

October 22, 2025

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C
625 Broadway, 12th Floor
Albany, New York 12233-7014

Attn: Greta Kowalski, P.G. – Project Manager
P: (518) 402-2029
E: greta.kowalski@dec.ny.gov

RE: Monthly Progress Report – October 2025
Brownfield Cleanup Program
Westchester County Airport Site No. C360174
240 Airport Road, West Harrison, New York 10604
Terracon Project No. JA257006

Dear Ms. Kowalski:

Terracon Consultants-NY, Inc. (Terracon) has prepared this Monthly Progress Report summarizing work performed for the month of October 2025 at the Westchester County Airport (HPN) site located in West Harrison, New York ("site"). Remedial activities are being performed at the site under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP).

Activities for this Reporting Period

The following work is currently in progress. Refer to **Appendix A** for a full schedule of proposed and completed work. Site locations and diagrams are presented in attached **Appendix B**.

1.) Interim Site Management Plan (ISMP)

- a. The NYSDEC issued a formal acceptance letter of the final version of the ISMP on June 25, 2025. As future projects are planned or if site conditions change, the ISMP will be revised and submitted to the Department for review and approval.

2.) Outfall OF-7

- a. Treatment system Operations, Monitoring, and Maintenance (OMM) have continued since the last reporting period.
- b. Twice-per-month treatment system sampling was performed on September 10, 2025 and September 24, 2025. Refer to the Outfall OF-7 Treatment System

Process Schematic in **Appendix B** displaying treatment system sample locations/labeling.

- c. As of the date of this report, approximately 1,350,000 gallons of combined stormwater/groundwater have been pumped from the sump in Outfall OF-7 and processed by the on-site treatment system.
- d. A summary table of results received through the September 24, 2025 treatment system sampling is presented in Table 1, **Appendix C**. Current period laboratory analytical reports can be found in **Appendix D**.
- e. The discharge of treated water from the OF-7 Treatment System is sampled for the site's SPDES parameters for Outfall OF-7 on a monthly basis.
- f. Surface water samples were obtained on October 8, 2025 from the following locations:
 - OF-7 Pipe: sample collected from the pipe of the storm drain prior to discharge into the Outfall OF-7 basin
 - OF-7 Pool: sample collected from surface water in the OF-7 basin downstream of the weir receiving the treated system discharge
 - OF-7 Grate: sample of surface water from within the system grate, just south of Airport Road
 - OF-7A: sample of surface water at designated location, just to the north of Airport Road
 - E-10: sample of surface water from DEC-established sampling location furthest downstream from the site.

The samples were analyzed for PFAS via EPA Method 1633. Results are unavailable at the time of this report and will be included in next month's report. A summary of the noted surface water PFOA/PFOS historical sampling data is presented in Table 2 and along with select trend charts and the surface water sampling analytical reports, included in **Appendix C**.

3.) **Construction/Capital Improvement Projects**

- a. IRM Work Plan for HVAC Upgrades (HVAC Work Plan)
 - i. The NYSDEC issued a formal letter of acceptance on July 3, 2025.
 - ii. Excavation activities for the concrete pad construction and HVAC system installation began on 8/18/25 and were completed on 8/22/2025.
 - iii. A total of six soil samples were collected from the limits of the excavation during construction activities. Refer to previous Monthly reports for HVAC data and results.
 - iv. Disposal of excess soil generated during the project is anticipated in 2-3 weeks. Soil disposal documentation will be provided upon completion.

- v. A construction completion report will be prepared when site activities for the HVAC Upgrade are complete.
- b. Runway 16/34 Shoulders and Edge Lighting Rehabilitation (Runway Shoulders Project)
 - i. Project is associated with FAA grant requirements; construction is scheduled for Spring 2026. The project in general includes widening both runway shoulders by approximately 20 feet.
 - ii. NYSDEC issued a formal letter of acceptance for the IRM Work plan on September 4th, 2025.
 - iii. Field work is scheduled for the week of 10/20/25
- c. Snow Removal Equipment Building at Building 10 (SRE Building)
 - i. An IRM work plan for pre-construction site characterization was provided on October 6, 2025 for NYSDEC review.
 - ii. Construction is anticipated in May 2026.
- d. Domestic Fire Line System Upgrades, the Taxiway "L" Rehabilitation, Detention Basin A & B Improvements.
 - i. Construction is anticipated to start in April 2026.
 - ii. Terracon is evaluating the scope of future pre-construction site characterization. An update on this capital project will be provided in the upcoming Monthly Report.
- e. Infrastructure Improvements for Gas Main Extension.
 - i. Construction is anticipated to start in April 2026.
 - ii. Terracon is evaluating the scope of future pre-construction site characterization. An update on this capital project will be provided in the upcoming Monthly Report.

4.) Building 10 / Burn Pit Area

- a. An evaluation of previous investigations and findings related to the Burn Pit and nearby Building 10 is underway. An overview of Terracon's initial phase of further remedial investigations for this area of concern (AOC) will be discussed with NYSDEC during our regularly schedule project review meeting on November 4, 2025.

5.) Outfall OF-4

- a. The Airport and Terracon are planning to conduct quarterly PFAS sampling via EPA Method 1633A at Outfall OF-4 and from within the surface water at the HPN property approximately 400-feet downstream of Outfall OF-4.
- b. A brief letter/planned work plan and schedule will be provided to NYSDEC during the week of 10/20/2025.

6.) FMW-13R PlumeStop Injection Testing

- a. Terracon will prepare a brief letter/planned work plan and schedule for a re-assessment of groundwater quality in the vicinity of FMW-13R and PlumeStop injection site during the week of 10/27/2025.

Modificatons to Approved Work Plans

Terracon will incorporate previous IRM findings and utilize the information to generate new work plan submittals.

Terracon received the April 2025 semi-annual groundwater sampling results which will be incorporated into the planning/evaluation for further site characterization.

Remedial Investigation Work Plan (RIWP): with concurrence from discussion with NYSDEC representatives, and in consideration of upcoming capital improvement work, the approved RI work plan from March 2024 will be completed in a phased approach to incorporate the multiple work areