	10.0		68.1	14-150				
Acrolein	11		"	100		11.0	10-153				
Acrylonitrile	10		"	10.0		100	51-150				
Benzene	11		"	10.0		108	85-126				
Bromochloromethane	10		"	10.0		101	77-128				
Bromodichloromethane	8.8		"	10.0		88.5	79-128				
Bromoform	8.7		"	10.0		87.0	78-133				
Bromomethane	2.9		"	10.0		28.7	43-168	Low Bias			
Carbon disulfide	11		"	10.0		114	68-146				
Carbon tetrachloride	11		"	10.0		110	77-141				
Chlorobenzene	9.5		"	10.0		95.4	88-120				
Chloroethane	11		"	10.0		108	65-136				
Chloroform	11		"	10.0		106	82-128				
Chloromethane	7.5		"	10.0		75.2	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	8.9		"	10.0		88.8	80-131				
Cyclohexane	11		"	10.0		108	63-149				
Dibromochloromethane	8.7		"	10.0		87.0	80-130				
Dibromomethane	8.9		"	10.0		89.4	72-134				
Dichlorodifluoromethane	8.4		"	10.0		83.8	44-144				
Ethyl Benzene	9.2		"	10.0		92.2	80-131				
Hexachlorobutadiene	7.7		"	10.0		76.6	67-146				
Isopropylbenzene	8.7		"	10.0		86.9	76-140				
Methyl acetate	9.7		"	10.0		96.6	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		111	76-135				
Methylcyclohexane	9.0		"	10.0		89.6	72-143				
Methylene chloride	9.0		"	10.0		90.4	55-137				

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
Batch BD21208 - EPA 5030B											
LCS (BD21208-BS1)								Prepared & Analyzed: 04/20/2022			
n-Butylbenzene	8.2		ug/L	10.0		81.9	79-132				
n-Propylbenzene	8.5		"	10.0		85.0	78-133				
o-Xylene	9.2		"	10.0		91.5	78-130				
p- & m- Xylenes	19		"	20.0		94.5	77-133				
p-Isopropyltoluene	8.5		"	10.0		84.9	81-136				
sec-Butylbenzene	8.4		"	10.0		84.2	79-137				
Styrene	8.8		"	10.0		87.6	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		109	25-162				
tert-Butylbenzene	8.4		"	10.0		84.5	77-138				
Tetrachloroethylene	5.5		"	10.0		54.7	82-131	Low Bias			
Toluene	9.1		"	10.0		90.6	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132				
trans-1,3-Dichloropropylene	8.7		"	10.0		87.3	78-131				
trans-1,4-dichloro-2-butene	8.2		"	10.0		82.2	63-141				
Trichloroethylene	8.6		"	10.0		86.5	82-128				
Trichlorofluoromethane	10		"	10.0		103	67-139				
Vinyl Chloride	9.7		"	10.0		97.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.24*		*"*	*10.0*		*92.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				
LCS Dup (BD21208-BSD1)								Prepared & Analyzed: 04/20/2022			
1,1,1,2-Tetrachloroethane	8.7		ug/L	10.0		87.0	82-126		0.573	30	
1,1,1-Trichloroethane	11		"	10.0		107	78-136		1.49	30	
1,1,2,2-Tetrachloroethane	8.8		"	10.0		87.9	76-129		0.685	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		112	54-165		5.30	30	
1,1,2-Trichloroethane	8.9		"	10.0		89.3	82-123		0.892	30	
1,1-Dichloroethane	11		"	10.0		106	82-129		0.755	30	
1,1-Dichloroethylene	11		"	10.0		109	68-138		2.35	30	
1,2,3-Trichlorobenzene	7.8		"	10.0		78.1	40-130		3.12	30	
1,2,3-Trichloropropane	8.7		"	10.0		86.8	77-128		0.231	30	
1,2,4-Trichlorobenzene	7.7		"	10.0		76.7	65-137		1.30	30	
1,2,4-Trimethylbenzene	8.3		"	10.0		82.9	82-132		1.32	30	
1,2-Dibromo-3-chloropropane	8.4		"	10.0		83.7	45-147		1.93	30	
1,2-Dibromoethane	9.1		"	10.0		90.9	83-124		0.995	30	
1,2-Dichlorobenzene	8.2		"	10.0		81.9	79-123		0.851	30	
1,2-Dichloroethane	11		"	10.0		108	73-132		1.20	30	
1,2-Dichloropropane	8.9		"	10.0		89.3	78-126		0.224	30	
1,3,5-Trimethylbenzene	8.2		"	10.0		82.2	80-131		1.09	30	
1,3-Dichlorobenzene	8.2		"	10.0		81.6	86-130	Low Bias	0.976	30	
1,4-Dichlorobenzene	8.2		"	10.0		81.9	85-130	Low Bias	0.972	30	
1,4-Dioxane	160		"	210		78.0	10-349		6.34	30	
2-Butanone	12		"	10.0		115	49-152		4.89	30	
2-Hexanone	8.4		"	10.0		84.2	51-146		2.40	30	
4-Methyl-2-pentanone	9.1		"	10.0		91.2	57-145		2.11	30	
Acetone	7.1		"	10.0		70.8	14-150		3.89	30	
Acrolein	12		"	100		11.5	10-153		4.99	30	
Acrylonitrile	10		"	10.0		104	51-150		3.23	30	
Benzene	11		"	10.0		108	85-126		0.0929	30	
Bromochloromethane	10		"	10.0		102	77-128		0.394	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
Batch BD21208 - EPA 5030B											
LCS Dup (BD21208-BSD1)								Prepared & Analyzed: 04/20/2022			
Bromodichloromethane	8.8		ug/L	10.0		88.0	79-128		0.567	30	
Bromoform	8.8		"	10.0		88.3	78-133		1.48	30	
Bromomethane	3.2		"	10.0		32.5	43-168	Low Bias	12.4	30	
Carbon disulfide	11		"	10.0		112	68-146		1.76	30	
Carbon tetrachloride	11		"	10.0		108	77-141		1.84	30	
Chlorobenzene	9.6		"	10.0		95.6	88-120		0.209	30	
Chloroethane	11		"	10.0		110	65-136		1.19	30	
Chloroform	11		"	10.0		106	82-128		0.188	30	
Chloromethane	7.3		"	10.0		73.4	43-155		2.42	30	
cis-1,2-Dichloroethylene	10		"	10.0		105	83-129		1.33	30	
cis-1,3-Dichloropropylene	8.8		"	10.0		87.9	80-131		1.02	30	
Cyclohexane	10		"	10.0		104	63-149		4.43	30	
Dibromochloromethane	8.8		"	10.0		87.6	80-130		0.687	30	
Dibromomethane	9.0		"	10.0		90.3	72-134		1.00	30	
Dichlorodifluoromethane	7.6		"	10.0		76.1	44-144		9.63	30	
Ethyl Benzene	9.1		"	10.0		90.9	80-131		1.42	30	
Hexachlorobutadiene	7.9		"	10.0		79.2	67-146		3.34	30	
Isopropylbenzene	8.5		"	10.0		84.9	76-140		2.33	30	
Methyl acetate	9.9		"	10.0		99.2	51-139		2.66	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		114	76-135		2.83	30	
Methylcyclohexane	8.5		"	10.0		85.1	72-143		5.15	30	
Methylene chloride	9.0		"	10.0		89.8	55-137		0.666	30	
n-Butylbenzene	8.2		"	10.0		82.2	79-132		0.366	30	
n-Propylbenzene	8.4		"	10.0		83.5	78-133		1.78	30	
o-Xylene	9.2		"	10.0		91.7	78-130		0.218	30	
p- & m- Xylenes	19		"	20.0		93.9	77-133		0.637	30	
p-Isopropyltoluene	8.4		"	10.0		84.3	81-136		0.709	30	
sec-Butylbenzene	8.4		"	10.0		83.9	79-137		0.357	30	
Styrene	8.8		"	10.0		88.0	67-132		0.456	30	
tert-Butyl alcohol (TBA)	57		"	50.0		115	25-162		5.54	30	
tert-Butylbenzene	8.3		"	10.0		83.4	77-138		1.31	30	
Tetrachloroethylene	5.3		"	10.0		53.4	82-131	Low Bias	2.41	30	
Toluene	9.0		"	10.0		89.5	80-127		1.22	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		1.96	30	
trans-1,3-Dichloropropylene	8.7		"	10.0		87.4	78-131		0.114	30	
trans-1,4-dichloro-2-butene	8.2		"	10.0		82.1	63-141		0.122	30	
Trichloroethylene	8.5		"	10.0		85.4	82-128		1.28	30	
Trichlorofluoromethane	10		"	10.0		100	67-139		2.07	30	
Vinyl Chloride	9.7		"	10.0		97.0	58-145		0.206	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.20*		*"*	*10.0*		*92.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*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
Batch BD20932 - EPA 3535A											
Blank (BD20932-BLK1)								Prepared & Analyzed: 04/15/2022			
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*3.52*		*"*	*4.00*		*88.0*	*36.6-118*				
LCS (BD20932-BS1)								Prepared & Analyzed: 04/15/2022			
1,4-Dioxane	4.35	0.300	ug/L	4.00		109	50-130				
Surrogate: 1,4-Dioxane-d8	*3.68*		*"*	*4.00*		*92.0*	*36.6-118*				
Matrix Spike (BD20932-MS1)	*Source sample: 22D0624-01 (Matrix Spike)							Prepared & Analyzed: 04/15/2022			
1,4-Dioxane	1120	0.300	ug/L	4.00	460	NR	50-130	High Bias			
Surrogate: 1,4-Dioxane-d8	*1.60*		*"*	*4.00*		*40.0*	*50-130*				
Matrix Spike Dup (BD20932-MSD1)	*Source sample: 22D0624-01 (Matrix Spike Dup)							Prepared & Analyzed: 04/15/2022			
1,4-Dioxane	1030	0.300	ug/L	4.00	460	NR	50-130	High Bias	8.43	30	
Surrogate: 1,4-Dioxane-d8	*1.60*		*"*	*4.00*		*40.0*	*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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Blank (BD21084-BLK1)							Prepared: 04/18/2022 Analyzed: 04/20/2022				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
N-EtFOSAA	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Surrogate: M3PFBS	*66.1*		*"*	*74.3*		*89.0*	*25-150*				
Surrogate: M5PFHxA	*70.3*		*"*	*80.0*		*87.9*	*25-150*				
Surrogate: M4PFHpA	*87.1*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M3PFHxS	*67.6*		*"*	*75.7*		*89.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*60.8*		*"*	*80.0*		*76.0*	*25-150*				
Surrogate: M6PFDA	*54.8*		*"*	*80.0*		*68.5*	*25-150*				
Surrogate: M7PFUdA	*50.2*		*"*	*80.0*		*62.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*32.6*		*"*	*80.0*		*40.7*	*25-150*				
Surrogate: M2PFTeDA	*25.4*		*"*	*80.0*		*31.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.5*		*"*	*80.0*		*90.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*62.3*		*"*	*76.6*		*81.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*69.8*		*"*	*80.0*		*87.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*20.1*		*"*	*80.0*		*25.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*25.6*		*"*	*80.0*		*32.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*29.5*		*"*	*80.0*		*36.9*	*25-150*				
Surrogate: M2-6:2 FTS	*65.6*		*"*	*75.9*		*86.4*	*25-200*				
Surrogate: M2-8:2 FTS	*93.7*		*"*	*76.6*		*122*	*25-200*				
Surrogate: M9PFNA	*58.6*		*"*	*80.0*		*73.2*	*25-150*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
LCS (BD21084-BS1)								Prepared: 04/18/2022 Analyzed: 04/20/2022			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	79.6	2.00	ng/L	76.8		104	50-175				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	74.5	5.00	"	76.0		98.0	50-175				
N-EtFOSAA	81.1	2.00	"	80.0		101	50-130				
N-MeFOSAA	80.4	2.00	"	80.0		101	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	71.5	2.00	"	77.2		92.6	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	93.5	2.00	"	76.4		122	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	106	2.00	"	80.0		133	50-130	High Bias			
Perfluorobutanesulfonic acid (PFBS)	77.2	2.00	"	70.8		109	50-130				
Perfluorodecanoic acid (PFDA)	86.3	2.00	"	80.0		108	50-130				
Perfluorododecanoic acid (PFDoA)	89.5	2.00	"	80.0		112	50-130				
Perfluoroheptanoic acid (PFHpA)	74.3	2.00	"	80.0		92.9	50-130				
Perfluorohexanesulfonic acid (PFHxS)	83.7	2.00	"	72.8		115	50-130				
Perfluorohexanoic acid (PFHxA)	85.5	2.00	"	80.0		107	50-130				
Perfluoro-n-butanoic acid (PFBA)	87.9	2.00	"	80.0		110	50-130				
Perfluorononanoic acid (PFNA)	83.6	2.00	"	80.0		105	50-130				
Perfluorooctanesulfonic acid (PFOS)	87.4	2.00	"	74.0		118	50-130				
Perfluorooctanoic acid (PFOA)	95.5	2.00	"	80.0		119	50-130				
Perfluoropentanoic acid (PFPeA)	95.9	2.00	"	80.0		120	50-130				
Perfluorotetradecanoic acid (PFTA)	87.8	2.00	"	80.0		110	50-130				
Perfluorotridecanoic acid (PFTrDA)	78.2	2.00	"	80.0		97.8	50-130				
Perfluoroundecanoic acid (PFUnA)	83.2	2.00	"	80.0		104	50-130				
Surrogate: M3PFBS	*71.0*		"	*74.3*		*95.5*	*25-150*				
Surrogate: M5PFHxA	*71.9*		"	*80.0*		*89.8*	*25-150*				
Surrogate: M4PFHpA	*87.4*		"	*80.0*		*109*	*25-150*				
Surrogate: M3PFHxS	*64.8*		"	*75.7*		*85.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*68.1*		"	*80.0*		*85.1*	*25-150*				
Surrogate: M6PFDA	*58.3*		"	*80.0*		*72.9*	*25-150*				
Surrogate: M7PFUdA	*48.3*		"	*80.0*		*60.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*36.4*		"	*80.0*		*45.5*	*25-150*				
Surrogate: M2PFTeDA	*27.5*		"	*80.0*		*34.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*77.3*		"	*80.0*		*96.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*68.1*		"	*76.6*		*89.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.3*		"	*80.0*		*90.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*18.4*		"	*80.0*		*23.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*34.9*		"	*80.0*		*43.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*30.0*		"	*80.0*		*37.6*	*25-150*				
Surrogate: M2-6:2 FTS	*75.8*		"	*75.9*		*99.9*	*25-200*				
Surrogate: M2-8:2 FTS	*78.8*		"	*76.6*		*103*	*25-200*				
Surrogate: M9PFNA	*69.3*		"	*80.0*		*86.6*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BD21084-MS1)	*Source sample: 22D0624-01 (Matrix Spike)						Prepared: 04/18/2022 Analyzed: 04/20/2022				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	498	12.5	ng/L	480	ND	104	25-200				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	895	31.2	"	475	393	106	25-200				
N-EtFOSAA	471	12.5	"	500	ND	94.2	25-150				
N-MeFOSAA	499	12.5	"	500	ND	99.8	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	476	12.5	"	482	ND	98.7	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	544	12.5	"	478	ND	114	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	595	12.5	"	500	ND	119	25-150				
Perfluorobutanesulfonic acid (PFBS)	467	12.5	"	442	ND	105	25-150				
Perfluorodecanoic acid (PFDA)	521	12.5	"	500	ND	104	25-150				
Perfluorododecanoic acid (PFDoA)	517	12.5	"	500	ND	103	25-150				
Perfluoroheptanoic acid (PFHpA)	832	12.5	"	500	386	89.2	25-150				
Perfluorohexanesulfonic acid (PFHxS)	477	12.5	"	455	ND	105	25-150				
Perfluorohexanoic acid (PFHxA)	1300	12.5	"	500	821	95.1	25-150				
Perfluoro-n-butanoic acid (PFBA)	929	12.5	"	500	413	103	25-150				
Perfluorononanoic acid (PFNA)	512	12.5	"	500	13.1	99.8	25-150				
Perfluorooctanesulfonic acid (PFOS)	494	12.5	"	462	ND	107	25-150				
Perfluorooctanoic acid (PFOA)	830	12.5	"	500	294	107	25-150				
Perfluorotetradecanoic acid (PFTA)	487	12.5	"	500	ND	97.4	25-150				
Perfluorotridecanoic acid (PFTrDA)	485	12.5	"	500	ND	96.9	25-150				
Perfluoroundecanoic acid (PFUnA)	505	12.5	"	500	ND	101	25-150				
Surrogate: M3PFBS	*416*		*"*	*464*		*89.6*	*25-150*				
Surrogate: M5PFHxA	*412*		*"*	*500*		*82.5*	*25-150*				
Surrogate: M4PFHpA	*505*		*"*	*500*		*101*	*25-150*				
Surrogate: M3PFHxS	*462*		*"*	*473*		*97.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*410*		*"*	*500*		*82.1*	*25-150*				
Surrogate: M6PFDA	*392*		*"*	*500*		*78.3*	*25-150*				
Surrogate: M7PFUdA	*380*		*"*	*500*		*76.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*338*		*"*	*500*		*67.5*	*25-150*				
Surrogate: M2PFTeDA	*334*		*"*	*500*		*66.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*397*		*"*	*500*		*79.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*457*		*"*	*478*		*95.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*375*		*"*	*500*		*74.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*76.4*		*"*	*500*		*15.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*385*		*"*	*500*		*77.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*370*		*"*	*500*		*74.0*	*25-150*				
Surrogate: M2-6:2 FTS	*499*		*"*	*474*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*600*		*"*	*479*		*125*	*25-200*				
Surrogate: M9PFNA	*420*		*"*	*500*		*84.0*	*25-150*				

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

Batch BD21084 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BD21084-MS2) *Source sample: 22D0730-06 (MW-58D) Prepared: 04/18/2022 Analyzed: 04/21/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1670	25.0	ng/L	960	547	117	25-200				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2900	62.5	"	950	1920	104	25-200				
N-EtFOSAA	1060	25.0	"	1000	ND	106	25-150				
N-MeFOSAA	1060	25.0	"	1000	ND	106	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	1110	25.0	"	965	ND	115	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	1280	25.0	"	955	ND	134	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	1170	25.0	"	1000	ND	117	25-150				
Perfluorobutanesulfonic acid (PFBS)	942	25.0	"	885	27.3	103	25-150				
Perfluorodecanoic acid (PFDA)	1250	25.0	"	1000	157	109	25-150				
Perfluorododecanoic acid (PFDoA)	1060	25.0	"	1000	ND	106	25-150				
Perfluoroheptanoic acid (PFHpA)	1290	25.0	"	1000	408	88.2	25-150				
Perfluorohexanesulfonic acid (PFHxS)	1120	25.0	"	910	123	109	25-150				
Perfluorohexanoic acid (PFHxA)	1950	25.0	"	1000	1020	92.6	25-150				
Perfluoro-n-butanoic acid (PFBA)	1510	25.0	"	1000	495	101	25-150				
Perfluorononanoic acid (PFNA)	1170	25.0	"	1000	140	103	25-150				
Perfluorooctanesulfonic acid (PFOS)	1370	25.0	"	925	268	119	25-150				
Perfluorooctanoic acid (PFOA)	1420	25.0	"	1000	354	106	25-150				
Perfluorotetradecanoic acid (PFTA)	990	25.0	"	1000	ND	99.0	25-150				
Perfluorotridecanoic acid (PFTrDA)	1040	25.0	"	1000	ND	104	25-150				
Perfluoroundecanoic acid (PFUnA)	1100	25.0	"	1000	ND	110	25-150				
Surrogate: M3PFBS	*823*		*"*	*929*		*88.6*	*25-150*				
Surrogate: M5PFHxA	*822*		*"*	*1000*		*82.2*	*25-150*				
Surrogate: M4PFHpA	*1030*		*"*	*1000*		*103*	*25-150*				
Surrogate: M3PFHxS	*876*		*"*	*946*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*880*		*"*	*1000*		*88.0*	*25-150*				
Surrogate: M6PFDA	*806*		*"*	*1000*		*80.6*	*25-150*				
Surrogate: M7PFUdA	*789*		*"*	*1000*		*78.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*735*		*"*	*1000*		*73.5*	*25-150*				
Surrogate: M2PFTeDA	*724*		*"*	*1000*		*72.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*913*		*"*	*1000*		*91.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*813*		*"*	*957*		*84.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*772*		*"*	*1000*		*77.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*309*		*"*	*1000*		*30.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*759*		*"*	*1000*		*75.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*714*		*"*	*1000*		*71.4*	*25-150*				
Surrogate: M2-6:2 FTS	*1060*		*"*	*949*		*112*	*25-200*				
Surrogate: M2-8:2 FTS	*1270*		*"*	*958*		*133*	*25-200*				
Surrogate: M9PFNA	*858*		*"*	*1000*		*85.8*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BD21084-MS3)	*Source sample: 22D0624-01 (Matrix Spike)						Prepared: 04/18/2022 Analyzed: 04/20/2022				
Perfluoropentanoic acid (PFPeA)	786	10.0	ng/L	80.0	ND	982	25-150	High Bias			
Matrix Spike (BD21084-MS5)	*Source sample: 22D0730-06 (MW-58D)						Prepared: 04/18/2022 Analyzed: 04/21/2022				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	137	10.0	ng/L	76.8	547	NR	25-200	Low Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	180	25.0	"	76.0	1920	NR	25-200	Low Bias			
N-EtFOSAA	80.6	10.0	"	80.0	ND	101	25-150				
N-MeFOSAA	75.8	10.0	"	80.0	ND	94.8	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	94.2	10.0	"	77.2	ND	122	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	90.5	10.0	"	76.4	ND	118	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	91.8	10.0	"	80.0	ND	115	25-150				
Perfluorobutanesulfonic acid (PFBS)	76.4	10.0	"	70.8	27.3	69.4	25-150				
Perfluorodecanoic acid (PFDA)	92.2	10.0	"	80.0	157	NR	25-150	Low Bias			
Perfluorododecanoic acid (PFDoA)	88.3	10.0	"	80.0	ND	110	25-150				
Perfluoroheptanoic acid (PFHpA)	99.3	10.0	"	80.0	408	NR	25-150	Low Bias			
Perfluorohexanesulfonic acid (PFHxS)	85.1	10.0	"	72.8	123	NR	25-150	Low Bias			
Perfluorohexanoic acid (PFHxA)	158	10.0	"	80.0	1020	NR	25-150	Low Bias			
Perfluoro-n-butanoic acid (PFBA)	118	10.0	"	80.0	495	NR	25-150	Low Bias			
Perfluorononanoic acid (PFNA)	85.2	10.0	"	80.0	140	NR	25-150	Low Bias			
Perfluorooctanesulfonic acid (PFOS)	103	10.0	"	74.0	268	NR	25-150	Low Bias			
Perfluorooctanoic acid (PFOA)	116	10.0	"	80.0	354	NR	25-150	Low Bias			
Perfluoropentanoic acid (PFPeA)	594	10.0	"	80.0	ND	742	25-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	85.4	10.0	"	80.0	ND	107	25-150				
Perfluorotridecanoic acid (PFTrDA)	72.5	10.0	"	80.0	ND	90.7	25-150				
Perfluoroundecanoic acid (PFUnA)	77.4	10.0	"	80.0	23.7	67.1	25-150				
Surrogate: M3PFBS	*69.9*		*"*	*74.3*		*94.0*	*25-150*				
Surrogate: M5PFHxA	*67.4*		*"*	*80.0*		*84.2*	*25-150*				
Surrogate: M4PFHpA	*88.7*		*"*	*80.0*		*111*	*25-150*				
Surrogate: M3PFHxS	*73.5*		*"*	*75.7*		*97.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*67.1*		*"*	*80.0*		*83.9*	*25-150*				
Surrogate: M6PFDA	*66.0*		*"*	*80.0*		*82.5*	*25-150*				
Surrogate: M7PFUdA	*66.7*		*"*	*80.0*		*83.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*58.6*		*"*	*80.0*		*73.2*	*25-150*				
Surrogate: M2PFTeDA	*54.2*		*"*	*80.0*		*67.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*77.0*		*"*	*80.0*		*96.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.1*		*"*	*76.6*		*85.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*34.1*		*"*	*80.0*		*42.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*26.2*		*"*	*80.0*		*32.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.1*		*"*	*80.0*		*77.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*60.3*		*"*	*80.0*		*75.3*	*25-150*				
Surrogate: M2-6:2 FTS	*85.5*		*"*	*75.9*		*113*	*25-200*				
Surrogate: M2-8:2 FTS	*76.6*		*"*	*76.6*		*99.9*	*25-200*				
Surrogate: M9PFNA	*69.4*		*"*	*80.0*		*86.8*	*25-150*				

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

York Analytical Laboratories, Inc.

Batch BD21084 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BD21084-MS6) *Source sample: 22D0730-06 (MW-58D) Prepared: 04/18/2022 Analyzed: 04/21/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	102	20.0	ng/L	76.8	547	NR	25-200	Low Bias			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	200	50.0	"	76.0	1920	NR	25-200	Low Bias			
N-EtFOSAA	66.2	20.0	"	80.0	ND	82.7	25-150				
N-MeFOSAA	65.7	20.0	"	80.0	ND	82.1	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	75.2	20.0	"	77.2	ND	97.5	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	85.0	20.0	"	76.4	ND	111	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	79.0	20.0	"	80.0	ND	98.8	25-150				
Perfluorobutanesulfonic acid (PFBS)	70.9	20.0	"	70.8	27.3	61.7	25-150				
Perfluorodecanoic acid (PFDA)	87.6	20.0	"	80.0	157	NR	25-150	Low Bias			
Perfluorododecanoic acid (PFDoA)	81.1	20.0	"	80.0	ND	101	25-150				
Perfluoroheptanoic acid (PFHpA)	101	20.0	"	80.0	408	NR	25-150	Low Bias			
Perfluorohexanesulfonic acid (PFHxS)	98.1	20.0	"	72.8	123	NR	25-150	Low Bias			
Perfluorohexanoic acid (PFHxA)	351	20.0	"	80.0	1020	NR	25-150	Low Bias			
Perfluoro-n-butanoic acid (PFBA)	122	20.0	"	80.0	495	NR	25-150	Low Bias			
Perfluorononanoic acid (PFNA)	84.1	20.0	"	80.0	140	NR	25-150	Low Bias			
Perfluorooctanesulfonic acid (PFOS)	93.7	20.0	"	74.0	268	NR	25-150	Low Bias			
Perfluorooctanoic acid (PFOA)	124	20.0	"	80.0	354	NR	25-150	Low Bias			
Perfluoropentanoic acid (PFPeA)	343	20.0	"	80.0	ND	428	25-150	High Bias			
Perfluorotetradecanoic acid (PFTA)	76.9	20.0	"	80.0	ND	96.2	25-150				
Perfluorotridecanoic acid (PFTrDA)	87.1	20.0	"	80.0	ND	109	25-150				
Perfluoroundecanoic acid (PFUnA)	87.9	20.0	"	80.0	23.7	80.3	25-150				
Surrogate: M3PFBS	*74.0*		"	*74.3*		*99.5*	*25-150*				
Surrogate: M5PFHxA	*29.9*		"	*80.0*		*37.4*	*25-150*				
Surrogate: M4PFHpA	*84.0*		"	*80.0*		*105*	*25-150*				
Surrogate: M3PFHxS	*67.1*		"	*75.7*		*88.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*66.4*		"	*80.0*		*83.0*	*25-150*				
Surrogate: M6PFDA	*75.3*		"	*80.0*		*94.1*	*25-150*				
Surrogate: M7PFUdA	*65.8*		"	*80.0*		*82.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*59.0*		"	*80.0*		*73.7*	*25-150*				
Surrogate: M2PFTeDA	*61.4*		"	*80.0*		*76.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.0*		"	*80.0*		*94.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*71.9*		"	*76.6*		*93.9*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*54.3*		"	*80.0*		*67.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*29.6*		"	*80.0*		*37.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*66.1*		"	*80.0*		*82.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*72.7*		"	*80.0*		*90.8*	*25-150*				
Surrogate: M2-6:2 FTS	*76.2*		"	*75.9*		*100*	*25-200*				
Surrogate: M2-8:2 FTS	*100*		"	*76.6*		*131*	*25-200*				
Surrogate: M9PFNA	*66.0*		"	*80.0*		*82.5*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD21084-MSD1)	*Source sample: 22D0624-01 (Matrix Spike Dup)								Prepared: 04/18/2022 Analyzed: 04/20/2022		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	495	12.5	ng/L	480	ND	103	25-200		0.517	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	896	31.2	"	475	393	106	25-200		0.175	35	
N-EtFOSAA	469	12.5	"	500	ND	93.8	25-150		0.443	35	
N-MeFOSAA	563	12.5	"	500	ND	113	25-150		12.1	35	
Perfluoro-1-decanesulfonic acid (PFDS)	492	12.5	"	482	ND	102	25-150		3.40	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	542	12.5	"	478	ND	113	25-150		0.292	35	
Perfluoro-1-octanesulfonamide (FOSA)	572	12.5	"	500	ND	114	25-150		3.94	35	
Perfluorobutanesulfonic acid (PFBS)	481	12.5	"	442	ND	109	25-150		2.90	35	
Perfluorodecanoic acid (PFDA)	557	12.5	"	500	ND	111	25-150		6.70	35	
Perfluorododecanoic acid (PFDoA)	526	12.5	"	500	ND	105	25-150		1.61	35	
Perfluoroheptanoic acid (PFHpA)	881	12.5	"	500	386	99.0	25-150		5.72	35	
Perfluorohexanesulfonic acid (PFHxS)	539	12.5	"	455	ND	118	25-150		12.2	35	
Perfluorohexanoic acid (PFHxA)	1380	12.5	"	500	821	111	25-150		5.94	35	
Perfluoro-n-butanoic acid (PFBA)	971	12.5	"	500	413	111	25-150		4.37	35	
Perfluorononanoic acid (PFNA)	494	12.5	"	500	13.1	96.1	25-150		3.70	35	
Perfluorooctanesulfonic acid (PFOS)	502	12.5	"	462	ND	108	25-150		1.49	35	
Perfluorooctanoic acid (PFOA)	851	12.5	"	500	294	111	25-150		2.46	35	
Perfluoropentanoic acid (PFPeA)	ND	12.5	"	500	ND		25-150	Low Bias		35	
Perfluorotetradecanoic acid (PFTA)	505	12.5	"	500	ND	101	25-150		3.72	35	
Perfluorotridecanoic acid (PFTrDA)	601	12.5	"	500	ND	120	25-150		21.5	35	
Perfluoroundecanoic acid (PFUnA)	505	12.5	"	500	ND	101	25-150		0.0334	35	
Surrogate: M3PFBS	*436*		"	*464*		*93.9*	*25-150*				
Surrogate: M5PFHxA	*403*		"	*500*		*80.7*	*25-150*				
Surrogate: M4PFHpA	*494*		"	*500*		*98.7*	*25-150*				
Surrogate: M3PFHxS	*438*		"	*473*		*92.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*409*		"	*500*		*81.9*	*25-150*				
Surrogate: M6PFDA	*383*		"	*500*		*76.5*	*25-150*				
Surrogate: M7PFUdA	*374*		"	*500*		*74.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*330*		"	*500*		*66.0*	*25-150*				
Surrogate: M2PFTeDA	*331*		"	*500*		*66.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*376*		"	*500*		*75.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*469*		"	*478*		*98.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*403*		"	*500*		*80.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*28.7*		"	*500*		*5.74*	*10-150*				
Surrogate: d3-N-MeFOSAA	*367*		"	*500*		*73.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*379*		"	*500*		*75.8*	*25-150*				
Surrogate: M2-6:2 FTS	*497*		"	*474*		*105*	*25-200*				
Surrogate: M2-8:2 FTS	*625*		"	*479*		*131*	*25-200*				
Surrogate: M9PFNA	*441*		"	*500*		*88.2*	*25-150*				

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

Batch BD21084 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BD21084-MSD2) *Source sample: 22D0730-06 (MW-58D) Prepared: 04/18/2022 Analyzed: 04/21/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	1780	25.0	ng/L	960	547	128	25-200		6.25	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	2740	62.5	"	950	1920	86.3	25-200		5.90	35	
N-EtFOSAA	914	25.0	"	1000	ND	91.4	25-150		15.2	35	
N-MeFOSAA	1070	25.0	"	1000	ND	107	25-150		0.708	35	
Perfluoro-1-decanesulfonic acid (PFDS)	974	25.0	"	965	ND	101	25-150		12.7	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	1120	25.0	"	955	ND	118	25-150		13.0	35	
Perfluoro-1-octanesulfonamide (FOSA)	1060	25.0	"	1000	ND	106	25-150		10.4	35	
Perfluorobutanesulfonic acid (PFBS)	933	25.0	"	885	27.3	102	25-150		0.891	35	
Perfluorodecanoic acid (PFDA)	1210	25.0	"	1000	157	105	25-150		3.15	35	
Perfluorododecanoic acid (PFDoA)	1010	25.0	"	1000	ND	101	25-150		4.64	35	
Perfluoroheptanoic acid (PFHpA)	1200	25.0	"	1000	408	79.3	25-150		7.08	35	
Perfluorohexanesulfonic acid (PFHxS)	1090	25.0	"	910	123	106	25-150		2.63	35	
Perfluorohexanoic acid (PFHxA)	1960	25.0	"	1000	1020	93.7	25-150		0.556	35	
Perfluoro-n-butanoic acid (PFBA)	1520	25.0	"	1000	495	102	25-150		0.479	35	
Perfluorononanoic acid (PFNA)	1130	25.0	"	1000	140	98.5	25-150		3.74	35	
Perfluorooctanesulfonic acid (PFOS)	1310	25.0	"	925	268	113	25-150		4.22	35	
Perfluorooctanoic acid (PFOA)	1400	25.0	"	1000	354	104	25-150		1.50	35	
Perfluoropentanoic acid (PFPeA)	ND	25.0	"	1000	ND		25-150	Low Bias		35	
Perfluorotetradecanoic acid (PFTA)	985	25.0	"	1000	ND	98.5	25-150		0.574	35	
Perfluorotridecanoic acid (PFTrDA)	915	25.0	"	1000	ND	91.5	25-150		12.7	35	
Perfluoroundecanoic acid (PFUnA)	1010	25.0	"	1000	ND	101	25-150		8.45	35	
Surrogate: M3PFBS	*773*		*"*	*929*		*83.2*	*25-150*				
Surrogate: M5PFHxA	*782*		*"*	*1000*		*78.2*	*25-150*				
Surrogate: M4PFHpA	*1080*		*"*	*1000*		*108*	*25-150*				
Surrogate: M3PFHxS	*817*		*"*	*946*		*86.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*849*		*"*	*1000*		*84.9*	*25-150*				
Surrogate: M6PFDA	*790*		*"*	*1000*		*79.0*	*25-150*				
Surrogate: M7PFUdA	*768*		*"*	*1000*		*76.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*706*		*"*	*1000*		*70.6*	*25-150*				
Surrogate: M2PFTeDA	*618*		*"*	*1000*		*61.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*899*		*"*	*1000*		*89.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*826*		*"*	*957*		*86.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*762*		*"*	*1000*		*76.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*466*		*"*	*1000*		*46.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*735*		*"*	*1000*		*73.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*785*		*"*	*1000*		*78.5*	*25-150*				
Surrogate: M2-6:2 FTS	*972*		*"*	*949*		*102*	*25-200*				
Surrogate: M2-8:2 FTS	*1020*		*"*	*958*		*106*	*25-200*				
Surrogate: M9PFNA	*835*		*"*	*1000*		*83.5*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD21084-MSD3)	*Source sample: 22D0624-01 (Matrix Spike Dup)						Prepared: 04/18/2022 Analyzed: 04/20/2022				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	97.3	10.0	ng/L	76.8	ND	127	25-200		14.5	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	131	25.0	"	76.0	393	NR	25-200	Low Bias	2.88	35	
N-EtFOSAA	66.7	10.0	"	80.0	ND	83.3	25-150		11.6	35	
N-MeFOSAA	80.3	10.0	"	80.0	ND	100	25-150		7.87	35	
Perfluoro-1-decanesulfonic acid (PFDS)	86.3	10.0	"	77.2	ND	112	25-150		7.48	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	90.7	10.0	"	76.4	ND	119	25-150		0.413	35	
Perfluoro-1-octanesulfonamide (FOSA)	73.2	10.0	"	80.0	ND	91.4	25-150		41.8	35	Non-dir.
Perfluorobutanesulfonic acid (PFBS)	78.3	10.0	"	70.8	ND	111	25-150		6.31	35	
Perfluorodecanoic acid (PFDA)	90.4	10.0	"	80.0	ND	113	25-150		2.18	35	
Perfluorododecanoic acid (PFDoA)	85.8	10.0	"	80.0	ND	107	25-150		3.23	35	
Perfluoroheptanoic acid (PFHpA)	135	10.0	"	80.0	386	NR	25-150	Low Bias	0.446	35	
Perfluorohexanesulfonic acid (PFHxS)	81.4	10.0	"	72.8	ND	112	25-150		4.48	35	
Perfluorohexanoic acid (PFHxA)	236	10.0	"	80.0	821	NR	25-150	Low Bias	6.97	35	
Perfluoro-n-butanoic acid (PFBA)	158	10.0	"	80.0	413	NR	25-150	Low Bias	1.87	35	
Perfluorononanoic acid (PFNA)	78.9	10.0	"	80.0	13.1	82.2	25-150		4.13	35	
Perfluorooctanesulfonic acid (PFOS)	89.4	10.0	"	74.0	ND	121	25-150		9.25	35	
Perfluorooctanoic acid (PFOA)	145	10.0	"	80.0	294	NR	25-150	Low Bias	6.03	35	
Perfluoropentanoic acid (PFPeA)	2310	10.0	"	80.0	ND	NR	25-150	High Bias	98.5	35	Non-dir.
Perfluorotetradecanoic acid (PFTA)	94.4	10.0	"	80.0	ND	118	25-150		20.0	35	
Perfluorotridecanoic acid (PFTrDA)	89.2	10.0	"	80.0	ND	112	25-150		1.89	35	
Perfluoroundecanoic acid (PFUnA)	83.3	10.0	"	80.0	ND	104	25-150		0.233	35	
Surrogate: M3PFBS	*66.4*		"	*74.3*		*89.4*	*25-150*				
Surrogate: M5PFHxA	*66.0*		"	*80.0*		*82.5*	*25-150*				
Surrogate: M4PFHpA	*79.9*		"	*80.0*		*99.9*	*25-150*				
Surrogate: M3PFHxS	*68.4*		"	*75.7*		*90.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*62.2*		"	*80.0*		*77.8*	*25-150*				
Surrogate: M6PFDA	*57.3*		"	*80.0*		*71.6*	*25-150*				
Surrogate: M7PFUdA	*53.6*		"	*80.0*		*67.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*47.5*		"	*80.0*		*59.3*	*25-150*				
Surrogate: M2PFTeDA	*44.6*		"	*80.0*		*55.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*71.9*		"	*80.0*		*89.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*68.1*		"	*76.6*		*89.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*17.9*		"	*80.0*		*22.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.72*		"	*80.0*		*4.65*	*10-150*				
Surrogate: d3-N-MeFOSAA	*57.4*		"	*80.0*		*71.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*56.5*		"	*80.0*		*70.6*	*25-150*				
Surrogate: M2-6:2 FTS	*78.3*		"	*75.9*		*103*	*25-200*				
Surrogate: M2-8:2 FTS	*73.2*		"	*76.6*		*95.5*	*25-200*				
Surrogate: M9PFNA	*64.3*		"	*80.0*		*80.3*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD21084-MSD4)	*Source sample: 22D0624-01 (Matrix Spike Dup)								Prepared: 04/18/2022 Analyzed: 04/20/2022		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	96.0	20.0	ng/L	76.8	ND	125	25-200		25.4	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	111	50.0	"	76.0	393	NR	25-200	Low Bias	14.1	35	
N-EtFOSAA	58.2	20.0	"	80.0	ND	72.8	25-150		30.5	35	
N-MeFOSAA	59.7	20.0	"	80.0	ND	74.6	25-150		23.8	35	
Perfluoro-1-decanesulfonic acid (PFDS)	88.7	20.0	"	77.2	ND	115	25-150		8.34	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	109	20.0	"	76.4	ND	143	25-150		25.5	35	
Perfluoro-1-octanesulfonamide (FOSA)	157	20.0	"	80.0	ND	196	25-150	High Bias	51.7	35	Non-dir.
Perfluorobutanesulfonic acid (PFBS)	75.3	20.0	"	70.8	ND	106	25-150		14.6	35	
Perfluorodecanoic acid (PFDA)	89.3	20.0	"	80.0	ND	112	25-150		5.51	35	
Perfluorododecanoic acid (PFDoA)	90.0	20.0	"	80.0	ND	112	25-150		12.2	35	
Perfluoroheptanoic acid (PFHpA)	128	20.0	"	80.0	386	NR	25-150	Low Bias	3.87	35	
Perfluorohexanesulfonic acid (PFHxS)	96.9	20.0	"	72.8	ND	133	25-150		23.0	35	
Perfluorohexanoic acid (PFHxA)	224	20.0	"	80.0	821	NR	25-150	Low Bias	2.29	35	
Perfluoro-n-butanoic acid (PFBA)	157	20.0	"	80.0	413	NR	25-150	Low Bias	3.66	35	
Perfluorononanoic acid (PFNA)	78.0	20.0	"	80.0	ND	97.5	25-150		9.84	35	
Perfluorooctanesulfonic acid (PFOS)	81.1	20.0	"	74.0	ND	110	25-150		7.89	35	
Perfluorooctanoic acid (PFOA)	136	20.0	"	80.0	294	NR	25-150	Low Bias	1.35	35	
Perfluoropentanoic acid (PFPeA)	1150	20.0	"	80.0	ND	NR	25-150	High Bias	34.9	35	
Perfluorotetradecanoic acid (PFTA)	84.0	20.0	"	80.0	ND	105	25-150		11.7	35	
Perfluorotridecanoic acid (PFTrDA)	88.0	20.0	"	80.0	ND	110	25-150		2.45	35	
Perfluoroundecanoic acid (PFUnA)	91.9	20.0	"	80.0	ND	115	25-150		23.0	35	
Surrogate: M3PFBS	*69.5*		"	*74.3*		*93.5*	*25-150*				
Surrogate: M5PFHxA	*64.6*		"	*80.0*		*80.8*	*25-150*				
Surrogate: M4PFHpA	*86.5*		"	*80.0*		*108*	*25-150*				
Surrogate: M3PFHxS	*63.2*		"	*75.7*		*83.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*66.1*		"	*80.0*		*82.6*	*25-150*				
Surrogate: M6PFDA	*54.9*		"	*80.0*		*68.6*	*25-150*				
Surrogate: M7PFUdA	*50.2*		"	*80.0*		*62.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*48.9*		"	*80.0*		*61.1*	*25-150*				
Surrogate: M2PFTeDA	*46.6*		"	*80.0*		*58.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*75.5*		"	*80.0*		*94.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*64.5*		"	*76.6*		*84.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*29.4*		"	*80.0*		*36.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.49*		"	*80.0*		*3.12*	*10-150*				
Surrogate: d3-N-MeFOSAA	*62.5*		"	*80.0*		*78.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*69.6*		"	*80.0*		*87.0*	*25-150*				
Surrogate: M2-6:2 FTS	*90.6*		"	*75.9*		*119*	*25-200*				
Surrogate: M2-8:2 FTS	*78.2*		"	*76.6*		*102*	*25-200*				
Surrogate: M9PFNA	*59.1*		"	*80.0*		*73.9*	*25-150*				

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

Batch BD21084 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BD21084-MSD5) *Source sample: 22D0730-06 (MW-58D) Prepared: 04/18/2022 Analyzed: 04/21/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	99.3	10.0	ng/L	76.8	547	NR	25-200	Low Bias	31.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	210	25.0	"	76.0	1920	NR	25-200	Low Bias	15.1	35	
N-EtFOSAA	75.2	10.0	"	80.0	ND	94.0	25-150		6.92	35	
N-MeFOSAA	78.4	10.0	"	80.0	ND	98.0	25-150		3.35	35	
Perfluoro-1-decanesulfonic acid (PFDS)	85.3	10.0	"	77.2	ND	111	25-150		9.88	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	92.1	10.0	"	76.4	ND	121	25-150		1.77	35	
Perfluoro-1-octanesulfonamide (FOSA)	95.0	10.0	"	80.0	ND	119	25-150		3.38	35	
Perfluorobutanesulfonic acid (PFBS)	74.2	10.0	"	70.8	27.3	66.3	25-150		2.91	35	
Perfluorodecanoic acid (PFDA)	102	10.0	"	80.0	157	NR	25-150	Low Bias	9.94	35	
Perfluorododecanoic acid (PFDoA)	82.6	10.0	"	80.0	ND	103	25-150		6.71	35	
Perfluoroheptanoic acid (PFHpA)	94.8	10.0	"	80.0	408	NR	25-150	Low Bias	4.67	35	
Perfluorohexanesulfonic acid (PFHxS)	98.1	10.0	"	72.8	123	NR	25-150	Low Bias	14.2	35	
Perfluorohexanoic acid (PFHxA)	157	10.0	"	80.0	1020	NR	25-150	Low Bias	0.494	35	
Perfluoro-n-butanoic acid (PFBA)	122	10.0	"	80.0	495	NR	25-150	Low Bias	3.65	35	
Perfluorononanoic acid (PFNA)	83.8	10.0	"	80.0	140	NR	25-150	Low Bias	1.59	35	
Perfluorooctanesulfonic acid (PFOS)	103	10.0	"	74.0	268	NR	25-150	Low Bias	0.474	35	
Perfluorooctanoic acid (PFOA)	114	10.0	"	80.0	354	NR	25-150	Low Bias	1.57	35	
Perfluoropentanoic acid (PFPeA)	368	10.0	"	80.0	ND	460	25-150	High Bias	47.0	35	Non-dir.
Perfluorotetradecanoic acid (PFTA)	79.7	10.0	"	80.0	ND	99.7	25-150		6.84	35	
Perfluorotridecanoic acid (PFTrDA)	78.8	10.0	"	80.0	ND	98.5	25-150		8.26	35	
Perfluoroundecanoic acid (PFUnA)	83.6	10.0	"	80.0	23.7	74.8	25-150		7.73	35	
Surrogate: M3PFBS	*62.8*		*"*	*74.3*		*84.5*	*25-150*				
Surrogate: M5PFHxA	*63.5*		*"*	*80.0*		*79.3*	*25-150*				
Surrogate: M4PFHpA	*83.1*		*"*	*80.0*		*104*	*25-150*				
Surrogate: M3PFHxS	*54.7*		*"*	*75.7*		*72.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*65.0*		*"*	*80.0*		*81.3*	*25-150*				
Surrogate: M6PFDA	*58.9*		*"*	*80.0*		*73.7*	*25-150*				
Surrogate: M7PFUdA	*58.3*		*"*	*80.0*		*72.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*52.9*		*"*	*80.0*		*66.1*	*25-150*				
Surrogate: M2PFTeDA	*46.0*		*"*	*80.0*		*57.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*68.3*		*"*	*80.0*		*85.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*63.6*		*"*	*76.6*		*83.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*49.5*		*"*	*80.0*		*61.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.8*		*"*	*80.0*		*41.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*54.5*		*"*	*80.0*		*68.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*59.9*		*"*	*80.0*		*74.9*	*25-150*				
Surrogate: M2-6:2 FTS	*75.8*		*"*	*75.9*		*99.8*	*25-200*				
Surrogate: M2-8:2 FTS	*79.4*		*"*	*76.6*		*104*	*25-200*				
Surrogate: M9PFNA	*65.6*		*"*	*80.0*		*82.0*	*25-150*				

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
Batch BD21084 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike Dup (BD21084-MSD6)	*Source sample: 22D0730-06 (MW-58D)								Prepared: 04/18/2022 Analyzed: 04/21/2022		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	123	20.0	ng/L	76.8	547	NR	25-200	Low Bias	18.8	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	182	50.0	"	76.0	1920	NR	25-200	Low Bias	9.45	35	
N-EtFOSAA	74.9	20.0	"	80.0	ND	93.6	25-150		12.3	35	
N-MeFOSAA	88.9	20.0	"	80.0	ND	111	25-150		30.1	35	
Perfluoro-1-decanesulfonic acid (PFDS)	90.6	20.0	"	77.2	ND	117	25-150		18.5	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	100	20.0	"	76.4	ND	131	25-150		16.5	35	
Perfluoro-1-octanesulfonamide (FOSA)	85.5	20.0	"	80.0	ND	107	25-150		7.83	35	
Perfluorobutanesulfonic acid (PFBS)	71.8	20.0	"	70.8	27.3	62.9	25-150		1.27	35	
Perfluorodecanoic acid (PFDA)	102	20.0	"	80.0	157	NR	25-150	Low Bias	15.3	35	
Perfluorododecanoic acid (PFDoA)	87.5	20.0	"	80.0	ND	109	25-150		7.54	35	
Perfluoroheptanoic acid (PFHpA)	101	20.0	"	80.0	408	NR	25-150	Low Bias	0.540	35	
Perfluorohexanesulfonic acid (PFHxS)	94.7	20.0	"	72.8	123	NR	25-150	Low Bias	3.51	35	
Perfluorohexanoic acid (PFHxA)	155	20.0	"	80.0	1020	NR	25-150	Low Bias	77.3	35	Non-dir.
Perfluoro-n-butanoic acid (PFBA)	118	20.0	"	80.0	495	NR	25-150	Low Bias	3.79	35	
Perfluorononanoic acid (PFNA)	89.1	20.0	"	80.0	140	NR	25-150	Low Bias	5.81	35	
Perfluorooctanesulfonic acid (PFOS)	118	20.0	"	74.0	268	NR	25-150	Low Bias	23.0	35	
Perfluorooctanoic acid (PFOA)	109	20.0	"	80.0	354	NR	25-150	Low Bias	13.3	35	
Perfluoropentanoic acid (PFPeA)	578	20.0	"	80.0	ND	722	25-150	High Bias	51.1	35	Non-dir.
Perfluorotetradecanoic acid (PFTA)	78.5	20.0	"	80.0	ND	98.2	25-150		2.08	35	
Perfluorotridecanoic acid (PFTrDA)	88.9	20.0	"	80.0	ND	111	25-150		1.99	35	
Perfluoroundecanoic acid (PFUnA)	91.2	20.0	"	80.0	23.7	84.4	25-150		3.68	35	
Surrogate: M3PFBS	*68.8*		"	*74.3*		*92.6*	*25-150*				
Surrogate: M5PFHxA	*66.8*		"	*80.0*		*83.5*	*25-150*				
Surrogate: M4PFHpA	*82.9*		"	*80.0*		*104*	*25-150*				
Surrogate: M3PFHxS	*63.2*		"	*75.7*		*83.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*71.4*		"	*80.0*		*89.2*	*25-150*				
Surrogate: M6PFDA	*61.4*		"	*80.0*		*76.8*	*25-150*				
Surrogate: M7PFUdA	*55.6*		"	*80.0*		*69.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*49.6*		"	*80.0*		*62.0*	*25-150*				
Surrogate: M2PFTeDA	*50.5*		"	*80.0*		*63.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*76.2*		"	*80.0*		*95.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*62.4*		"	*76.6*		*81.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*31.9*		"	*80.0*		*39.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*39.2*		"	*80.0*		*49.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*54.0*		"	*80.0*		*67.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*60.9*		"	*80.0*		*76.1*	*25-150*				
Surrogate: M2-6:2 FTS	*82.7*		"	*75.9*		*109*	*25-200*				
Surrogate: M2-8:2 FTS	*85.5*		"	*76.6*		*112*	*25-200*				
Surrogate: M9PFNA	*66.2*		"	*80.0*		*82.7*	*25-150*				

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
Batch BD21107 - Preparation for GC Analysis											
Blank (BD21107-BLK1)								Prepared & Analyzed: 04/19/2022			
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	"								
Surrogate: 1,4-Butanediol	*55.5*		*"*	*50.0*		*111*	*30-130*				
LCS (BD21107-BS1)								Prepared & Analyzed: 04/19/2022			
Ethylene Glycol	47.1	10.0	mg/L	50.0		94.3	60-140				
Propylene Glycol	46.6	10.0	"	50.0		93.3	60-140				
Surrogate: 1,4-Butanediol	*54.4*		*"*	*50.0*		*109*	*30-130*				
Duplicate (BD21107-DUP1)	*Source sample: 22D0624-01 (Duplicate)							Prepared: 04/19/2022 Analyzed: 04/20/2022			
Ethylene Glycol	ND	10.0	mg/L		ND					25	
Propylene Glycol	ND	10.0	"		ND					25	
Surrogate: 1,4-Butanediol	*50.3*		*"*	*50.0*		*101*	*30-130*				
Matrix Spike (BD21107-MS1)	*Source sample: 22D0624-01 (Matrix Spike)							Prepared: 04/19/2022 Analyzed: 04/20/2022			
Ethylene Glycol	44.3	10.0	mg/L	50.0	ND	88.6	60-140				
Propylene Glycol	47.3	10.0	"	50.0	ND	94.6	60-140				
Surrogate: 1,4-Butanediol	*51.8*		*"*	*50.0*		*104*	*30-130*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22D0730-01	XDDMW-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0730-04	MW-59D	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0730-05	FMW-39	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0730-10	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0730-11	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QM-11	The spike recovery or RPD may not be available or within QC limits because of sample dilution due to high analyte concentration and/or matrix interference.
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.
PFSUBS	The aqueous smaple contained appreciable levels of sediment requiring sub-sampling by decantation.
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.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

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

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YORK Project No. 22D0730

Page 1 of 2

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
WSP USA	Same	Same	31402218.000	RUSH - Next Day
500 Summit Lake Dr Valhalla NY 10595			YOUR Project Name: Westchester County Airport (WCA	RUSH - Two Day
914 694 5711				RUSH - Three Day
John Benvegna				RUSH - Four Day
John.Benvegna@wsp.com			YOUR PO#:	Standard (5-7 Day) X

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

Mike Reiff [signature]

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater (circled); DW - drinking water; WW - wastewater; O - Oil; Other

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	EPA 537	8260 full list	1,4 Dioxane	Metals	Container Description: 2P, 3V, 1A, 2V
XDDMW-10	GW	4/13/22 1045		x			x
XDDMW-11	↓	1000	x		x	x	x x x
MW-59S		1110	x				x
MW-59D		1200	x	x			x x
FMW-39		1230	x	x		x	x x x
MW-58D		1400	x				x
Matrix Spike MW-58D		1400	x				x
Matrix Spike Duplicate MW-58D		1400	x				x
FMW-24	↓	1440	x			x	x x

Comments:

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

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

Special Instruction: Field Filtered; Lab to Filter

[signature] 4/13/22 1600 | [signature] 4/14/22 12:28 | [signature] 4/14/22 1440

4/14/22 1440 6.0

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

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

YORK Project No. 22DC750

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: INSPUSA	Company:	Company:	3140221 8.000	RUSH - Next Day
Address: 500 Summit Lake Dr Valhalla NY 10595	Address: Same	Address: Same	YOUR Project Name: Westchester County Airport (WCA	RUSH - Two Day
Phone: 914 694 5711	Phone:	Phone:		RUSH - Three Day
Contact: John Benvegna	Contact:	Contact:		RUSH - Four Day
E-mail: John.Benvegna@wsp.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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

Mike Reiff

Samples Collected by: (print AND sign your name)

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

Samples From
New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested: EPA 537	8260 Full List	1,4 Dioxane	6 PFAS	Container Description
			EPA 537	8260 Full List	1,4 Dioxane	6 PFAS	2P, 3U, 1G, 2V
FMW-2R	GW	4/13/22 1515	X				X
Field Duplicate	↓	4/13/22 —	X				X
Field Blank	DI	4/13/22 1545	X	X	X	X	X X X ✓
Trip Blank	↓	— —		X			✓

Comments:

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

Special Instruction
Field Filtered
Lab to Filter

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

Relinquished By:	Date/Time	Received By:	Date/Time	Relinquished By:	Date/Time
	4/13/22 1600		4/14/22 12:20		4/14/22 1440
					4/14/22 1440 C-6

Technical Report

prepared for:

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

Report Date: 04/22/2022
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 22D0792

Report Date: 04/22/2022
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 22D0792

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 15, 2022 and listed below. The project was identified as your project: **31402218.000 Westchester County Airport (WCA)**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22D0792-01	MW-43	Water	04/14/2022	04/15/2022
22D0792-02	MW-44	Water	04/14/2022	04/15/2022
22D0792-03	MW-56D	Water	04/14/2022	04/15/2022
22D0792-04	FMW-14	Water	04/14/2022	04/15/2022
22D0792-05	MW-52	Water	04/14/2022	04/15/2022
22D0792-06	FMW-23	Water	04/14/2022	04/15/2022
22D0792-07	MW-61	Water	04/14/2022	04/15/2022
22D0792-08	MW-53	Water	04/14/2022	04/15/2022
22D0792-09	FMW-6	Water	04/14/2022	04/15/2022
22D0792-10	FMW-7	Water	04/14/2022	04/15/2022
22D0792-11	Field Blank	Water	04/14/2022	04/15/2022
22D0792-12	Trip Blank	Water	04/14/2022	04/15/2022

General Notes for York Project (SDG) No.: 22D0792

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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 04/22/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: MW-43 **York Sample ID:** 22D0792-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 10:10 am	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: MW-43 **York Sample ID:** 22D0792-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 10:10 am	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 20:06 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: MW-43 **York Sample ID:** 22D0792-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 10:10 am	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**3.2**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/21/2022 20:06	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/21/2022 20:06	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/21/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2022 20:06	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 20:06	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2022 20:06	JM

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **MW-43** **York Sample ID:** **22D0792-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 10:10 am	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.4 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.9 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*			*79-122*						

PFAS, NYSDEC Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**5.66**		ng/L	4.81	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**4.19**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
375-73-5	* **Perfluorobutanesulfonic acid (PFBS)**	**11.8**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**30.3**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**128**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**67.8**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**36.3**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**42.1**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**201**		ng/L	9.62	5	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 14:58	WL

Sample Information

Client Sample ID: **MW-43** **York Sample ID:** **22D0792-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 10:10 am	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**55.9**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**97.3**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:11	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*91.5 %*	*25-150*
Surrogate: M5PFHxA	*84.3 %*	*25-150*
Surrogate: M4PFHpA	*114 %*	*25-150*
Surrogate: M3PFHxS	*95.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*88.0 %*	*25-150*
Surrogate: M6PFDA	*90.9 %*	*25-150*
Surrogate: M7PFUdA	*85.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*76.1 %*	*25-150*
Surrogate: M2PFTeDA	*66.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*47.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*91.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*91.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*83.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*11.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*85.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*99.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*120 %*	*25-200*
Surrogate: M2-8:2 FTS	*125 %*	*25-200*
Surrogate: M9PFNA	*79.2 %*	*25-150*
Surrogate: M9PFNA	*85.9 %*	*25-150*

Sample Information

Client Sample ID: **MW-44** **York Sample ID:** **22D0792-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 9:45 am	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**9.15**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**4.28**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
375-73-5	* **Perfluorobutanesulfonic acid (PFBS)**	**18.2**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**20.2**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**110**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**59.1**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**29.3**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**26.1**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**83.2**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**63.2**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**104**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL
2058-94-8	* **Perfluoroundecanoic acid (PFUnA)**	**3.06**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 15:50	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.1 %*	*25-150*

Sample Information

Client Sample ID: **MW-44** **York Sample ID:** **22D0792-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 9:45 am	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*80.1 %*			*25-150*					
	Surrogate: M4PFHpA	*107 %*			*25-150*					
	Surrogate: M3PFHxS	*89.5 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.6 %*			*25-150*					
	Surrogate: M6PFDA	*83.5 %*			*25-150*					
	Surrogate: M7PFUdA	*79.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*68.1 %*			*25-150*					
	Surrogate: M2PFTeDA	*64.3 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*52.2 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*89.8 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.2 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*8.81 %*	PFSu-L		*10-150*					
	Surrogate: d3-N-MeFOSAA	*92.7 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*100 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*103 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*121 %*			*25-200*					
	Surrogate: M9PFNA	*80.3 %*			*25-150*					

Sample Information

Client Sample ID: **MW-56D** **York Sample ID:** **22D0792-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 11:00 am	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL

Sample Information

Client Sample ID: **MW-56D** **York Sample ID:** **22D0792-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 11:00 am	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**2.39**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**2.21**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 16:42	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.6 %*	*25-150*
Surrogate: M5PFHxA	*84.6 %*	*25-150*
Surrogate: M4PFHpA	*111 %*	*25-150*
Surrogate: M3PFHxS	*85.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*89.0 %*	*25-150*
Surrogate: M6PFDA	*83.5 %*	*25-150*
Surrogate: M7PFUdA	*87.1 %*	*25-150*

Sample Information

Client Sample ID: MW-56D **York Sample ID:** 22D0792-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 11:00 am	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*78.3 %*		*25-150*						
	Surrogate: M2PFTeDA	*69.1 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*93.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*99.6 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*84.6 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.92 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*76.5 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*89.6 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*101 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*103 %*		*25-200*						
	Surrogate: M9PFNA	*89.4 %*		*25-150*						

Sample Information

Client Sample ID: FMW-14 **York Sample ID:** 22D0792-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 11:35 am	04/15/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM

Sample Information

Client Sample ID: **FMW-14** **York Sample ID:** **22D0792-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 11:35 am	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM

Sample Information

Client Sample ID: **FMW-14** **York Sample ID:** **22D0792-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 11:35 am	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
108-90-7	**Chlorobenzene**	**10**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
156-59-2	**cis-1,2-Dichloroethylene**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/20/2022 17:16	JM

Sample Information

Client Sample ID: **FMW-14** **York Sample ID:** **22D0792-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 11:35 am	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/20/2022 17:16	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/20/2022 17:16	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:16	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/20/2022 17:16	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.8 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.7 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.73	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL

Sample Information

Client Sample ID: **FMW-14** **York Sample ID:** **22D0792-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 11:35 am	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**3.15**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**5.92**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**8.99**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**86.5**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**18.1**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**9.71**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**19.1**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**92.8**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**51.1**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**15.9**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL
2058-94-8	*** Perfluoroundecanoic acid (PFUnA)**	**2.72**		ng/L	1.89	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:21	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*91.4 %*	*25-150*
Surrogate: M5PFHxA	*87.9 %*	*25-150*
Surrogate: M4PFHpA	*105 %*	*25-150*
Surrogate: M3PFHxS	*95.8 %*	*25-150*

Sample Information

Client Sample ID: FMW-14 **York Sample ID:** 22D0792-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 11:35 am	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*88.7 %*		*25-150*						
	Surrogate: M6PFDA	*89.7 %*		*25-150*						
	Surrogate: M7PFUdA	*86.5 %*		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*79.8 %*		*25-150*						
	Surrogate: M2PFTeDA	*76.3 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*34.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*89.8 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*81.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.59 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*96.6 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*112 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*144 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*151 %*		*25-200*						
	Surrogate: M9PFNA	*87.1 %*		*25-150*						

Sample Information

Client Sample ID: MW-52 **York Sample ID:** 22D0792-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 12:30 pm	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL

Sample Information

Client Sample ID: MW-52 **York Sample ID:** 22D0792-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 12:30 pm	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**2.90**		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**2.32**		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**5.02**		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**11.5**		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**3.07**		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**4.82**		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 17:59	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.9 %*	*25-150*
Surrogate: M5PFHxA	*81.5 %*	*25-150*
Surrogate: M4PFHpA	*105 %*	*25-150*
Surrogate: M3PFHxS	*93.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*87.8 %*	*25-150*
Surrogate: M6PFDA	*81.5 %*	*25-150*
Surrogate: M7PFUdA	*74.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*68.9 %*	*25-150*
Surrogate: M2PFTeDA	*63.2 %*	*10-150*

Sample Information

Client Sample ID: MW-52 **York Sample ID:** 22D0792-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 12:30 pm	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*58.7 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*94.5 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*83.5 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*5.20 %*	PFSu-L	*10-150*						
	Surrogate: d3-N-MeFOSAA	*87.4 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*99.7 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*135 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*138 %*		*25-200*						
	Surrogate: M9PFNA	*86.1 %*		*25-150*						

Sample Information

Client Sample ID: FMW-23 **York Sample ID:** 22D0792-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 1:15 pm	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/20/2022 09:00	04/20/2022 17:45	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/20/2022 09:00	04/20/2022 17:45	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/20/2022 09:00	04/20/2022 17:45	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/20/2022 09:00	04/20/2022 17:45	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/20/2022 09:00	04/20/2022 17:45	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/20/2022 09:00	04/20/2022 17:45	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/20/2022 09:00	04/20/2022 17:45	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/20/2022 09:00	04/20/2022 17:45	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/20/2022 09:00	04/20/2022 17:45	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **FMW-23** **York Sample ID:** **22D0792-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 1:15 pm	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM

Sample Information

Client Sample ID: **FMW-23** **York Sample ID:** **22D0792-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 1:15 pm	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
156-59-2	**cis-1,2-Dichloroethylene**	**89**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 03:42	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/20/2022 17:45	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/20/2022 17:45	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/20/2022 17:45	JM

Sample Information

Client Sample ID: **FMW-23** **York Sample ID:** **22D0792-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 1:15 pm	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	**trans-1,2-Dichloroethylene**	**0.62**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP
79-01-6	**Trichloroethylene**	**0.60**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/20/2022 09:00	04/20/2022 17:45	JM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**5.07**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**14.9**		ng/L	12.5	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL

Sample Information

Client Sample ID: **FMW-23** **York Sample ID:** **22D0792-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 1:15 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**10.4**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**24.1**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
335-76-2	*** Perfluorodecanoic acid (PFDA)**	**17.7**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**96.8**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**259**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**164**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**86.6**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**109**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**328**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**83.8**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**461**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL
2058-94-8	*** Perfluoroundecanoic acid (PFUnA)**	**10.3**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 18:52	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.3 %*	*25-150*
Surrogate: M5PFHxA	*83.3 %*	*25-150*
Surrogate: M4PFHpA	*104 %*	*25-150*
Surrogate: M3PFHxS	*91.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*88.8 %*	*25-150*
Surrogate: M6PFDA	*86.7 %*	*25-150*

Sample Information

Client Sample ID: FMW-23 **York Sample ID:** 22D0792-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 1:15 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M7PFUdA	*86.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*70.8 %*			*25-150*					
	Surrogate: M2PFTeDA	*60.0 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*52.3 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*92.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*78.1 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*6.22 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*86.6 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*107 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*154 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*155 %*			*25-200*					
	Surrogate: M9PFNA	*82.5 %*			*25-150*					

Sample Information

Client Sample ID: MW-61 **York Sample ID:** 22D0792-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 1:40 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL

Sample Information

Client Sample ID: **MW-61** **York Sample ID:** **22D0792-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 1:40 pm	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**2.89**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**4.85**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**29.3**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**8.51**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**8.26**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**3.69**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**69.0**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**11.4**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**10.2**		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 19:30	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.6 %*	*25-150*
Surrogate: M5PFHxA	*79.7 %*	*25-150*
Surrogate: M4PFHpA	*105 %*	*25-150*
Surrogate: M3PFHxS	*82.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.5 %*	*25-150*
Surrogate: M6PFDA	*82.7 %*	*25-150*
Surrogate: M7PFUdA	*73.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*61.1 %*	*25-150*
Surrogate: M2PFTeDA	*54.6 %*	*10-150*

Sample Information

Client Sample ID: **MW-61** **York Sample ID:** **22D0792-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 1:40 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*73.8 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*90.2 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.27 %*	PFSu-L	*10-150*						
	Surrogate: d3-N-MeFOSAA	*87.7 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*91.9 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*87.4 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*114 %*		*25-200*						
	Surrogate: M9PFNA	*85.1 %*		*25-150*						

Sample Information

Client Sample ID: **MW-53** **York Sample ID:** **22D0792-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 2:45 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**21.6**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**12.7**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL

Sample Information

Client Sample ID: **MW-53** **York Sample ID:** **22D0792-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 2:45 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**22.7**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**220**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**30.5**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**32.2**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**16.8**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**304**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**41.9**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**34.0**		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:09	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*94.7 %*	*25-150*
Surrogate: M5PFHxA	*92.9 %*	*25-150*
Surrogate: M4PFHpA	*124 %*	*25-150*
Surrogate: M3PFHxS	*93.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*94.6 %*	*25-150*
Surrogate: M6PFDA	*98.1 %*	*25-150*
Surrogate: M7PFUdA	*99.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*92.3 %*	*25-150*
Surrogate: M2PFTeDA	*86.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*84.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*102 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*94.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*26.8 %*	*10-150*

Sample Information

Client Sample ID: MW-53 **York Sample ID:** 22D0792-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 2:45 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d3-N-MeFOSAA	*94.6 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*121 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*98.0 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*155 %*		*25-200*						
	Surrogate: M9PFNA	*96.8 %*		*25-150*						

Sample Information

Client Sample ID: FMW-6 **York Sample ID:** 22D0792-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 2:25 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**884**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**678**		ng/L	62.5	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**200**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
375-73-5	* **Perfluorobutanesulfonic acid (PFBS)**	**82.8**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
335-76-2	* **Perfluorodecanoic acid (PFDA)**	**276**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
307-55-1	* **Perfluorododecanoic acid (PFDoA)**	**26.4**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**1050**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**2840**		ng/L	125	5	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:35	WL

Sample Information

Client Sample ID: FMW-6 **York Sample ID:** 22D0792-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 2:25 pm	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**1090**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**652**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**654**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**5160**		ng/L	125	5	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:35	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**1130**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
72629-94-8	*** Perfluorotridecanoic acid (PFTrDA)**	**133**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:01	WL
2058-94-8	*** Perfluoroundecanoic acid (PFUnA)**	**6510**		ng/L	125	5	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 20:35	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.4 %*	*25-150*
Surrogate: M5PFHxA	*83.3 %*	*25-150*
Surrogate: M4PFHpA	*105 %*	*25-150*
Surrogate: M3PFHxS	*91.6 %*	*25-150*
Surrogate: M3PFHxS	*87.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*85.7 %*	*25-150*
Surrogate: M6PFDA	*90.9 %*	*25-150*
Surrogate: M7PFUdA	*86.6 %*	*25-150*
Surrogate: M7PFUdA	*73.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*85.8 %*	*25-150*
Surrogate: M2PFTeDA	*78.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*94.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*86.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*101 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*82.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*24.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*88.2 %*	*25-150*

Sample Information

Client Sample ID: FMW-6 **York Sample ID:** 22D0792-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 2:25 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: d5-N-EtFOSAA	*88.7 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*95.2 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*122 %*		*25-200*						
	Surrogate: M9PFNA	*83.5 %*		*25-150*						

Sample Information

Client Sample ID: FMW-7 **York Sample ID:** 22D0792-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:00 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**336**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**540**		ng/L	62.5	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**321**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
375-73-5	* **Perfluorobutanesulfonic acid (PFBS)**	**164**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
335-76-2	* **Perfluorodecanoic acid (PFDA)**	**127**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**485**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**3580**		ng/L	125	5	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:27	WL
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**840**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL

Sample Information

Client Sample ID: FMW-7 **York Sample ID:** 22D0792-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:00 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**407**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**1580**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**15200**		ng/L	250	10	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:14	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**636**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**1790**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
72629-94-8	* **Perfluorotridecanoic acid (PFTrDA)**	**68.4**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL
2058-94-8	* **Perfluoroundecanoic acid (PFUnA)**	**1270**		ng/L	25.0	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:40	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*89.9 %*		*25-150*
Surrogate: M5PFHxA	*81.6 %*		*25-150*
Surrogate: M4PFHpA	*112 %*		*25-150*
Surrogate: M3PFHxS	*78.1 %*		*25-150*
Surrogate: M3PFHxS	*94.9 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*85.6 %*		*25-150*
Surrogate: M6PFDA	*89.2 %*		*25-150*
Surrogate: M7PFUdA	*80.6 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*79.4 %*		*25-150*
Surrogate: M2PFTeDA	*70.2 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*89.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*66.6 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*86.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*76.3 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*9.54 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*82.3 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*93.7 %*		*25-150*
Surrogate: M2-6:2 FTS	*96.8 %*		*25-200*
Surrogate: M2-8:2 FTS	*116 %*		*25-200*

Sample Information

Client Sample ID: FMW-7 **York Sample ID:** 22D0792-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:00 pm	04/15/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M9PFNA	*72.4 %*			*25-150*					

Sample Information

Client Sample ID: Field Blank **York Sample ID:** 22D0792-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:15 pm	04/15/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0792-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:15 pm	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0792-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:15 pm	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-09-2	**Methylene chloride**	**6.1**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:52 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: Field Blank **York Sample ID:** 22D0792-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:15 pm	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:52	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:52	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2022 00:52	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:52	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:52	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:52	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2022 00:52	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*90.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0792-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:15 pm	04/15/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/19/2022 13:53	04/21/2022 21:53	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.1 %*	*25-150*
Surrogate: M5PFHxA	*85.7 %*	*25-150*
Surrogate: M4PFHpA	*103 %*	*25-150*
Surrogate: M3PFHxS	*82.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.2 %*	*25-150*
Surrogate: M6PFDA	*61.7 %*	*25-150*
Surrogate: M7PFUdA	*61.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*54.1 %*	*25-150*
Surrogate: M2PFTeDA	*37.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*94.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*73.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*81.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*10.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*38.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*44.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*82.7 %*	*25-200*

Sample Information

Client Sample ID: Field Blank | **York Sample ID:** 22D0792-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:15 pm	04/15/2022

PFAS, NYSDEC Target List | **Log-in Notes:** | **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M2-8:2 FTS	*82.9 %*			*25-200*					
	Surrogate: M9PFNA	*71.4 %*			*25-150*					

Sample Information

Client Sample ID: Trip Blank | **York Sample ID:** 22D0792-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:00 pm	04/15/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22D0792-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:00 pm	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22D0792-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:00 pm	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30	04/21/2022 00:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0792-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0792	31402218.000 Westchester County Airport (WCA)	Water	April 14, 2022 3:00 pm	04/15/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2022 00:23	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 00:23	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/20/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2022 00:23	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*91.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

Analytical Batch Summary

Batch ID: BD21155 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22D0792-01	MW-43	04/19/22
22D0792-01RE1	MW-43	04/19/22
22D0792-01RE2	MW-43	04/19/22
22D0792-02	MW-44	04/19/22
22D0792-02RE1	MW-44	04/19/22
22D0792-02RE2	MW-44	04/19/22
22D0792-03	MW-56D	04/19/22
22D0792-03RE1	MW-56D	04/19/22
22D0792-03RE2	MW-56D	04/19/22
22D0792-04	FMW-14	04/19/22
22D0792-04RE1	FMW-14	04/19/22
22D0792-04RE2	FMW-14	04/19/22
22D0792-05	MW-52	04/19/22
22D0792-05RE1	MW-52	04/19/22
22D0792-05RE2	MW-52	04/19/22
22D0792-06	FMW-23	04/19/22
22D0792-06RE1	FMW-23	04/19/22
22D0792-06RE2	FMW-23	04/19/22
22D0792-07	MW-61	04/19/22
22D0792-07RE1	MW-61	04/19/22
22D0792-07RE2	MW-61	04/19/22
22D0792-08	MW-53	04/19/22
22D0792-08RE1	MW-53	04/19/22
22D0792-08RE2	MW-53	04/19/22
22D0792-09	FMW-6	04/19/22
22D0792-09RE1	FMW-6	04/19/22
22D0792-09RE2	FMW-6	04/19/22
22D0792-10	FMW-7	04/19/22
22D0792-10RE1	FMW-7	04/19/22
22D0792-10RE2	FMW-7	04/19/22
22D0792-11	Field Blank	04/19/22
BD21155-BLK1	Blank	04/19/22
BD21155-BS1	LCS	04/19/22
BD21155-BSD1	LCS Dup	04/19/22

Batch ID: BD21208 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22D0792-04	FMW-14	04/20/22
22D0792-06	FMW-23	04/20/22
BD21208-BLK1	Blank	04/20/22
BD21208-BS1	LCS	04/20/22
BD21208-BSD1	LCS Dup	04/20/22

Batch ID: BD21209 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22D0792-11	Field Blank	04/20/22
22D0792-12	Trip Blank	04/20/22
BD21209-BLK1	Blank	04/20/22
BD21209-BS1	LCS	04/20/22
BD21209-BSD1	LCS Dup	04/20/22

Batch ID: BD21301 **Preparation Method:** EPA 5030B **Prepared By:** DS

YORK Sample ID	Client Sample ID	Preparation Date
22D0792-01	MW-43	04/21/22
BD21301-BLK1	Blank	04/21/22
BD21301-BS1	LCS	04/21/22
BD21301-BSD1	LCS Dup	04/21/22

Batch ID: BD21326 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22D0792-06RE1	FMW-23	04/21/22
BD21326-BLK1	Blank	04/21/22
BD21326-BS1	LCS	04/21/22
BD21326-BSD1	LCS Dup	04/21/22

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
Batch BD21208 - EPA 5030B											
Blank (BD21208-BLK1)											Prepared & Analyzed: 04/20/2022
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21208 - EPA 5030B											
Blank (BD21208-BLK1)								Prepared & Analyzed: 04/20/2022			
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.10*		*"*	*10.0*		*91.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*79-122*				
LCS (BD21208-BS1)								Prepared & Analyzed: 04/20/2022			
1,1,1,2-Tetrachloroethane	8.8		ug/L	10.0		87.5	82-126				
1,1,1-Trichloroethane	11		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	8.7		"	10.0		87.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		118	54-165				
1,1,2-Trichloroethane	9.0		"	10.0		90.1	82-123				
1,1-Dichloroethane	11		"	10.0		106	82-129				
1,1-Dichloroethylene	11		"	10.0		112	68-138				
1,2,3-Trichlorobenzene	7.6		"	10.0		75.7	40-130				
1,2,3-Trichloropropane	8.7		"	10.0		86.6	77-128				
1,2,4-Trichlorobenzene	7.8		"	10.0		77.7	65-137				
1,2,4-Trimethylbenzene	8.4		"	10.0		84.0	82-132				
1,2-Dibromo-3-chloropropane	8.2		"	10.0		82.1	45-147				
1,2-Dibromoethane	9.0		"	10.0		90.0	83-124				
1,2-Dichlorobenzene	8.3		"	10.0		82.6	79-123				
1,2-Dichloroethane	11		"	10.0		109	73-132				
1,2-Dichloropropane	9.0		"	10.0		89.5	78-126				
1,3,5-Trimethylbenzene	8.3		"	10.0		83.1	80-131				
1,3-Dichlorobenzene	8.2		"	10.0		82.4	86-130	Low Bias			
1,4-Dichlorobenzene	8.3		"	10.0		82.7	85-130	Low Bias			
1,4-Dioxane	150		"	210		73.2	10-349				
2-Butanone	11		"	10.0		110	49-152				
2-Hexanone	8.2		"	10.0		82.2	51-146				
4-Methyl-2-pentanone	8.9		"	10.0		89.3	57-145				
Acetone	6.8		"	10.0		68.1	14-150				
Acrolein	11		"	100		11.0	10-153				
Acrylonitrile	10		"	10.0		100	51-150				

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
Batch BD21208 - EPA 5030B											
LCS (BD21208-BS1)								Prepared & Analyzed: 04/20/2022			
Benzene	11		ug/L	10.0		108	85-126				
Bromochloromethane	10		"	10.0		101	77-128				
Bromodichloromethane	8.8		"	10.0		88.5	79-128				
Bromoform	8.7		"	10.0		87.0	78-133				
Bromomethane	2.9		"	10.0		28.7	43-168	Low Bias			
Carbon disulfide	11		"	10.0		114	68-146				
Carbon tetrachloride	11		"	10.0		110	77-141				
Chlorobenzene	9.5		"	10.0		95.4	88-120				
Chloroethane	11		"	10.0		108	65-136				
Chloroform	11		"	10.0		106	82-128				
Chloromethane	7.5		"	10.0		75.2	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	8.9		"	10.0		88.8	80-131				
Cyclohexane	11		"	10.0		108	63-149				
Dibromochloromethane	8.7		"	10.0		87.0	80-130				
Dibromomethane	8.9		"	10.0		89.4	72-134				
Dichlorodifluoromethane	8.4		"	10.0		83.8	44-144				
Ethyl Benzene	9.2		"	10.0		92.2	80-131				
Hexachlorobutadiene	7.7		"	10.0		76.6	67-146				
Isopropylbenzene	8.7		"	10.0		86.9	76-140				
Methyl acetate	9.7		"	10.0		96.6	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		111	76-135				
Methylcyclohexane	9.0		"	10.0		89.6	72-143				
Methylene chloride	9.0		"	10.0		90.4	55-137				
n-Butylbenzene	8.2		"	10.0		81.9	79-132				
n-Propylbenzene	8.5		"	10.0		85.0	78-133				
o-Xylene	9.2		"	10.0		91.5	78-130				
p- & m- Xylenes	19		"	20.0		94.5	77-133				
p-Isopropyltoluene	8.5		"	10.0		84.9	81-136				
sec-Butylbenzene	8.4		"	10.0		84.2	79-137				
Styrene	8.8		"	10.0		87.6	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		109	25-162				
tert-Butylbenzene	8.4		"	10.0		84.5	77-138				
Tetrachloroethylene	5.5		"	10.0		54.7	82-131	Low Bias			
Toluene	9.1		"	10.0		90.6	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132				
trans-1,3-Dichloropropylene	8.7		"	10.0		87.3	78-131				
trans-1,4-dichloro-2-butene	8.2		"	10.0		82.2	63-141				
Trichloroethylene	8.6		"	10.0		86.5	82-128				
Trichlorofluoromethane	10		"	10.0		103	67-139				
Vinyl Chloride	9.7		"	10.0		97.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.24*		*"*	*10.0*		*92.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*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
Batch BD21208 - EPA 5030B											
LCS Dup (BD21208-BSD1)								Prepared & Analyzed: 04/20/2022			
1,1,1,2-Tetrachloroethane	8.7		ug/L	10.0		87.0	82-126		0.573	30	
1,1,1-Trichloroethane	11		"	10.0		107	78-136		1.49	30	
1,1,2,2-Tetrachloroethane	8.8		"	10.0		87.9	76-129		0.685	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		112	54-165		5.30	30	
1,1,2-Trichloroethane	8.9		"	10.0		89.3	82-123		0.892	30	
1,1-Dichloroethane	11		"	10.0		106	82-129		0.755	30	
1,1-Dichloroethylene	11		"	10.0		109	68-138		2.35	30	
1,2,3-Trichlorobenzene	7.8		"	10.0		78.1	40-130		3.12	30	
1,2,3-Trichloropropane	8.7		"	10.0		86.8	77-128		0.231	30	
1,2,4-Trichlorobenzene	7.7		"	10.0		76.7	65-137		1.30	30	
1,2,4-Trimethylbenzene	8.3		"	10.0		82.9	82-132		1.32	30	
1,2-Dibromo-3-chloropropane	8.4		"	10.0		83.7	45-147		1.93	30	
1,2-Dibromoethane	9.1		"	10.0		90.9	83-124		0.995	30	
1,2-Dichlorobenzene	8.2		"	10.0		81.9	79-123		0.851	30	
1,2-Dichloroethane	11		"	10.0		108	73-132		1.20	30	
1,2-Dichloropropane	8.9		"	10.0		89.3	78-126		0.224	30	
1,3,5-Trimethylbenzene	8.2		"	10.0		82.2	80-131		1.09	30	
1,3-Dichlorobenzene	8.2		"	10.0		81.6	86-130	Low Bias	0.976	30	
1,4-Dichlorobenzene	8.2		"	10.0		81.9	85-130	Low Bias	0.972	30	
1,4-Dioxane	160		"	210		78.0	10-349		6.34	30	
2-Butanone	12		"	10.0		115	49-152		4.89	30	
2-Hexanone	8.4		"	10.0		84.2	51-146		2.40	30	
4-Methyl-2-pentanone	9.1		"	10.0		91.2	57-145		2.11	30	
Acetone	7.1		"	10.0		70.8	14-150		3.89	30	
Acrolein	12		"	100		11.5	10-153		4.99	30	
Acrylonitrile	10		"	10.0		104	51-150		3.23	30	
Benzene	11		"	10.0		108	85-126		0.0929	30	
Bromochloromethane	10		"	10.0		102	77-128		0.394	30	
Bromodichloromethane	8.8		"	10.0		88.0	79-128		0.567	30	
Bromoform	8.8		"	10.0		88.3	78-133		1.48	30	
Bromomethane	3.2		"	10.0		32.5	43-168	Low Bias	12.4	30	
Carbon disulfide	11		"	10.0		112	68-146		1.76	30	
Carbon tetrachloride	11		"	10.0		108	77-141		1.84	30	
Chlorobenzene	9.6		"	10.0		95.6	88-120		0.209	30	
Chloroethane	11		"	10.0		110	65-136		1.19	30	
Chloroform	11		"	10.0		106	82-128		0.188	30	
Chloromethane	7.3		"	10.0		73.4	43-155		2.42	30	
cis-1,2-Dichloroethylene	10		"	10.0		105	83-129		1.33	30	
cis-1,3-Dichloropropylene	8.8		"	10.0		87.9	80-131		1.02	30	
Cyclohexane	10		"	10.0		104	63-149		4.43	30	
Dibromochloromethane	8.8		"	10.0		87.6	80-130		0.687	30	
Dibromomethane	9.0		"	10.0		90.3	72-134		1.00	30	
Dichlorodifluoromethane	7.6		"	10.0		76.1	44-144		9.63	30	
Ethyl Benzene	9.1		"	10.0		90.9	80-131		1.42	30	
Hexachlorobutadiene	7.9		"	10.0		79.2	67-146		3.34	30	
Isopropylbenzene	8.5		"	10.0		84.9	76-140		2.33	30	
Methyl acetate	9.9		"	10.0		99.2	51-139		2.66	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		114	76-135		2.83	30	
Methylcyclohexane	8.5		"	10.0		85.1	72-143		5.15	30	
Methylene chloride	9.0		"	10.0		89.8	55-137		0.666	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
Batch BD21208 - EPA 5030B											
LCS Dup (BD21208-BSD1)								Prepared & Analyzed: 04/20/2022			
n-Butylbenzene	8.2		ug/L	10.0		82.2	79-132		0.366	30	
n-Propylbenzene	8.4		"	10.0		83.5	78-133		1.78	30	
o-Xylene	9.2		"	10.0		91.7	78-130		0.218	30	
p- & m- Xylenes	19		"	20.0		93.9	77-133		0.637	30	
p-Isopropyltoluene	8.4		"	10.0		84.3	81-136		0.709	30	
sec-Butylbenzene	8.4		"	10.0		83.9	79-137		0.357	30	
Styrene	8.8		"	10.0		88.0	67-132		0.456	30	
tert-Butyl alcohol (TBA)	57		"	50.0		115	25-162		5.54	30	
tert-Butylbenzene	8.3		"	10.0		83.4	77-138		1.31	30	
Tetrachloroethylene	5.3		"	10.0		53.4	82-131	Low Bias	2.41	30	
Toluene	9.0		"	10.0		89.5	80-127		1.22	30	
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132		1.96	30	
trans-1,3-Dichloropropylene	8.7		"	10.0		87.4	78-131		0.114	30	
trans-1,4-dichloro-2-butene	8.2		"	10.0		82.1	63-141		0.122	30	
Trichloroethylene	8.5		"	10.0		85.4	82-128		1.28	30	
Trichlorofluoromethane	10		"	10.0		100	67-139		2.07	30	
Vinyl Chloride	9.7		"	10.0		97.0	58-145		0.206	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.20*		*"*	*10.0*		*92.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*79-122*				
Batch BD21209 - EPA 5030B											
Blank (BD21209-BLK1)								Prepared & Analyzed: 04/20/2022			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21209 - EPA 5030B											
Blank (BD21209-BLK1)											
Prepared & Analyzed: 04/20/2022											
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.03*		*"*	*10.0*		*90.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.96*		*"*	*10.0*		*99.6*	*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
Batch BD21209 - EPA 5030B											
LCS (BD21209-BS1)								Prepared & Analyzed: 04/20/2022			
1,1,1,2-Tetrachloroethane	8.7		ug/L	10.0		86.8	82-126				
1,1,1-Trichloroethane	11		"	10.0		114	78-136				
1,1,2,2-Tetrachloroethane	8.4		"	10.0		84.1	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		119	54-165				
1,1,2-Trichloroethane	8.7		"	10.0		86.8	82-123				
1,1-Dichloroethane	11		"	10.0		110	82-129				
1,1-Dichloroethylene	12		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	7.2		"	10.0		71.9	40-130				
1,2,3-Trichloropropane	8.4		"	10.0		84.5	77-128				
1,2,4-Trichlorobenzene	7.3		"	10.0		72.6	65-137				
1,2,4-Trimethylbenzene	8.2		"	10.0		81.5	82-132	Low Bias			
1,2-Dibromo-3-chloropropane	7.8		"	10.0		77.9	45-147				
1,2-Dibromoethane	8.8		"	10.0		88.0	83-124				
1,2-Dichlorobenzene	8.1		"	10.0		81.0	79-123				
1,2-Dichloroethane	11		"	10.0		110	73-132				
1,2-Dichloropropane	9.0		"	10.0		89.8	78-126				
1,3,5-Trimethylbenzene	8.1		"	10.0		80.7	80-131				
1,3-Dichlorobenzene	8.1		"	10.0		80.9	86-130	Low Bias			
1,4-Dichlorobenzene	8.1		"	10.0		80.9	85-130	Low Bias			
1,4-Dioxane	160		"	210		74.0	10-349				
2-Butanone	11		"	10.0		110	49-152				
2-Hexanone	7.9		"	10.0		79.2	51-146				
4-Methyl-2-pentanone	8.6		"	10.0		86.2	57-145				
Acetone	7.5		"	10.0		75.2	14-150				
Acrolein	11		"	100		10.7	10-153				
Acrylonitrile	9.8		"	10.0		98.3	51-150				
Benzene	11		"	10.0		112	85-126				
Bromochloromethane	10		"	10.0		102	77-128				
Bromodichloromethane	8.7		"	10.0		87.4	79-128				
Bromoform	8.5		"	10.0		85.0	78-133				
Bromomethane	3.6		"	10.0		36.1	43-168	Low Bias			
Carbon disulfide	12		"	10.0		118	68-146				
Carbon tetrachloride	11		"	10.0		114	77-141				
Chlorobenzene	9.6		"	10.0		95.7	88-120				
Chloroethane	11		"	10.0		113	65-136				
Chloroform	11		"	10.0		110	82-128				
Chloromethane	7.9		"	10.0		79.4	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	8.3		"	10.0		82.6	80-131				
Cyclohexane	11		"	10.0		108	63-149				
Dibromochloromethane	8.5		"	10.0		85.4	80-130				
Dibromomethane	8.8		"	10.0		87.5	72-134				
Dichlorodifluoromethane	8.0		"	10.0		80.1	44-144				
Ethyl Benzene	9.2		"	10.0		92.3	80-131				
Hexachlorobutadiene	6.3		"	10.0		62.6	67-146	Low Bias			
Isopropylbenzene	8.6		"	10.0		85.9	76-140				
Methyl acetate	8.4		"	10.0		84.3	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		113	76-135				
Methylcyclohexane	8.5		"	10.0		85.0	72-143				
Methylene chloride	9.1		"	10.0		91.2	55-137				

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
Batch BD21209 - EPA 5030B											
LCS (BD21209-BS1)								Prepared & Analyzed: 04/20/2022			
n-Butylbenzene	7.8		ug/L	10.0		78.0	79-132	Low Bias			
n-Propylbenzene	8.4		"	10.0		83.8	78-133				
o-Xylene	9.2		"	10.0		91.8	78-130				
p- & m- Xylenes	19		"	20.0		94.8	77-133				
p-Isopropyltoluene	8.1		"	10.0		81.0	81-136				
sec-Butylbenzene	8.1		"	10.0		81.3	79-137				
Styrene	8.6		"	10.0		85.8	67-132				
tert-Butyl alcohol (TBA)	54		"	50.0		109	25-162				
tert-Butylbenzene	8.2		"	10.0		82.2	77-138				
Tetrachloroethylene	5.4		"	10.0		54.2	82-131	Low Bias			
Toluene	9.1		"	10.0		91.4	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	8.1		"	10.0		80.6	78-131				
trans-1,4-dichloro-2-butene	8.2		"	10.0		81.6	63-141				
Trichloroethylene	8.7		"	10.0		87.3	82-128				
Trichlorofluoromethane	11		"	10.0		105	67-139				
Vinyl Chloride	10		"	10.0		102	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.08*		*"*	*10.0*		*90.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				
LCS Dup (BD21209-BSD1)								Prepared & Analyzed: 04/20/2022			
1,1,1,2-Tetrachloroethane	8.9		ug/L	10.0		89.2	82-126		2.73	30	
1,1,1-Trichloroethane	12		"	10.0		116	78-136		2.44	30	
1,1,2,2-Tetrachloroethane	8.7		"	10.0		87.0	76-129		3.39	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		126	54-165		5.47	30	
1,1,2-Trichloroethane	8.9		"	10.0		88.6	82-123		2.05	30	
1,1-Dichloroethane	11		"	10.0		113	82-129		2.51	30	
1,1-Dichloroethylene	12		"	10.0		118	68-138		2.06	30	
1,2,3-Trichlorobenzene	7.5		"	10.0		75.2	40-130		4.49	30	
1,2,3-Trichloropropane	8.5		"	10.0		84.9	77-128		0.472	30	
1,2,4-Trichlorobenzene	7.4		"	10.0		73.6	65-137		1.37	30	
1,2,4-Trimethylbenzene	8.4		"	10.0		83.5	82-132		2.42	30	
1,2-Dibromo-3-chloropropane	8.1		"	10.0		81.4	45-147		4.39	30	
1,2-Dibromoethane	9.0		"	10.0		89.5	83-124		1.69	30	
1,2-Dichlorobenzene	8.3		"	10.0		82.9	79-123		2.32	30	
1,2-Dichloroethane	11		"	10.0		114	73-132		3.21	30	
1,2-Dichloropropane	9.1		"	10.0		91.0	78-126		1.33	30	
1,3,5-Trimethylbenzene	8.3		"	10.0		83.3	80-131		3.17	30	
1,3-Dichlorobenzene	8.3		"	10.0		83.0	86-130	Low Bias	2.56	30	
1,4-Dichlorobenzene	8.3		"	10.0		82.9	85-130	Low Bias	2.44	30	
1,4-Dioxane	160		"	210		76.5	10-349		3.30	30	
2-Butanone	11		"	10.0		110	49-152		0.0905	30	
2-Hexanone	8.2		"	10.0		81.8	51-146		3.23	30	
4-Methyl-2-pentanone	8.8		"	10.0		87.8	57-145		1.84	30	
Acetone	7.6		"	10.0		76.2	14-150		1.32	30	
Acrolein	11		"	100		10.8	10-153		1.12	30	
Acrylonitrile	9.9		"	10.0		99.4	51-150		1.11	30	
Benzene	11		"	10.0		115	85-126		2.82	30	
Bromochloromethane	11		"	10.0		105	77-128		3.19	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
Batch BD21209 - EPA 5030B											
LCS Dup (BD21209-BSD1)								Prepared & Analyzed: 04/20/2022			
Bromodichloromethane	8.9		ug/L	10.0		88.8	79-128		1.59	30	
Bromoform	8.7		"	10.0		87.2	78-133		2.56	30	
Bromomethane	4.2		"	10.0		41.9	43-168	Low Bias	14.9	30	
Carbon disulfide	12		"	10.0		122	68-146		3.50	30	
Carbon tetrachloride	12		"	10.0		117	77-141		2.59	30	
Chlorobenzene	9.8		"	10.0		97.7	88-120		2.07	30	
Chloroethane	12		"	10.0		118	65-136		4.59	30	
Chloroform	11		"	10.0		113	82-128		2.33	30	
Chloromethane	8.6		"	10.0		86.0	43-155		7.98	30	
cis-1,2-Dichloroethylene	11		"	10.0		107	83-129		2.76	30	
cis-1,3-Dichloropropylene	8.4		"	10.0		84.4	80-131		2.16	30	
Cyclohexane	11		"	10.0		114	63-149		4.86	30	
Dibromochloromethane	8.7		"	10.0		87.2	80-130		2.09	30	
Dibromomethane	9.0		"	10.0		89.6	72-134		2.37	30	
Dichlorodifluoromethane	9.0		"	10.0		90.2	44-144		11.9	30	
Ethyl Benzene	9.4		"	10.0		94.5	80-131		2.36	30	
Hexachlorobutadiene	6.4		"	10.0		63.5	67-146	Low Bias	1.43	30	
Isopropylbenzene	8.8		"	10.0		88.0	76-140		2.42	30	
Methyl acetate	8.6		"	10.0		85.6	51-139		1.53	30	
Methyl tert-butyl ether (MTBE)	12		"	10.0		116	76-135		2.35	30	
Methylcyclohexane	9.0		"	10.0		89.7	72-143		5.38	30	
Methylene chloride	9.2		"	10.0		92.5	55-137		1.42	30	
n-Butylbenzene	8.1		"	10.0		80.9	79-132		3.65	30	
n-Propylbenzene	8.5		"	10.0		85.4	78-133		1.89	30	
o-Xylene	9.4		"	10.0		94.2	78-130		2.58	30	
p- & m- Xylenes	19		"	20.0		97.2	77-133		2.55	30	
p-Isopropyltoluene	8.3		"	10.0		83.0	81-136		2.44	30	
sec-Butylbenzene	8.3		"	10.0		83.2	79-137		2.31	30	
Styrene	8.8		"	10.0		88.0	67-132		2.53	30	
tert-Butyl alcohol (TBA)	56		"	50.0		112	25-162		2.50	30	
tert-Butylbenzene	8.4		"	10.0		84.5	77-138		2.76	30	
Tetrachloroethylene	5.6		"	10.0		55.6	82-131	Low Bias	2.55	30	
Toluene	9.3		"	10.0		93.2	80-127		1.95	30	
trans-1,2-Dichloroethylene	12		"	10.0		115	80-132		2.37	30	
trans-1,3-Dichloropropylene	8.2		"	10.0		82.0	78-131		1.72	30	
trans-1,4-dichloro-2-butene	8.4		"	10.0		84.0	63-141		2.90	30	
Trichloroethylene	8.9		"	10.0		89.0	82-128		1.93	30	
Trichlorofluoromethane	11		"	10.0		111	67-139		5.36	30	
Vinyl Chloride	11		"	10.0		107	58-145		4.30	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.07*		*"*	*10.0*		*90.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.88*		*"*	*10.0*		*98.8*	*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
Batch BD21301 - EPA 5030B											
Blank (BD21301-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								

Prepared & Analyzed: 04/21/2022

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
Batch BD21301 - EPA 5030B											
Blank (BD21301-BLK1)								Prepared & Analyzed: 04/21/2022			
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.98*		*"*	*10.0*		*99.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				
LCS (BD21301-BS1)								Prepared & Analyzed: 04/21/2022			
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		94.8	82-126				
1,1,1-Trichloroethane	9.2		"	10.0		91.5	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.0		"	10.0		90.2	54-165				
1,1,2-Trichloroethane	9.8		"	10.0		98.4	82-123				
1,1-Dichloroethane	8.8		"	10.0		88.0	82-129				
1,1-Dichloroethylene	9.1		"	10.0		91.3	68-138				
1,2,3-Trichlorobenzene	10		"	10.0		102	40-130				
1,2,3-Trichloropropane	11		"	10.0		114	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		101	65-137				
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	11		"	10.0		114	45-147				
1,2-Dibromoethane	9.8		"	10.0		97.8	83-124				
1,2-Dichlorobenzene	9.9		"	10.0		98.8	79-123				
1,2-Dichloroethane	9.4		"	10.0		93.5	73-132				
1,2-Dichloropropane	9.4		"	10.0		94.0	78-126				
1,3,5-Trimethylbenzene	9.6		"	10.0		95.9	80-131				
1,3-Dichlorobenzene	9.6		"	10.0		96.5	86-130				
1,4-Dichlorobenzene	9.8		"	10.0		97.6	85-130				
1,4-Dioxane	140		"	210		67.7	10-349				
2-Butanone	12		"	10.0		116	49-152				
2-Hexanone	10		"	10.0		102	51-146				
4-Methyl-2-pentanone	9.4		"	10.0		93.7	57-145				
Acetone	6.8		"	10.0		68.5	14-150				
Acrolein	6.3		"	100		6.26	10-153	Low Bias			
Acrylonitrile	11		"	10.0		111	51-150				
Benzene	9.0		"	10.0		90.4	85-126				

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
Batch BD21301 - EPA 5030B											
LCS (BD21301-BS1)								Prepared & Analyzed: 04/21/2022			
Bromochloromethane	9.2		ug/L	10.0		91.7	77-128				
Bromodichloromethane	9.6		"	10.0		96.1	79-128				
Bromoform	10		"	10.0		103	78-133				
Bromomethane	7.8		"	10.0		77.8	43-168				
Carbon disulfide	9.3		"	10.0		92.7	68-146				
Carbon tetrachloride	9.2		"	10.0		92.1	77-141				
Chlorobenzene	9.9		"	10.0		98.6	88-120				
Chloroethane	9.6		"	10.0		96.2	65-136				
Chloroform	9.1		"	10.0		91.3	82-128				
Chloromethane	8.9		"	10.0		89.0	43-155				
cis-1,2-Dichloroethylene	9.0		"	10.0		90.1	83-129				
cis-1,3-Dichloropropylene	9.5		"	10.0		95.3	80-131				
Cyclohexane	9.7		"	10.0		97.1	63-149				
Dibromochloromethane	9.6		"	10.0		95.6	80-130				
Dibromomethane	9.6		"	10.0		96.3	72-134				
Dichlorodifluoromethane	7.5		"	10.0		74.6	44-144				
Ethyl Benzene	9.4		"	10.0		94.5	80-131				
Hexachlorobutadiene	11		"	10.0		107	67-146				
Isopropylbenzene	9.8		"	10.0		97.5	76-140				
Methyl acetate	10		"	10.0		104	51-139				
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		97.3	76-135				
Methylcyclohexane	9.2		"	10.0		92.4	72-143				
Methylene chloride	9.9		"	10.0		98.8	55-137				
n-Butylbenzene	10		"	10.0		99.6	79-132				
n-Propylbenzene	9.7		"	10.0		97.0	78-133				
o-Xylene	9.6		"	10.0		96.2	78-130				
p- & m- Xylenes	19		"	20.0		95.0	77-133				
p-Isopropyltoluene	9.8		"	10.0		98.2	81-136				
sec-Butylbenzene	9.7		"	10.0		96.8	79-137				
Styrene	9.3		"	10.0		93.3	67-132				
tert-Butyl alcohol (TBA)	57		"	50.0		114	25-162				
tert-Butylbenzene	8.8		"	10.0		87.6	77-138				
Tetrachloroethylene	7.6		"	10.0		76.4	82-131	Low Bias			
Toluene	9.3		"	10.0		93.3	80-127				
trans-1,2-Dichloroethylene	9.1		"	10.0		91.0	80-132				
trans-1,3-Dichloropropylene	9.8		"	10.0		98.0	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		110	63-141				
Trichloroethylene	9.4		"	10.0		93.9	82-128				
Trichlorofluoromethane	9.3		"	10.0		92.7	67-139				
Vinyl Chloride	8.9		"	10.0		88.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.84*		*"*	*10.0*		*98.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD21301 - EPA 5030B

LCS Dup (BD21301-BSD1) Prepared & Analyzed: 04/21/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		96.3	82-126		1.57	30	
1,1,1-Trichloroethane	9.5		"	10.0		94.6	78-136		3.33	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129		3.34	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.7		"	10.0		96.8	54-165		7.06	30	
1,1,2-Trichloroethane	10		"	10.0		102	82-123		3.20	30	
1,1-Dichloroethane	9.1		"	10.0		90.8	82-129		3.13	30	
1,1-Dichloroethylene	9.1		"	10.0		91.1	68-138		0.219	30	
1,2,3-Trichlorobenzene	11		"	10.0		109	40-130		6.36	30	
1,2,3-Trichloropropane	11		"	10.0		114	77-128		0.262	30	
1,2,4-Trichlorobenzene	11		"	10.0		105	65-137		3.88	30	
1,2,4-Trimethylbenzene	9.8		"	10.0		98.5	82-132		2.31	30	
1,2-Dibromo-3-chloropropane	17		"	10.0		173	45-147	High Bias	40.9	30	Non-dir.
1,2-Dibromoethane	10		"	10.0		104	83-124		5.76	30	
1,2-Dichlorobenzene	10		"	10.0		99.9	79-123		1.11	30	
1,2-Dichloroethane	9.9		"	10.0		99.1	73-132		5.82	30	
1,2-Dichloropropane	9.6		"	10.0		96.0	78-126		2.11	30	
1,3,5-Trimethylbenzene	9.4		"	10.0		94.5	80-131		1.47	30	
1,3-Dichlorobenzene	9.6		"	10.0		95.7	86-130		0.832	30	
1,4-Dichlorobenzene	9.8		"	10.0		98.3	85-130		0.715	30	
1,4-Dioxane	160		"	210		75.3	10-349		10.6	30	
2-Butanone	13		"	10.0		131	49-152		11.8	30	
2-Hexanone	11		"	10.0		114	51-146		11.1	30	
4-Methyl-2-pentanone	10		"	10.0		105	57-145		11.2	30	
Acetone	8.3		"	10.0		82.9	14-150		19.0	30	
Acrolein	7.0		"	100		6.96	10-153	Low Bias	10.6	30	
Acrylonitrile	12		"	10.0		120	51-150		7.72	30	
Benzene	9.2		"	10.0		92.0	85-126		1.75	30	
Bromochloromethane	9.5		"	10.0		94.9	77-128		3.43	30	
Bromodichloromethane	9.6		"	10.0		96.4	79-128		0.312	30	
Bromoform	11		"	10.0		109	78-133		5.57	30	
Bromomethane	7.0		"	10.0		69.7	43-168		11.0	30	
Carbon disulfide	9.3		"	10.0		93.1	68-146		0.431	30	
Carbon tetrachloride	9.3		"	10.0		92.8	77-141		0.757	30	
Chlorobenzene	10		"	10.0		101	88-120		2.31	30	
Chloroethane	9.5		"	10.0		94.9	65-136		1.36	30	
Chloroform	9.4		"	10.0		94.3	82-128		3.23	30	
Chloromethane	8.9		"	10.0		88.8	43-155		0.225	30	
cis-1,2-Dichloroethylene	9.1		"	10.0		90.7	83-129		0.664	30	
cis-1,3-Dichloropropylene	9.7		"	10.0		96.9	80-131		1.66	30	
Cyclohexane	10		"	10.0		102	63-149		4.53	30	
Dibromochloromethane	10		"	10.0		101	80-130		5.39	30	
Dibromomethane	9.9		"	10.0		98.9	72-134		2.66	30	
Dichlorodifluoromethane	7.5		"	10.0		74.7	44-144		0.134	30	
Ethyl Benzene	9.5		"	10.0		95.1	80-131		0.633	30	
Hexachlorobutadiene	11		"	10.0		109	67-146		2.41	30	
Isopropylbenzene	9.5		"	10.0		95.4	76-140		2.18	30	
Methyl acetate	12		"	10.0		116	51-139		10.8	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		8.28	30	
Methylcyclohexane	9.6		"	10.0		96.5	72-143		4.34	30	
Methylene chloride	11		"	10.0		105	55-137		6.18	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
Batch BD21301 - EPA 5030B											
LCS Dup (BD21301-BSD1)								Prepared & Analyzed: 04/21/2022			
n-Butylbenzene	9.7		ug/L	10.0		97.0	79-132		2.64	30	
n-Propylbenzene	9.3		"	10.0		93.4	78-133		3.78	30	
o-Xylene	9.6		"	10.0		96.4	78-130		0.208	30	
p- & m- Xylenes	19		"	20.0		94.6	77-133		0.369	30	
p-Isopropyltoluene	9.5		"	10.0		95.2	81-136		3.10	30	
sec-Butylbenzene	9.5		"	10.0		95.1	79-137		1.77	30	
Styrene	9.4		"	10.0		94.3	67-132		1.07	30	
tert-Butyl alcohol (TBA)	70		"	50.0		141	25-162		21.3	30	
tert-Butylbenzene	8.6		"	10.0		86.0	77-138		1.84	30	
Tetrachloroethylene	7.5		"	10.0		75.0	82-131	Low Bias	1.85	30	
Toluene	9.3		"	10.0		93.1	80-127		0.215	30	
trans-1,2-Dichloroethylene	9.0		"	10.0		89.6	80-132		1.55	30	
trans-1,3-Dichloropropylene	10		"	10.0		103	78-131		4.59	30	
trans-1,4-dichloro-2-butene	9.4		"	10.0		94.3	63-141		15.8	30	
Trichloroethylene	9.4		"	10.0		94.2	82-128		0.319	30	
Trichlorofluoromethane	9.4		"	10.0		93.7	67-139		1.07	30	
Vinyl Chloride	8.9		"	10.0		89.4	58-145		0.899	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.88*		*"*	*10.0*		*98.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99.1*	*79-122*				
Batch BD21326 - EPA 5030B											
Blank (BD21326-BLK1)								Prepared: 04/21/2022 Analyzed: 04/22/2022			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21326 - EPA 5030B											
Blank (BD21326-BLK1)											
Prepared: 04/21/2022 Analyzed: 04/22/2022											
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.73*		*"*	*10.0*		*97.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*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
Batch BD21326 - EPA 5030B											
LCS (BD21326-BS1)								Prepared & Analyzed: 04/21/2022			
1,1,1,2-Tetrachloroethane	9.1		ug/L	10.0		91.0	82-126				
1,1,1-Trichloroethane	9.3		"	10.0		92.6	78-136				
1,1,2,2-Tetrachloroethane	9.8		"	10.0		98.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		101	54-165				
1,1,2-Trichloroethane	9.6		"	10.0		95.8	82-123				
1,1-Dichloroethane	8.9		"	10.0		89.2	82-129				
1,1-Dichloroethylene	9.2		"	10.0		92.0	68-138				
1,2,3-Trichlorobenzene	9.4		"	10.0		94.2	40-130				
1,2,3-Trichloropropane	11		"	10.0		110	77-128				
1,2,4-Trichlorobenzene	9.4		"	10.0		94.3	65-137				
1,2,4-Trimethylbenzene	9.8		"	10.0		98.3	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		104	45-147				
1,2-Dibromoethane	9.6		"	10.0		95.7	83-124				
1,2-Dichlorobenzene	9.4		"	10.0		94.5	79-123				
1,2-Dichloroethane	9.2		"	10.0		92.5	73-132				
1,2-Dichloropropane	9.3		"	10.0		93.0	78-126				
1,3,5-Trimethylbenzene	9.4		"	10.0		93.7	80-131				
1,3-Dichlorobenzene	9.3		"	10.0		93.3	86-130				
1,4-Dichlorobenzene	9.4		"	10.0		94.5	85-130				
1,4-Dioxane	110		"	210		51.3	10-349				
2-Butanone	11		"	10.0		105	49-152				
2-Hexanone	8.7		"	10.0		86.9	51-146				
4-Methyl-2-pentanone	8.0		"	10.0		80.4	57-145				
Acetone	5.9		"	10.0		59.1	14-150				
Acrolein	6.5		"	100		6.51	10-153	Low Bias			
Acrylonitrile	9.2		"	10.0		91.7	51-150				
Benzene	9.2		"	10.0		91.9	85-126				
Bromochloromethane	9.1		"	10.0		91.2	77-128				
Bromodichloromethane	9.1		"	10.0		91.2	79-128				
Bromoform	9.4		"	10.0		93.8	78-133				
Bromomethane	9.2		"	10.0		92.3	43-168				
Carbon disulfide	9.2		"	10.0		91.6	68-146				
Carbon tetrachloride	9.4		"	10.0		94.4	77-141				
Chlorobenzene	9.6		"	10.0		96.5	88-120				
Chloroethane	9.2		"	10.0		92.0	65-136				
Chloroform	9.2		"	10.0		92.2	82-128				
Chloromethane	8.7		"	10.0		87.2	43-155				
cis-1,2-Dichloroethylene	8.9		"	10.0		89.1	83-129				
cis-1,3-Dichloropropylene	9.1		"	10.0		91.2	80-131				
Cyclohexane	10		"	10.0		104	63-149				
Dibromochloromethane	9.1		"	10.0		90.9	80-130				
Dibromomethane	9.5		"	10.0		94.7	72-134				
Dichlorodifluoromethane	8.6		"	10.0		85.8	44-144				
Ethyl Benzene	9.2		"	10.0		92.4	80-131				
Hexachlorobutadiene	9.4		"	10.0		94.0	67-146				
Isopropylbenzene	9.9		"	10.0		98.6	76-140				
Methyl acetate	9.8		"	10.0		98.2	51-139				
Methyl tert-butyl ether (MTBE)	9.0		"	10.0		90.2	76-135				
Methylcyclohexane	9.5		"	10.0		95.4	72-143				
Methylene chloride	9.2		"	10.0		92.1	55-137				

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
Batch BD21326 - EPA 5030B											
LCS (BD21326-BS1)							Prepared & Analyzed: 04/21/2022				
n-Butylbenzene	9.2		ug/L	10.0		92.4	79-132				
n-Propylbenzene	9.5		"	10.0		95.1	78-133				
o-Xylene	9.4		"	10.0		94.5	78-130				
p- & m- Xylenes	19		"	20.0		93.7	77-133				
p-Isopropyltoluene	9.2		"	10.0		92.5	81-136				
sec-Butylbenzene	9.5		"	10.0		94.9	79-137				
Styrene	8.9		"	10.0		89.4	67-132				
tert-Butyl alcohol (TBA)	56		"	50.0		112	25-162				
tert-Butylbenzene	8.6		"	10.0		86.3	77-138				
Tetrachloroethylene	7.5		"	10.0		75.2	82-131	Low Bias			
Toluene	9.3		"	10.0		93.2	80-127				
trans-1,2-Dichloroethylene	9.0		"	10.0		90.5	80-132				
trans-1,3-Dichloropropylene	9.3		"	10.0		93.2	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		108	63-141				
Trichloroethylene	9.2		"	10.0		92.4	82-128				
Trichlorofluoromethane	9.6		"	10.0		95.6	67-139				
Vinyl Chloride	8.7		"	10.0		87.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.94*		*"*	*10.0*		*99.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.94*		*"*	*10.0*		*99.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
LCS Dup (BD21326-BSD1)							Prepared & Analyzed: 04/21/2022				
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		95.4	82-126		4.72	30	
1,1,1-Trichloroethane	9.8		"	10.0		97.9	78-136		5.56	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129		2.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		104	54-165		2.74	30	
1,1,2-Trichloroethane	9.7		"	10.0		97.0	82-123		1.24	30	
1,1-Dichloroethane	9.1		"	10.0		91.3	82-129		2.33	30	
1,1-Dichloroethylene	9.7		"	10.0		96.8	68-138		5.08	30	
1,2,3-Trichlorobenzene	9.2		"	10.0		91.6	40-130		2.80	30	
1,2,3-Trichloropropane	11		"	10.0		112	77-128		2.61	30	
1,2,4-Trichlorobenzene	9.2		"	10.0		92.4	65-137		2.04	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		2.81	30	
1,2-Dibromo-3-chloropropane	12		"	10.0		115	45-147		10.1	30	
1,2-Dibromoethane	9.7		"	10.0		96.8	83-124		1.14	30	
1,2-Dichlorobenzene	9.6		"	10.0		96.4	79-123		1.99	30	
1,2-Dichloroethane	9.5		"	10.0		95.4	73-132		3.09	30	
1,2-Dichloropropane	9.8		"	10.0		97.9	78-126		5.13	30	
1,3,5-Trimethylbenzene	9.6		"	10.0		96.0	80-131		2.42	30	
1,3-Dichlorobenzene	9.5		"	10.0		94.9	86-130		1.70	30	
1,4-Dichlorobenzene	9.7		"	10.0		97.0	85-130		2.61	30	
1,4-Dioxane	4.6		"	210		2.17	10-349	Low Bias	184	30	Non-dir.
2-Butanone	11		"	10.0		105	49-152		0.190	30	
2-Hexanone	8.7		"	10.0		87.1	51-146		0.230	30	
4-Methyl-2-pentanone	8.1		"	10.0		81.4	57-145		1.24	30	
Acetone	7.4		"	10.0		74.2	14-150		22.7	30	
Acrolein	6.3		"	100		6.30	10-153	Low Bias	3.28	30	
Acrylonitrile	9.2		"	10.0		92.3	51-150		0.652	30	
Benzene	9.4		"	10.0		93.6	85-126		1.83	30	
Bromochloromethane	9.5		"	10.0		94.6	77-128		3.66	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
Batch BD21326 - EPA 5030B											
LCS Dup (BD21326-BSD1)								Prepared & Analyzed: 04/21/2022			
Bromodichloromethane	9.5		ug/L	10.0		95.2	79-128		4.29	30	
Bromoform	9.6		"	10.0		96.4	78-133		2.73	30	
Bromomethane	12		"	10.0		118	43-168		24.4	30	
Carbon disulfide	9.6		"	10.0		95.5	68-146		4.17	30	
Carbon tetrachloride	10		"	10.0		99.7	77-141		5.46	30	
Chlorobenzene	10		"	10.0		101	88-120		4.85	30	
Chloroethane	9.5		"	10.0		94.8	65-136		3.00	30	
Chloroform	9.4		"	10.0		94.4	82-128		2.36	30	
Chloromethane	9.0		"	10.0		90.3	43-155		3.49	30	
cis-1,2-Dichloroethylene	9.1		"	10.0		91.0	83-129		2.11	30	
cis-1,3-Dichloropropylene	9.6		"	10.0		95.7	80-131		4.82	30	
Cyclohexane	11		"	10.0		106	63-149		1.24	30	
Dibromochloromethane	9.5		"	10.0		94.8	80-130		4.20	30	
Dibromomethane	9.6		"	10.0		96.2	72-134		1.57	30	
Dichlorodifluoromethane	8.9		"	10.0		89.0	44-144		3.66	30	
Ethyl Benzene	9.7		"	10.0		97.0	80-131		4.86	30	
Hexachlorobutadiene	9.4		"	10.0		94.3	67-146		0.319	30	
Isopropylbenzene	10		"	10.0		100	76-140		1.81	30	
Methyl acetate	9.8		"	10.0		97.6	51-139		0.613	30	
Methyl tert-butyl ether (MTBE)	9.2		"	10.0		91.7	76-135		1.65	30	
Methylcyclohexane	10		"	10.0		99.8	72-143		4.51	30	
Methylene chloride	9.6		"	10.0		96.1	55-137		4.25	30	
n-Butylbenzene	9.4		"	10.0		94.3	79-132		2.04	30	
n-Propylbenzene	9.9		"	10.0		98.6	78-133		3.61	30	
o-Xylene	9.9		"	10.0		98.6	78-130		4.25	30	
p- & m- Xylenes	19		"	20.0		97.2	77-133		3.67	30	
p-Isopropyltoluene	9.6		"	10.0		95.9	81-136		3.61	30	
sec-Butylbenzene	9.8		"	10.0		98.3	79-137		3.52	30	
Styrene	9.3		"	10.0		93.3	67-132		4.27	30	
tert-Butyl alcohol (TBA)	49		"	50.0		98.0	25-162		13.6	30	
tert-Butylbenzene	9.0		"	10.0		90.0	77-138		4.20	30	
Tetrachloroethylene	7.7		"	10.0		77.4	82-131	Low Bias	2.88	30	
Toluene	9.6		"	10.0		96.3	80-127		3.27	30	
trans-1,2-Dichloroethylene	9.2		"	10.0		91.7	80-132		1.32	30	
trans-1,3-Dichloropropylene	9.7		"	10.0		97.1	78-131		4.10	30	
trans-1,4-dichloro-2-butene	9.2		"	10.0		91.8	63-141		15.8	30	
Trichloroethylene	10		"	10.0		99.6	82-128		7.50	30	
Trichlorofluoromethane	9.9		"	10.0		98.8	67-139		3.29	30	
Vinyl Chloride	9.4		"	10.0		93.6	58-145		7.08	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.99*		*"*	*10.0*		*99.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				

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

Batch BD21155 - SPE Ext-PFAS-EPA 537.1M

Blank (BD21155-BLK1) Prepared: 04/19/2022 Analyzed: 04/21/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
N-EtFOSAA	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Surrogate: M3PFBS	*63.4*		*"*	*74.3*		*85.3*	*25-150*				
Surrogate: M5PFHxA	*67.9*		*"*	*80.0*		*84.9*	*25-150*				
Surrogate: M4PFHpA	*87.3*		*"*	*80.0*		*109*	*25-150*				
Surrogate: M3PFHxS	*65.4*		*"*	*75.7*		*86.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*62.0*		*"*	*80.0*		*77.6*	*25-150*				
Surrogate: M6PFDA	*64.6*		*"*	*80.0*		*80.8*	*25-150*				
Surrogate: M7PFUdA	*67.4*		*"*	*80.0*		*84.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*58.7*		*"*	*80.0*		*73.4*	*25-150*				
Surrogate: M2PFTeDA	*56.5*		*"*	*80.0*		*70.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.3*		*"*	*80.0*		*92.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*65.7*		*"*	*76.6*		*85.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*66.2*		*"*	*80.0*		*82.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*31.5*		*"*	*80.0*		*39.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*60.8*		*"*	*80.0*		*76.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*79.9*		*"*	*80.0*		*99.9*	*25-150*				
Surrogate: M2-6:2 FTS	*64.3*		*"*	*75.9*		*84.7*	*25-200*				
Surrogate: M2-8:2 FTS	*109*		*"*	*76.6*		*143*	*25-200*				
Surrogate: M9PFNA	*66.7*		*"*	*80.0*		*83.3*	*25-150*				

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

Batch BD21155 - SPE Ext-PFAS-EPA 537.1M

LCS (BD21155-BS1) Prepared: 04/19/2022 Analyzed: 04/21/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	74.4	2.00	ng/L	76.8		96.8	50-175				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	68.0	5.00	"	76.0		89.4	50-175				
N-EtFOSAA	82.1	2.00	"	80.0		103	50-130				
N-MeFOSAA	89.8	2.00	"	80.0		112	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	71.0	2.00	"	77.2		91.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	72.9	2.00	"	76.4		95.4	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	91.7	2.00	"	80.0		115	50-130				
Perfluorobutanesulfonic acid (PFBS)	73.7	2.00	"	70.8		104	50-130				
Perfluorodecanoic acid (PFDA)	80.5	2.00	"	80.0		101	50-130				
Perfluorododecanoic acid (PFDoA)	81.0	2.00	"	80.0		101	50-130				
Perfluoroheptanoic acid (PFHpA)	66.2	2.00	"	80.0		82.7	50-130				
Perfluorohexanesulfonic acid (PFHxS)	80.1	2.00	"	72.8		110	50-130				
Perfluorohexanoic acid (PFHxA)	82.0	2.00	"	80.0		102	50-130				
Perfluoro-n-butanoic acid (PFBA)	83.9	2.00	"	80.0		105	50-130				
Perfluorononanoic acid (PFNA)	79.3	2.00	"	80.0		99.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	53.4	2.00	"	74.0		72.2	50-130				
Perfluorooctanoic acid (PFOA)	88.0	2.00	"	80.0		110	50-130				
Perfluoropentanoic acid (PFPeA)	90.5	2.00	"	80.0		113	50-130				
Perfluorotetradecanoic acid (PFTA)	80.5	2.00	"	80.0		101	50-130				
Perfluorotridecanoic acid (PFTrDA)	65.1	2.00	"	80.0		81.4	50-130				
Perfluoroundecanoic acid (PFUnA)	84.2	2.00	"	80.0		105	50-130				
Surrogate: M3PFBS	*67.4*		"	*74.3*		*90.7*	*25-150*				
Surrogate: M5PFHxA	*69.4*		"	*80.0*		*86.8*	*25-150*				
Surrogate: M4PFHpA	*90.8*		"	*80.0*		*114*	*25-150*				
Surrogate: M3PFHxS	*66.1*		"	*75.7*		*87.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*71.5*		"	*80.0*		*89.3*	*25-150*				
Surrogate: M6PFDA	*73.3*		"	*80.0*		*91.6*	*25-150*				
Surrogate: M7PFUdA	*72.4*		"	*80.0*		*90.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*65.7*		"	*80.0*		*82.1*	*25-150*				
Surrogate: M2PFTeDA	*42.2*		"	*80.0*		*52.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*77.0*		"	*80.0*		*96.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*80.4*		"	*76.6*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*67.7*		"	*80.0*		*84.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*27.8*		"	*80.0*		*34.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*69.8*		"	*80.0*		*87.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*75.3*		"	*80.0*		*94.1*	*25-150*				
Surrogate: M2-6:2 FTS	*75.7*		"	*75.9*		*99.7*	*25-200*				
Surrogate: M2-8:2 FTS	*89.4*		"	*76.6*		*117*	*25-200*				
Surrogate: M9PFNA	*73.7*		"	*80.0*		*92.1*	*25-150*				

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
Batch BD21155 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BD21155-BSD1)							Prepared: 04/19/2022 Analyzed: 04/21/2022				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	73.5	2.00	ng/L	76.8		95.7	50-175		1.12	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	77.0	5.00	"	76.0		101	50-175		12.5	30	
N-EtFOSAA	76.8	2.00	"	80.0		96.0	50-130		6.59	30	
N-MeFOSAA	80.7	2.00	"	80.0		101	50-130		10.6	30	
Perfluoro-1-decanesulfonic acid (PFDS)	74.4	2.00	"	77.2		96.4	50-130		4.77	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	82.8	2.00	"	76.4		108	50-130		12.7	30	
Perfluoro-1-octanesulfonamide (FOSA)	90.0	2.00	"	80.0		112	50-130		1.91	30	
Perfluorobutanesulfonic acid (PFBS)	71.4	2.00	"	70.8		101	50-130		3.16	30	
Perfluorodecanoic acid (PFDA)	77.7	2.00	"	80.0		97.2	50-130		3.50	30	
Perfluorododecanoic acid (PFDoA)	76.6	2.00	"	80.0		95.8	50-130		5.53	30	
Perfluoroheptanoic acid (PFHpA)	60.9	2.00	"	80.0		76.2	50-130		8.20	30	
Perfluorohexanesulfonic acid (PFHxS)	74.6	2.00	"	72.8		102	50-130		7.10	30	
Perfluorohexanoic acid (PFHxA)	80.2	2.00	"	80.0		100	50-130		2.16	30	
Perfluoro-n-butanoic acid (PFBA)	81.5	2.00	"	80.0		102	50-130		2.97	30	
Perfluorononanoic acid (PFNA)	79.7	2.00	"	80.0		99.6	50-130		0.381	30	
Perfluorooctanesulfonic acid (PFOS)	57.4	2.00	"	74.0		77.5	50-130		7.14	30	
Perfluorooctanoic acid (PFOA)	84.3	2.00	"	80.0		105	50-130		4.25	30	
Perfluoropentanoic acid (PFPeA)	84.8	2.00	"	80.0		106	50-130		6.49	30	
Perfluorotetradecanoic acid (PFTA)	76.3	2.00	"	80.0		95.4	50-130		5.34	30	
Perfluorotridecanoic acid (PFTrDA)	63.7	2.00	"	80.0		79.6	50-130		2.19	30	
Perfluoroundecanoic acid (PFUnA)	79.5	2.00	"	80.0		99.4	50-130		5.68	30	
Surrogate: M3PFBS	*65.8*		*"*	*74.3*		*88.5*	*25-150*				
Surrogate: M5PFHxA	*71.8*		*"*	*80.0*		*89.8*	*25-150*				
Surrogate: M4PFHpA	*97.8*		*"*	*80.0*		*122*	*25-150*				
Surrogate: M3PFHxS	*65.8*		*"*	*75.7*		*86.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*72.7*		*"*	*80.0*		*90.9*	*25-150*				
Surrogate: M6PFDA	*71.1*		*"*	*80.0*		*88.9*	*25-150*				
Surrogate: M7PFUdA	*69.7*		*"*	*80.0*		*87.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*64.2*		*"*	*80.0*		*80.2*	*25-150*				
Surrogate: M2PFTeDA	*50.9*		*"*	*80.0*		*63.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.7*		*"*	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*69.1*		*"*	*76.6*		*90.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.8*		*"*	*80.0*		*91.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*6.27*		*"*	*80.0*		*7.84*	*10-150*				
Surrogate: d3-N-MeFOSAA	*74.0*		*"*	*80.0*		*92.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*76.9*		*"*	*80.0*		*96.1*	*25-150*				
Surrogate: M2-6:2 FTS	*69.7*		*"*	*75.9*		*91.9*	*25-200*				
Surrogate: M2-8:2 FTS	*94.6*		*"*	*76.6*		*123*	*25-200*				
Surrogate: M9PFNA	*74.1*		*"*	*80.0*		*92.7*	*25-150*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22D0792-01	MW-43	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0792-04	FMW-14	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0792-06	FMW-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0792-11	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0792-12	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
PFSUBS	The aqueous smaple contained appreciable levels of sediment requiring sub-sampling by decantation.
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.

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

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

YORK Project No. 220792

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
NSPUSA			314022218.000	RUSH - Next Day
500 Summit Lake Dr Valhalla NY 10595	Same	Same	YOUR Project Name: Westchester County Airport (WCA	RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) X
914 694 5711				
John Benvegna				
John.Benvegna@wsp.com			YOUR PO#:	

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

Mike Reiff

Samples Collected by: (print AND sign your name)

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

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested: EPA 537	8260 Full List	1,4 Dioxane	Ground Levels	Container Description: 2P
MW-43	GW	4/14/22 1010	X	X			3V
MW-44		0945					
MW-56D		1100					
FMW-14		1135		X			3V
MW-52		1230					
FMW-23		1315		X			3V
MW-61		1340					
MW-53		1445					
FMW-6		1425					

Comments:

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

Special Instruction: Field Filtered; Lab to Filter

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

4/14/22 1530	4/15/22 8:30	4/15/22 14:14
		4/15/22 19:14 3.0

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

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

YORK Project No. 220792

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
WSP USA			31402218.000	RUSH - Next Day
500 Summit Lake Dr	Same	Same		RUSH - Two Day
Valhalla NY 10595			YOUR Project Name	RUSH - Three Day
914 694 5711			Westchester County Airport (WCA	RUSH - Four Day
John Benvegna				Standard (5-7 Day) X
John.Benvegna@wsp.com			YOUR PO#:	

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

Mike Reiff

Samples Collected by: (print AND sign your name)

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

Samples From
New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested: EPA 537	8260 Full List	1,4 Dioxane	Gases	Container Description: 2P 3V
FMW-7	GW	4/14/22 1500	X				
Field Blank	DI	1515	X	X			X
Trip Blank				X			X

Comments:

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

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

Special Instruction
Field Filtered
Lab to Filter

4/14/22 1530	4/11/22 8:30	4/15/22 Hi:14
		4/15/22 14:14 3.0

Technical Report

prepared for:

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

Report Date: 04/29/2022
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 22D0852

Report Date: 04/29/2022
Client Project ID: 31402218.000 Westchester County Airport (WCA)
York Project (SDG) No.: 22D0852

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 18, 2022 and listed below. The project was identified as your project: **31402218.000 Westchester County Airport (WCA)**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
22D0852-01	MW-54S	Water	04/15/2022	04/18/2022
22D0852-02	MW-54D	Water	04/15/2022	04/18/2022
22D0852-03	MW-55S	Water	04/15/2022	04/18/2022
22D0852-04	MW-55D	Water	04/15/2022	04/18/2022
22D0852-05	MW-56S	Water	04/15/2022	04/18/2022
22D0852-06	MW-63	Water	04/15/2022	04/18/2022
22D0852-07	DPWMW-3	Water	04/15/2022	04/18/2022
22D0852-08	MW-60	Water	04/15/2022	04/18/2022
22D0852-09	Field Blank	Water	04/15/2022	04/18/2022
22D0852-10	Trip Blank	Water	04/15/2022	04/18/2022

General Notes for York Project (SDG) No.: 22D0852

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; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 04/29/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **MW-54S** **York Sample ID:** **22D0852-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 9:45 am	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**4.43**		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:32	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.6 %*	*25-150*

Sample Information

Client Sample ID: **MW-54S** **York Sample ID:** **22D0852-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 9:45 am	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*71.5 %*			*25-150*					
	Surrogate: M4PFHpA	*81.9 %*			*25-150*					
	Surrogate: M3PFHxS	*92.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.2 %*			*25-150*					
	Surrogate: M6PFDA	*83.6 %*			*25-150*					
	Surrogate: M7PFUdA	*78.6 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*76.3 %*			*25-150*					
	Surrogate: M2PFTeDA	*75.1 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*20.9 %*	PFSu-L		*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*98.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.9 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*48.7 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*70.2 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*95.3 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*87.7 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*122 %*			*25-200*					
	Surrogate: M9PFNA	*77.7 %*			*25-150*					

Sample Information

Client Sample ID: **MW-54D** **York Sample ID:** **22D0852-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 10:40 am	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**778**		ng/L	12.5	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL

Sample Information

Client Sample ID: **MW-54D** **York Sample ID:** **22D0852-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 10:40 am	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**10.4**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**54.0**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**193**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**498**		ng/L	25.0	5	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:58	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**473**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**209**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**39.3**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**248**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**97.1**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**1500**		ng/L	25.0	5	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:58	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 15:45	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.0 %*	*25-150*
Surrogate: M5PFHxA	*76.5 %*	*25-150*
Surrogate: M4PFHpA	*87.0 %*	*25-150*
Surrogate: M3PFHxS	*91.7 %*	*25-150*
Surrogate: M3PFHxS	*79.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.8 %*	*25-150*

Sample Information

Client Sample ID: MW-54D **York Sample ID:** 22D0852-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 10:40 am	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M6PFDA	*91.5 %*			*25-150*					
	Surrogate: M7PFUdA	*81.0 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*74.1 %*			*25-150*					
	Surrogate: M2PFTeDA	*63.9 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*82.1 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*93.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.9 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*44.9 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*53.8 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*75.3 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*85.0 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*105 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*136 %*			*25-200*					
	Surrogate: M9PFNA	*85.9 %*			*25-150*					

Sample Information

Client Sample ID: MW-55S **York Sample ID:** 22D0852-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 11:45 am	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	12.5	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL

Sample Information

Client Sample ID: MW-55S **York Sample ID:** 22D0852-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 11:45 am	04/18/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**35.3**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**63.4**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**14.2**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**1960**		ng/L	50.0	10	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:36	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**105**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**15.3**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**23.9**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**1510**		ng/L	50.0	10	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:36	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**51.7**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**45.2**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:23	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.1 %*	*25-150*
Surrogate: M5PFHxA	*70.7 %*	*25-150*
Surrogate: M4PFHpA	*82.5 %*	*25-150*
Surrogate: M3PFHxS	*82.4 %*	*25-150*
Surrogate: M3PFHxS	*72.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.4 %*	*25-150*
Surrogate: M6PFDA	*78.7 %*	*25-150*
Surrogate: M7PFUdA	*78.7 %*	*25-150*

Sample Information

Client Sample ID: MW-55S **York Sample ID:** 22D0852-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 11:45 am	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*69.7 %*		*25-150*						
	Surrogate: M2PFTeDA	*68.5 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*72.0 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*77.3 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*82.4 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*68.0 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*40.6 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*60.3 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*73.8 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*96.1 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*136 %*		*25-200*						
	Surrogate: M9PFNA	*77.3 %*		*25-150*						

Sample Information

Client Sample ID: MW-55D **York Sample ID:** 22D0852-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 12:50 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
375-92-8	*** Perfluoro-1-heptanesulfonic acid (PFHpS)**	**11.5**		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL

Sample Information

Client Sample ID: MW-55D

York Sample ID: 22D0852-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 12:50 pm	04/18/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**44.7**		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**6.30**		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**1010**		ng/L	9.26	5	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:02	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**46.0**		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**7.26**		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**21.9**		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**495**		ng/L	9.26	5	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:02	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**20.2**		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**17.6**		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 16:49	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.8 %*	*25-150*
Surrogate: M5PFHxA	*68.1 %*	*25-150*
Surrogate: M4PFHpA	*79.8 %*	*25-150*
Surrogate: M3PFHxS	*88.1 %*	*25-150*
Surrogate: M3PFHxS	*67.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*69.4 %*	*25-150*
Surrogate: M6PFDA	*76.6 %*	*25-150*
Surrogate: M7PFUdA	*74.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*72.9 %*	*25-150*
Surrogate: M2PFTeDA	*76.2 %*	*10-150*

Sample Information

Client Sample ID: MW-55D **York Sample ID:** 22D0852-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 12:50 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*63.9 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*83.1 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*84.0 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*66.0 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*29.9 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*62.4 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*71.5 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*93.0 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*120 %*		*25-200*						
	Surrogate: M9PFNA	*60.6 %*		*25-150*						

Sample Information

Client Sample ID: MW-56S **York Sample ID:** 22D0852-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 1:35 pm	04/18/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-56S

York Sample ID: 22D0852-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 1:35 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: MW-56S

York Sample ID: 22D0852-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 1:35 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:18 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM

Sample Information

Client Sample ID: MW-56S **York Sample ID:** 22D0852-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 1:35 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	**p-Isopropyltoluene**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	04/21/2022 09:00	04/21/2022 14:18	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*100 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	5.00	1	EPA 537m	04/25/2022 02:51	04/28/2022 17:28	WL
							Certifications:			
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	12.5	1	EPA 537m	04/25/2022 02:51	04/28/2022 17:28	WL
							Certifications:			
2991-50-6	* N-EtFOSAA	ND		ng/L	5.00	1	EPA 537m	04/25/2022 02:51	04/28/2022 17:28	WL
							Certifications:			

Sample Information

Client Sample ID: **MW-56S** **York Sample ID:** **22D0852-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 1:35 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**8.83**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**6.96**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**56.2**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**13.0**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**14.2**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**69.1**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**99.8**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**66.3**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**18.9**		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	5.00	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:28	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.8 %*	*25-150*
Surrogate: M5PFHxA	*70.8 %*	*25-150*
Surrogate: M4PFHpA	*84.3 %*	*25-150*
Surrogate: M3PFHxS	*88.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*72.7 %*	*25-150*
Surrogate: M6PFDA	*85.6 %*	*25-150*

Sample Information

Client Sample ID: **MW-56S** **York Sample ID:** **22D0852-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 1:35 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M7PFUdA	*79.1 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*75.5 %*			*25-150*					
	Surrogate: M2PFTeDA	*72.6 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*60.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*82.8 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*67.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*43.1 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*74.2 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*84.8 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*88.5 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*110 %*			*25-200*					
	Surrogate: M9PFNA	*73.7 %*			*25-150*					

Sample Information

Client Sample ID: **MW-63** **York Sample ID:** **22D0852-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 2:35 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** **PFSUBS**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**164**		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**1480**		ng/L	125	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**222**		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL

Sample Information

Client Sample ID: MW-63 **York Sample ID:** 22D0852-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 2:35 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
754-91-6	*** Perfluoro-1-octanesulfonamide (FOSA)**	**79.1**		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**164**		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**423**		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**3720**		ng/L	250	10	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:07	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**825**		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**309**		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
375-95-1	*** Perfluorononanoic acid (PFNA)**	**252**		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**10800**		ng/L	250	10	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:07	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**1730**		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**1200**		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	50.0	2	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 17:54	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*89.8 %*	*25-150*
Surrogate: M5PFHxA	*78.2 %*	*25-150*
Surrogate: M4PFHpA	*85.2 %*	*25-150*
Surrogate: M3PFHxS	*91.4 %*	*25-150*
Surrogate: M3PFHxS	*92.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*77.1 %*	*25-150*
Surrogate: M6PFDA	*87.0 %*	*25-150*
Surrogate: M7PFUdA	*87.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*86.9 %*	*25-150*
Surrogate: M2PFTeDA	*78.7 %*	*10-150*

Sample Information

Client Sample ID: MW-63 **York Sample ID:** 22D0852-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 2:35 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*77.7 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*76.1 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*97.1 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*74.9 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*40.2 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*82.9 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*91.8 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*113 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*123 %*		*25-200*						
	Surrogate: M9PFNA	*82.1 %*		*25-150*						
	Surrogate: M9PFNA	*79.3 %*		*25-150*						

Sample Information

Client Sample ID: DPWMW-3 **York Sample ID:** 22D0852-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:20 pm	04/18/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	04/21/2022 09:00	04/21/2022 14:44	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	04/21/2022 09:00	04/21/2022 14:44	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	04/21/2022 09:00	04/21/2022 14:44	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C	04/21/2022 09:00	04/21/2022 14:44	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	04/21/2022 09:00	04/21/2022 14:44	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	04/21/2022 09:00	04/21/2022 14:44	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C	04/21/2022 09:00	04/21/2022 14:44	JM
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: DPWMW-3 **York Sample ID:** 22D0852-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:20 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications:	04/21/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
78-93-3	2-Butanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
67-64-1	**Acetone**	**3.3**	J	ug/L	2.0	4.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
107-02-8	Acrolein	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM

Sample Information

Client Sample ID: DPWMW-3 **York Sample ID:** 22D0852-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:20 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	**Chloroform**	**1.1**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-09-2	**Methylene chloride**	**2.9**	J	ug/L	2.0	4.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00	04/21/2022 14:44 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	JM

Sample Information

Client Sample ID: DPWMW-3 **York Sample ID:** 22D0852-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:20 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/21/2022 14:44	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications:	04/21/2022 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2022 14:44	JM
79-01-6	Trichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/21/2022 14:44	JM
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications:	04/21/2022 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/21/2022 14:44	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes: PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.08	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL

Sample Information

Client Sample ID: DPWMW-3 **York Sample ID:** 22D0852-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:20 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**2.30**		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**8.07**		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**2.63**		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.03	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:20	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*98.1 %*	*25-150*
Surrogate: M5PFHxA	*91.6 %*	*25-150*
Surrogate: M4PFHpA	*93.1 %*	*25-150*
Surrogate: M3PFHxS	*107 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*89.3 %*	*25-150*

Sample Information

Client Sample ID: DPWMW-3 **York Sample ID:** 22D0852-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:20 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M6PFDA	*96.6 %*			*25-150*					
	Surrogate: M7PFUdA	*101 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*88.7 %*			*25-150*					
	Surrogate: M2PFTeDA	*74.4 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*41.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*108 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*82.2 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*51.6 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*101 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*112 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*202 %*	PFSu-H		*25-200*					
	Surrogate: M2-8:2 FTS	*223 %*	PFSu-H		*25-200*					
	Surrogate: M9PFNA	*91.8 %*			*25-150*					

Glycols, Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 13:12	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 13:12	CM

	Surrogate Recoveries	Result	Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*	*87.8 %*	*30-130*

Sample Information

Client Sample ID: MW-60 **York Sample ID:** 22D0852-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 4:45 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Information

Client Sample ID: **MW-60** **York Sample ID:** **22D0852-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 4:45 pm	04/18/2022

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**82.1**		ng/L	25.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
375-92-8	* **Perfluoro-1-heptanesulfonic acid (PFHpS)**	**12.3**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
375-73-5	* **Perfluorobutanesulfonic acid (PFBS)**	**71.7**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
335-76-2	* **Perfluorodecanoic acid (PFDA)**	**11.8**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
375-85-9	* **Perfluoroheptanoic acid (PFHpA)**	**54.2**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
355-46-4	* **Perfluorohexanesulfonic acid (PFHxS)**	**379**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
307-24-4	* **Perfluorohexanoic acid (PFHxA)**	**118**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
375-22-4	* **Perfluoro-n-butanoic acid (PFBA)**	**40.9**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
375-95-1	* **Perfluorononanoic acid (PFNA)**	**3250**		ng/L	50.0	5	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:59	WL
1763-23-1	* **Perfluorooctanesulfonic acid (PFOS)**	**261**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
335-67-1	* **Perfluorooctanoic acid (PFOA)**	**117**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
2706-90-3	* **Perfluoropentanoic acid (PFPeA)**	**153**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL
2058-94-8	* **Perfluoroundecanoic acid (PFUnA)**	**23.6**		ng/L	10.0	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 18:46	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.2 %*	*25-150*

Sample Information

Client Sample ID: MW-60 **York Sample ID:** 22D0852-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 4:45 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:** PFSUBS

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*73.8 %*			*25-150*					
	Surrogate: M4PFHpA	*89.1 %*			*25-150*					
	Surrogate: M3PFHxS	*87.7 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.1 %*			*25-150*					
	Surrogate: M6PFDA	*91.4 %*			*25-150*					
	Surrogate: M7PFUdA	*85.0 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*74.6 %*			*25-150*					
	Surrogate: M2PFTeDA	*64.0 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*75.1 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*86.3 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*72.0 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*50.8 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*75.9 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*86.3 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*84.1 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*117 %*			*25-200*					
	Surrogate: M9PFNA	*73.3 %*			*25-150*					
	Surrogate: M9PFNA	*67.3 %*			*25-150*					

Sample Information

Client Sample ID: Field Blank **York Sample ID:** 22D0852-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 4:50 pm	04/18/2022

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0852-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 4:50 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0852-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 4:50 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0852-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 4:50 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
75-09-2	**Methylene chloride**	**6.0**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/22/2022 01:54	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/22/2022 01:54	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/22/2022 01:54	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:54	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/22/2022 01:54	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0852-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 4:50 pm	04/18/2022

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	04/25/2022 02:51	04/28/2022 19:25	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.8 %*	*25-150*

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **22D0852-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 4:50 pm	04/18/2022

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate: M5PFHxA	*81.6 %*			*25-150*					
	Surrogate: M4PFHpA	*93.8 %*			*25-150*					
	Surrogate: M3PFHxS	*89.4 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.7 %*			*25-150*					
	Surrogate: M6PFDA	*82.3 %*			*25-150*					
	Surrogate: M7PFUdA	*75.7 %*			*25-150*					
	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*73.0 %*			*25-150*					
	Surrogate: M2PFTeDA	*66.7 %*			*10-150*					
	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*80.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*92.7 %*			*25-150*					
	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*74.5 %*			*25-150*					
	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*27.6 %*			*10-150*					
	Surrogate: d3-N-MeFOSAA	*53.2 %*			*25-150*					
	Surrogate: d5-N-EtFOSAA	*58.5 %*			*25-150*					
	Surrogate: M2-6:2 FTS	*90.6 %*			*25-200*					
	Surrogate: M2-8:2 FTS	*124 %*			*25-200*					
	Surrogate: M9PFNA	*83.3 %*			*25-150*					

Glycols, Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-21-1	* Ethylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 13:28	CM
57-55-6	* Propylene Glycol	ND		mg/L	10.0	1	GC/FID Certifications:	04/19/2022 07:45	04/20/2022 13:28	CM

	Surrogate Recoveries	Result	Acceptance Range
110-63-4	*Surrogate: 1,4-Butanediol*	*118 %*	*30-130*

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0852-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:00 pm	04/18/2022

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0852-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:00 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0852-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:00 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30	04/22/2022 01:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	JM

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0852-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:00 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/22/2022 01:01	JM
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/22/2022 01:01	JM
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/21/2022 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/22/2022 01:01	JM
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/22/2022 01:01	JM
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/21/2022 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/22/2022 01:01	JM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*91.1 %*	*69-130*

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **22D0852-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
22D0852	31402218.000 Westchester County Airport (WCA)	Water	April 15, 2022 3:00 pm	04/18/2022

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*			*79-122*						

Analytical Batch Summary

Batch ID: BD21107 **Preparation Method:** Preparation for GC Analysis **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
22D0852-07	DPWMW-3	04/19/22
22D0852-09	Field Blank	04/19/22
BD21107-BLK1	Blank	04/19/22
BD21107-BS1	LCS	04/19/22
BD21107-DUP1	Duplicate	04/19/22
BD21107-MS1	Matrix Spike	04/19/22

Batch ID: BD21301 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22D0852-05	MW-56S	04/21/22
22D0852-07	DPWMW-3	04/21/22
BD21301-BLK1	Blank	04/21/22
BD21301-BS1	LCS	04/21/22
BD21301-BSD1	LCS Dup	04/21/22

Batch ID: BD21326 **Preparation Method:** EPA 5030B **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
22D0852-09	Field Blank	04/21/22
22D0852-10	Trip Blank	04/21/22
BD21326-BLK1	Blank	04/21/22
BD21326-BS1	LCS	04/21/22
BD21326-BSD1	LCS Dup	04/21/22

Batch ID: BD21542 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WEL

YORK Sample ID	Client Sample ID	Preparation Date
22D0852-01	MW-54S	04/25/22
22D0852-02	MW-54D	04/25/22
22D0852-02RE1	MW-54D	04/25/22
22D0852-03	MW-55S	04/25/22
22D0852-03RE1	MW-55S	04/25/22
22D0852-04	MW-55D	04/25/22
22D0852-04RE1	MW-55D	04/25/22
22D0852-05	MW-56S	04/25/22
22D0852-06	MW-63	04/25/22
22D0852-06RE1	MW-63	04/25/22
22D0852-07	DPWMW-3	04/25/22
22D0852-08	MW-60	04/25/22
22D0852-08RE1	MW-60	04/25/22
22D0852-09	Field Blank	04/25/22
BD21542-BLK1	Blank	04/25/22
BD21542-BS1	LCS	04/25/22

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
Batch BD21301 - EPA 5030B											
Blank (BD21301-BLK1)											Prepared & Analyzed: 04/21/2022
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21301 - EPA 5030B											
Blank (BD21301-BLK1)								Prepared & Analyzed: 04/21/2022			
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.98*		*"*	*10.0*		*99.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				
LCS (BD21301-BS1)								Prepared & Analyzed: 04/21/2022			
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		94.8	82-126				
1,1,1-Trichloroethane	9.2		"	10.0		91.5	78-136				
1,1,2,2-Tetrachloroethane	10		"	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.0		"	10.0		90.2	54-165				
1,1,2-Trichloroethane	9.8		"	10.0		98.4	82-123				
1,1-Dichloroethane	8.8		"	10.0		88.0	82-129				
1,1-Dichloroethylene	9.1		"	10.0		91.3	68-138				
1,2,3-Trichlorobenzene	10		"	10.0		102	40-130				
1,2,3-Trichloropropane	11		"	10.0		114	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		101	65-137				
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	11		"	10.0		114	45-147				
1,2-Dibromoethane	9.8		"	10.0		97.8	83-124				
1,2-Dichlorobenzene	9.9		"	10.0		98.8	79-123				
1,2-Dichloroethane	9.4		"	10.0		93.5	73-132				
1,2-Dichloropropane	9.4		"	10.0		94.0	78-126				
1,3,5-Trimethylbenzene	9.6		"	10.0		95.9	80-131				
1,3-Dichlorobenzene	9.6		"	10.0		96.5	86-130				
1,4-Dichlorobenzene	9.8		"	10.0		97.6	85-130				
1,4-Dioxane	140		"	210		67.7	10-349				
2-Butanone	12		"	10.0		116	49-152				
2-Hexanone	10		"	10.0		102	51-146				
4-Methyl-2-pentanone	9.4		"	10.0		93.7	57-145				
Acetone	6.8		"	10.0		68.5	14-150				
Acrolein	6.3		"	100		6.26	10-153	Low Bias			
Acrylonitrile	11		"	10.0		111	51-150				

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
Batch BD21301 - EPA 5030B											
LCS (BD21301-BS1)							Prepared & Analyzed: 04/21/2022				
Benzene	9.0		ug/L	10.0		90.4	85-126				
Bromochloromethane	9.2		"	10.0		91.7	77-128				
Bromodichloromethane	9.6		"	10.0		96.1	79-128				
Bromoform	10		"	10.0		103	78-133				
Bromomethane	7.8		"	10.0		77.8	43-168				
Carbon disulfide	9.3		"	10.0		92.7	68-146				
Carbon tetrachloride	9.2		"	10.0		92.1	77-141				
Chlorobenzene	9.9		"	10.0		98.6	88-120				
Chloroethane	9.6		"	10.0		96.2	65-136				
Chloroform	9.1		"	10.0		91.3	82-128				
Chloromethane	8.9		"	10.0		89.0	43-155				
cis-1,2-Dichloroethylene	9.0		"	10.0		90.1	83-129				
cis-1,3-Dichloropropylene	9.5		"	10.0		95.3	80-131				
Cyclohexane	9.7		"	10.0		97.1	63-149				
Dibromochloromethane	9.6		"	10.0		95.6	80-130				
Dibromomethane	9.6		"	10.0		96.3	72-134				
Dichlorodifluoromethane	7.5		"	10.0		74.6	44-144				
Ethyl Benzene	9.4		"	10.0		94.5	80-131				
Hexachlorobutadiene	11		"	10.0		107	67-146				
Isopropylbenzene	9.8		"	10.0		97.5	76-140				
Methyl acetate	10		"	10.0		104	51-139				
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		97.3	76-135				
Methylcyclohexane	9.2		"	10.0		92.4	72-143				
Methylene chloride	9.9		"	10.0		98.8	55-137				
n-Butylbenzene	10		"	10.0		99.6	79-132				
n-Propylbenzene	9.7		"	10.0		97.0	78-133				
o-Xylene	9.6		"	10.0		96.2	78-130				
p- & m- Xylenes	19		"	20.0		95.0	77-133				
p-Isopropyltoluene	9.8		"	10.0		98.2	81-136				
sec-Butylbenzene	9.7		"	10.0		96.8	79-137				
Styrene	9.3		"	10.0		93.3	67-132				
tert-Butyl alcohol (TBA)	57		"	50.0		114	25-162				
tert-Butylbenzene	8.8		"	10.0		87.6	77-138				
Tetrachloroethylene	7.6		"	10.0		76.4	82-131	Low Bias			
Toluene	9.3		"	10.0		93.3	80-127				
trans-1,2-Dichloroethylene	9.1		"	10.0		91.0	80-132				
trans-1,3-Dichloropropylene	9.8		"	10.0		98.0	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		110	63-141				
Trichloroethylene	9.4		"	10.0		93.9	82-128				
Trichlorofluoromethane	9.3		"	10.0		92.7	67-139				
Vinyl Chloride	8.9		"	10.0		88.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.84*		*"*	*10.0*		*98.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21301 - EPA 5030B											
LCS Dup (BD21301-BSD1)							Prepared & Analyzed: 04/21/2022				
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		96.3	82-126		1.57	30	
1,1,1-Trichloroethane	9.5		"	10.0		94.6	78-136		3.33	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		104	76-129		3.34	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.7		"	10.0		96.8	54-165		7.06	30	
1,1,2-Trichloroethane	10		"	10.0		102	82-123		3.20	30	
1,1-Dichloroethane	9.1		"	10.0		90.8	82-129		3.13	30	
1,1-Dichloroethylene	9.1		"	10.0		91.1	68-138		0.219	30	
1,2,3-Trichlorobenzene	11		"	10.0		109	40-130		6.36	30	
1,2,3-Trichloropropane	11		"	10.0		114	77-128		0.262	30	
1,2,4-Trichlorobenzene	11		"	10.0		105	65-137		3.88	30	
1,2,4-Trimethylbenzene	9.8		"	10.0		98.5	82-132		2.31	30	
1,2-Dibromo-3-chloropropane	17		"	10.0		173	45-147	High Bias	40.9	30	Non-dir.
1,2-Dibromoethane	10		"	10.0		104	83-124		5.76	30	
1,2-Dichlorobenzene	10		"	10.0		99.9	79-123		1.11	30	
1,2-Dichloroethane	9.9		"	10.0		99.1	73-132		5.82	30	
1,2-Dichloropropane	9.6		"	10.0		96.0	78-126		2.11	30	
1,3,5-Trimethylbenzene	9.4		"	10.0		94.5	80-131		1.47	30	
1,3-Dichlorobenzene	9.6		"	10.0		95.7	86-130		0.832	30	
1,4-Dichlorobenzene	9.8		"	10.0		98.3	85-130		0.715	30	
1,4-Dioxane	160		"	210		75.3	10-349		10.6	30	
2-Butanone	13		"	10.0		131	49-152		11.8	30	
2-Hexanone	11		"	10.0		114	51-146		11.1	30	
4-Methyl-2-pentanone	10		"	10.0		105	57-145		11.2	30	
Acetone	8.3		"	10.0		82.9	14-150		19.0	30	
Acrolein	7.0		"	100		6.96	10-153	Low Bias	10.6	30	
Acrylonitrile	12		"	10.0		120	51-150		7.72	30	
Benzene	9.2		"	10.0		92.0	85-126		1.75	30	
Bromochloromethane	9.5		"	10.0		94.9	77-128		3.43	30	
Bromodichloromethane	9.6		"	10.0		96.4	79-128		0.312	30	
Bromoform	11		"	10.0		109	78-133		5.57	30	
Bromomethane	7.0		"	10.0		69.7	43-168		11.0	30	
Carbon disulfide	9.3		"	10.0		93.1	68-146		0.431	30	
Carbon tetrachloride	9.3		"	10.0		92.8	77-141		0.757	30	
Chlorobenzene	10		"	10.0		101	88-120		2.31	30	
Chloroethane	9.5		"	10.0		94.9	65-136		1.36	30	
Chloroform	9.4		"	10.0		94.3	82-128		3.23	30	
Chloromethane	8.9		"	10.0		88.8	43-155		0.225	30	
cis-1,2-Dichloroethylene	9.1		"	10.0		90.7	83-129		0.664	30	
cis-1,3-Dichloropropylene	9.7		"	10.0		96.9	80-131		1.66	30	
Cyclohexane	10		"	10.0		102	63-149		4.53	30	
Dibromochloromethane	10		"	10.0		101	80-130		5.39	30	
Dibromomethane	9.9		"	10.0		98.9	72-134		2.66	30	
Dichlorodifluoromethane	7.5		"	10.0		74.7	44-144		0.134	30	
Ethyl Benzene	9.5		"	10.0		95.1	80-131		0.633	30	
Hexachlorobutadiene	11		"	10.0		109	67-146		2.41	30	
Isopropylbenzene	9.5		"	10.0		95.4	76-140		2.18	30	
Methyl acetate	12		"	10.0		116	51-139		10.8	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		8.28	30	
Methylcyclohexane	9.6		"	10.0		96.5	72-143		4.34	30	
Methylene chloride	11		"	10.0		105	55-137		6.18	30	

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21301 - EPA 5030B											
LCS Dup (BD21301-BSD1)								Prepared & Analyzed: 04/21/2022			
n-Butylbenzene	9.7		ug/L	10.0		97.0	79-132		2.64	30	
n-Propylbenzene	9.3		"	10.0		93.4	78-133		3.78	30	
o-Xylene	9.6		"	10.0		96.4	78-130		0.208	30	
p- & m- Xylenes	19		"	20.0		94.6	77-133		0.369	30	
p-Isopropyltoluene	9.5		"	10.0		95.2	81-136		3.10	30	
sec-Butylbenzene	9.5		"	10.0		95.1	79-137		1.77	30	
Styrene	9.4		"	10.0		94.3	67-132		1.07	30	
tert-Butyl alcohol (TBA)	70		"	50.0		141	25-162		21.3	30	
tert-Butylbenzene	8.6		"	10.0		86.0	77-138		1.84	30	
Tetrachloroethylene	7.5		"	10.0		75.0	82-131	Low Bias	1.85	30	
Toluene	9.3		"	10.0		93.1	80-127		0.215	30	
trans-1,2-Dichloroethylene	9.0		"	10.0		89.6	80-132		1.55	30	
trans-1,3-Dichloropropylene	10		"	10.0		103	78-131		4.59	30	
trans-1,4-dichloro-2-butene	9.4		"	10.0		94.3	63-141		15.8	30	
Trichloroethylene	9.4		"	10.0		94.2	82-128		0.319	30	
Trichlorofluoromethane	9.4		"	10.0		93.7	67-139		1.07	30	
Vinyl Chloride	8.9		"	10.0		89.4	58-145		0.899	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.88*		*"*	*10.0*		*98.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.91*		*"*	*10.0*		*99.1*	*79-122*				
Batch BD21326 - EPA 5030B											
Blank (BD21326-BLK1)								Prepared: 04/21/2022 Analyzed: 04/22/2022			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21326 - EPA 5030B											
Blank (BD21326-BLK1)											
Prepared: 04/21/2022 Analyzed: 04/22/2022											
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.73*		*"*	*10.0*		*97.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*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
Batch BD21326 - EPA 5030B											
LCS (BD21326-BS1)								Prepared & Analyzed: 04/21/2022			
1,1,1,2-Tetrachloroethane	9.1		ug/L	10.0		91.0	82-126				
1,1,1-Trichloroethane	9.3		"	10.0		92.6	78-136				
1,1,2,2-Tetrachloroethane	9.8		"	10.0		98.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		101	54-165				
1,1,2-Trichloroethane	9.6		"	10.0		95.8	82-123				
1,1-Dichloroethane	8.9		"	10.0		89.2	82-129				
1,1-Dichloroethylene	9.2		"	10.0		92.0	68-138				
1,2,3-Trichlorobenzene	9.4		"	10.0		94.2	40-130				
1,2,3-Trichloropropane	11		"	10.0		110	77-128				
1,2,4-Trichlorobenzene	9.4		"	10.0		94.3	65-137				
1,2,4-Trimethylbenzene	9.8		"	10.0		98.3	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		104	45-147				
1,2-Dibromoethane	9.6		"	10.0		95.7	83-124				
1,2-Dichlorobenzene	9.4		"	10.0		94.5	79-123				
1,2-Dichloroethane	9.2		"	10.0		92.5	73-132				
1,2-Dichloropropane	9.3		"	10.0		93.0	78-126				
1,3,5-Trimethylbenzene	9.4		"	10.0		93.7	80-131				
1,3-Dichlorobenzene	9.3		"	10.0		93.3	86-130				
1,4-Dichlorobenzene	9.4		"	10.0		94.5	85-130				
1,4-Dioxane	110		"	210		51.3	10-349				
2-Butanone	11		"	10.0		105	49-152				
2-Hexanone	8.7		"	10.0		86.9	51-146				
4-Methyl-2-pentanone	8.0		"	10.0		80.4	57-145				
Acetone	5.9		"	10.0		59.1	14-150				
Acrolein	6.5		"	100		6.51	10-153	Low Bias			
Acrylonitrile	9.2		"	10.0		91.7	51-150				
Benzene	9.2		"	10.0		91.9	85-126				
Bromochloromethane	9.1		"	10.0		91.2	77-128				
Bromodichloromethane	9.1		"	10.0		91.2	79-128				
Bromoform	9.4		"	10.0		93.8	78-133				
Bromomethane	9.2		"	10.0		92.3	43-168				
Carbon disulfide	9.2		"	10.0		91.6	68-146				
Carbon tetrachloride	9.4		"	10.0		94.4	77-141				
Chlorobenzene	9.6		"	10.0		96.5	88-120				
Chloroethane	9.2		"	10.0		92.0	65-136				
Chloroform	9.2		"	10.0		92.2	82-128				
Chloromethane	8.7		"	10.0		87.2	43-155				
cis-1,2-Dichloroethylene	8.9		"	10.0		89.1	83-129				
cis-1,3-Dichloropropylene	9.1		"	10.0		91.2	80-131				
Cyclohexane	10		"	10.0		104	63-149				
Dibromochloromethane	9.1		"	10.0		90.9	80-130				
Dibromomethane	9.5		"	10.0		94.7	72-134				
Dichlorodifluoromethane	8.6		"	10.0		85.8	44-144				
Ethyl Benzene	9.2		"	10.0		92.4	80-131				
Hexachlorobutadiene	9.4		"	10.0		94.0	67-146				
Isopropylbenzene	9.9		"	10.0		98.6	76-140				
Methyl acetate	9.8		"	10.0		98.2	51-139				
Methyl tert-butyl ether (MTBE)	9.0		"	10.0		90.2	76-135				
Methylcyclohexane	9.5		"	10.0		95.4	72-143				
Methylene chloride	9.2		"	10.0		92.1	55-137				

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
Batch BD21326 - EPA 5030B											
LCS (BD21326-BS1)								Prepared & Analyzed: 04/21/2022			
n-Butylbenzene	9.2		ug/L	10.0		92.4	79-132				
n-Propylbenzene	9.5		"	10.0		95.1	78-133				
o-Xylene	9.4		"	10.0		94.5	78-130				
p- & m- Xylenes	19		"	20.0		93.7	77-133				
p-Isopropyltoluene	9.2		"	10.0		92.5	81-136				
sec-Butylbenzene	9.5		"	10.0		94.9	79-137				
Styrene	8.9		"	10.0		89.4	67-132				
tert-Butyl alcohol (TBA)	56		"	50.0		112	25-162				
tert-Butylbenzene	8.6		"	10.0		86.3	77-138				
Tetrachloroethylene	7.5		"	10.0		75.2	82-131	Low Bias			
Toluene	9.3		"	10.0		93.2	80-127				
trans-1,2-Dichloroethylene	9.0		"	10.0		90.5	80-132				
trans-1,3-Dichloropropylene	9.3		"	10.0		93.2	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		108	63-141				
Trichloroethylene	9.2		"	10.0		92.4	82-128				
Trichlorofluoromethane	9.6		"	10.0		95.6	67-139				
Vinyl Chloride	8.7		"	10.0		87.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.94*		*"*	*10.0*		*99.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.94*		*"*	*10.0*		*99.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
LCS Dup (BD21326-BSD1)								Prepared & Analyzed: 04/21/2022			
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		95.4	82-126		4.72	30	
1,1,1-Trichloroethane	9.8		"	10.0		97.9	78-136		5.56	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129		2.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		104	54-165		2.74	30	
1,1,2-Trichloroethane	9.7		"	10.0		97.0	82-123		1.24	30	
1,1-Dichloroethane	9.1		"	10.0		91.3	82-129		2.33	30	
1,1-Dichloroethylene	9.7		"	10.0		96.8	68-138		5.08	30	
1,2,3-Trichlorobenzene	9.2		"	10.0		91.6	40-130		2.80	30	
1,2,3-Trichloropropane	11		"	10.0		112	77-128		2.61	30	
1,2,4-Trichlorobenzene	9.2		"	10.0		92.4	65-137		2.04	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		2.81	30	
1,2-Dibromo-3-chloropropane	12		"	10.0		115	45-147		10.1	30	
1,2-Dibromoethane	9.7		"	10.0		96.8	83-124		1.14	30	
1,2-Dichlorobenzene	9.6		"	10.0		96.4	79-123		1.99	30	
1,2-Dichloroethane	9.5		"	10.0		95.4	73-132		3.09	30	
1,2-Dichloropropane	9.8		"	10.0		97.9	78-126		5.13	30	
1,3,5-Trimethylbenzene	9.6		"	10.0		96.0	80-131		2.42	30	
1,3-Dichlorobenzene	9.5		"	10.0		94.9	86-130		1.70	30	
1,4-Dichlorobenzene	9.7		"	10.0		97.0	85-130		2.61	30	
1,4-Dioxane	4.6		"	210		2.17	10-349	Low Bias	184	30	Non-dir.
2-Butanone	11		"	10.0		105	49-152		0.190	30	
2-Hexanone	8.7		"	10.0		87.1	51-146		0.230	30	
4-Methyl-2-pentanone	8.1		"	10.0		81.4	57-145		1.24	30	
Acetone	7.4		"	10.0		74.2	14-150		22.7	30	
Acrolein	6.3		"	100		6.30	10-153	Low Bias	3.28	30	
Acrylonitrile	9.2		"	10.0		92.3	51-150		0.652	30	
Benzene	9.4		"	10.0		93.6	85-126		1.83	30	
Bromochloromethane	9.5		"	10.0		94.6	77-128		3.66	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
Batch BD21326 - EPA 5030B											
LCS Dup (BD21326-BSD1)								Prepared & Analyzed: 04/21/2022			
Bromodichloromethane	9.5		ug/L	10.0		95.2	79-128		4.29	30	
Bromoform	9.6		"	10.0		96.4	78-133		2.73	30	
Bromomethane	12		"	10.0		118	43-168		24.4	30	
Carbon disulfide	9.6		"	10.0		95.5	68-146		4.17	30	
Carbon tetrachloride	10		"	10.0		99.7	77-141		5.46	30	
Chlorobenzene	10		"	10.0		101	88-120		4.85	30	
Chloroethane	9.5		"	10.0		94.8	65-136		3.00	30	
Chloroform	9.4		"	10.0		94.4	82-128		2.36	30	
Chloromethane	9.0		"	10.0		90.3	43-155		3.49	30	
cis-1,2-Dichloroethylene	9.1		"	10.0		91.0	83-129		2.11	30	
cis-1,3-Dichloropropylene	9.6		"	10.0		95.7	80-131		4.82	30	
Cyclohexane	11		"	10.0		106	63-149		1.24	30	
Dibromochloromethane	9.5		"	10.0		94.8	80-130		4.20	30	
Dibromomethane	9.6		"	10.0		96.2	72-134		1.57	30	
Dichlorodifluoromethane	8.9		"	10.0		89.0	44-144		3.66	30	
Ethyl Benzene	9.7		"	10.0		97.0	80-131		4.86	30	
Hexachlorobutadiene	9.4		"	10.0		94.3	67-146		0.319	30	
Isopropylbenzene	10		"	10.0		100	76-140		1.81	30	
Methyl acetate	9.8		"	10.0		97.6	51-139		0.613	30	
Methyl tert-butyl ether (MTBE)	9.2		"	10.0		91.7	76-135		1.65	30	
Methylcyclohexane	10		"	10.0		99.8	72-143		4.51	30	
Methylene chloride	9.6		"	10.0		96.1	55-137		4.25	30	
n-Butylbenzene	9.4		"	10.0		94.3	79-132		2.04	30	
n-Propylbenzene	9.9		"	10.0		98.6	78-133		3.61	30	
o-Xylene	9.9		"	10.0		98.6	78-130		4.25	30	
p- & m- Xylenes	19		"	20.0		97.2	77-133		3.67	30	
p-Isopropyltoluene	9.6		"	10.0		95.9	81-136		3.61	30	
sec-Butylbenzene	9.8		"	10.0		98.3	79-137		3.52	30	
Styrene	9.3		"	10.0		93.3	67-132		4.27	30	
tert-Butyl alcohol (TBA)	49		"	50.0		98.0	25-162		13.6	30	
tert-Butylbenzene	9.0		"	10.0		90.0	77-138		4.20	30	
Tetrachloroethylene	7.7		"	10.0		77.4	82-131	Low Bias	2.88	30	
Toluene	9.6		"	10.0		96.3	80-127		3.27	30	
trans-1,2-Dichloroethylene	9.2		"	10.0		91.7	80-132		1.32	30	
trans-1,3-Dichloropropylene	9.7		"	10.0		97.1	78-131		4.10	30	
trans-1,4-dichloro-2-butene	9.2		"	10.0		91.8	63-141		15.8	30	
Trichloroethylene	10		"	10.0		99.6	82-128		7.50	30	
Trichlorofluoromethane	9.9		"	10.0		98.8	67-139		3.29	30	
Vinyl Chloride	9.4		"	10.0		93.6	58-145		7.08	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.99*		*"*	*10.0*		*99.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21542 - SPE Ext-PFAS-EPA 537.1M											
Blank (BD21542-BLK1)											
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	ng/L								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
N-EtFOSAA	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Surrogate: M3PFBS	*66.7*		"	*74.3*		*89.8*	*25-150*				
Surrogate: M5PFHxA	*74.3*		"	*80.0*		*92.9*	*25-150*				
Surrogate: M4PFHpA	*79.3*		"	*80.0*		*99.1*	*25-150*				
Surrogate: M3PFHxS	*73.5*		"	*75.7*		*97.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*67.0*		"	*80.0*		*83.7*	*25-150*				
Surrogate: M6PFDA	*69.6*		"	*80.0*		*87.0*	*25-150*				
Surrogate: M7PFUdA	*67.5*		"	*80.0*		*84.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*62.2*		"	*80.0*		*77.8*	*25-150*				
Surrogate: M2PFTeDA	*55.1*		"	*80.0*		*68.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*70.4*		"	*80.0*		*88.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*68.4*		"	*76.6*		*89.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*67.9*		"	*80.0*		*84.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.4*		"	*80.0*		*46.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*49.3*		"	*80.0*		*61.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*75.9*		"	*80.0*		*94.9*	*25-150*				
Surrogate: M2-6:2 FTS	*85.0*		"	*75.9*		*112*	*25-200*				
Surrogate: M2-8:2 FTS	*117*		"	*76.6*		*152*	*25-200*				
Surrogate: M9PFNA	*65.5*		"	*80.0*		*81.9*	*25-150*				

Prepared: 04/25/2022 Analyzed: 04/28/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD21542 - SPE Ext-PFAS-EPA 537.1M											
LCS (BD21542-BS1)								Prepared: 04/25/2022 Analyzed: 04/28/2022			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	84.0	2.00	ng/L	76.8		109	50-175				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	70.0	5.00	"	76.0		92.1	50-175				
N-EtFOSAA	70.3	2.00	"	80.0		87.8	50-130				
N-MeFOSAA	86.2	2.00	"	80.0		108	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	85.2	2.00	"	77.2		110	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	92.3	2.00	"	76.4		121	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	95.9	2.00	"	80.0		120	50-130				
Perfluorobutanesulfonic acid (PFBS)	74.3	2.00	"	70.8		105	50-130				
Perfluorodecanoic acid (PFDA)	80.4	2.00	"	80.0		100	50-130				
Perfluorododecanoic acid (PFDoA)	84.6	2.00	"	80.0		106	50-130				
Perfluoroheptanoic acid (PFHpA)	78.0	2.00	"	80.0		97.5	50-130				
Perfluorohexanesulfonic acid (PFHxS)	92.4	2.00	"	72.8		127	50-130				
Perfluorohexanoic acid (PFHxA)	85.2	2.00	"	80.0		106	50-130				
Perfluoro-n-butanoic acid (PFBA)	83.1	2.00	"	80.0		104	50-130				
Perfluorononanoic acid (PFNA)	81.1	2.00	"	80.0		101	50-130				
Perfluorooctanesulfonic acid (PFOS)	82.6	2.00	"	74.0		112	50-130				
Perfluorooctanoic acid (PFOA)	89.3	2.00	"	80.0		112	50-130				
Perfluoropentanoic acid (PFPeA)	86.0	2.00	"	80.0		108	50-130				
Perfluorotetradecanoic acid (PFTA)	82.2	2.00	"	80.0		103	50-130				
Perfluorotridecanoic acid (PFTrDA)	84.1	2.00	"	80.0		105	50-130				
Perfluoroundecanoic acid (PFUnA)	87.7	2.00	"	80.0		110	50-130				
Surrogate: M3PFBS	*60.3*		*"*	*74.3*		*81.1*	*25-150*				
Surrogate: M5PFHxA	*64.8*		*"*	*80.0*		*81.0*	*25-150*				
Surrogate: M4PFHpA	*74.7*		*"*	*80.0*		*93.3*	*25-150*				
Surrogate: M3PFHxS	*66.7*		*"*	*75.7*		*88.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*68.0*		*"*	*80.0*		*85.0*	*25-150*				
Surrogate: M6PFDA	*71.9*		*"*	*80.0*		*89.9*	*25-150*				
Surrogate: M7PFUdA	*63.0*		*"*	*80.0*		*78.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*53.0*		*"*	*80.0*		*66.2*	*25-150*				
Surrogate: M2PFTeDA	*50.4*		*"*	*80.0*		*63.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*66.8*		*"*	*80.0*		*83.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*62.1*		*"*	*76.6*		*81.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*62.0*		*"*	*80.0*		*77.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*39.0*		*"*	*80.0*		*48.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.6*		*"*	*80.0*		*79.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*68.6*		*"*	*80.0*		*85.8*	*25-150*				
Surrogate: M2-6:2 FTS	*86.1*		*"*	*75.9*		*113*	*25-200*				
Surrogate: M2-8:2 FTS	*121*		*"*	*76.6*		*158*	*25-200*				
Surrogate: M9PFNA	*69.8*		*"*	*80.0*		*87.2*	*25-150*				

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
Batch BD21107 - Preparation for GC Analysis											
Blank (BD21107-BLK1)								Prepared & Analyzed: 04/19/2022			
Ethylene Glycol	ND	10.0	mg/L								
Propylene Glycol	ND	10.0	"								
Surrogate: 1,4-Butanediol	*55.5*		*"*	*50.0*		*111*	*30-130*				
LCS (BD21107-BS1)								Prepared & Analyzed: 04/19/2022			
Ethylene Glycol	47.1	10.0	mg/L	50.0		94.3	60-140				
Propylene Glycol	46.6	10.0	"	50.0		93.3	60-140				
Surrogate: 1,4-Butanediol	*54.4*		*"*	*50.0*		*109*	*30-130*				
Duplicate (BD21107-DUP1)	*Source sample: 22D0624-01 (Duplicate)							Prepared: 04/19/2022 Analyzed: 04/20/2022			
Ethylene Glycol	ND	10.0	mg/L		ND					25	
Propylene Glycol	ND	10.0	"		ND					25	
Surrogate: 1,4-Butanediol	*50.3*		*"*	*50.0*		*101*	*30-130*				
Matrix Spike (BD21107-MS1)	*Source sample: 22D0624-01 (Matrix Spike)							Prepared: 04/19/2022 Analyzed: 04/20/2022			
Ethylene Glycol	44.3	10.0	mg/L	50.0	ND	88.6	60-140				
Propylene Glycol	47.3	10.0	"	50.0	ND	94.6	60-140				
Surrogate: 1,4-Butanediol	*51.8*		*"*	*50.0*		*104*	*30-130*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22D0852-05	MW-56S	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0852-07	DPWMW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0852-09	Field Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22D0852-10	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
PFSUBS	The aqueous smaple contained appreciable levels of sediment requiring sub-sampling by decantation.
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.

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

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

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YORK Project No. 2200852

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: WSP USA	Company:	Company:	31402218.000	RUSH - Next Day
Address: 500 Summit Lake Dr Valhalla NY 10595	Address: Same	Address: Same	YOUR Project Name: Westchester County Airport CWCA	RUSH - Two Day
Phone: 914 694 5711	Phone:	Phone:		RUSH - Three Day
Contact: John Benvegna	Contact:	Contact:		RUSH - Four Day
Email: John.Benvegna@wsp.com	Email:	Email:	YOUR PO#:	Standard (5-7 Day) X

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

Mike Reiff

Samples Collected by: (print AND sign your name)

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

Samples From: New York ✓; New Jersey; Connecticut; Pennsylvania; Other:

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested: EPA 537	8260 Full List	1,4 Dioxane	Gases	Container Description
MW-54S	GW	4/15/22 0945	X				2P
MW-54D		1040					
MW-55S		1145					
MW-55D		1250					
MW-56S		1335		X			
MW-63		1435					
DPW MW-3		1520		X		X	3V, 2V
MW-60		1645					
Field Blank	DI	1650		X		X	3V, 2V

Comments:

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

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

Special Instruction: Field Filtered ☐ Lab to Filter ☐

Sampler Relinquished by / Company	Date/Time	Sample Received by / Company	Date/Time	Sample Received by / Company	Date/Time
[signature]	4/15/22 1700	Client York	4-18-22 11:30	Client York	4-18-22 13:56
				[signature]	4/18/22 13:56 1.7

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

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

YORK Project No. 22D0852

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: WSP USA	Company:	Company:	31402218.000	RUSH - Next Day
Address: 500 Summit Lake Dr Valhalla NY 10595	Address: Same	Address: Same	YOUR Project Name: Westchester County Airport (WCA	RUSH - Two Day
Phone: 914 694 5711	Phone:	Phone:		RUSH - Three Day
Contact: John Benvegna	Contact:	Contact:		RUSH - Four Day
E-mail: John.Benvegna@WSP.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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

Mike Reiff

Samples Collected by: (print AND sign your name)

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

Samples From
New York ✓
New Jersey
Connecticut
Pennsylvania
Other:

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested: EPA 537	8260 Full List	1,4 Dioxane	Glycols	Container Description
Trip Blank	DI			X			2 3V

Comments:

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

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

Special Instruction
Field Filtered
Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
	4/15/22 1700	Chris York	4-18-22 11:30	Chris York	4-18-22 13:56
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
					4/18/22 13:56 1.7 Degrees C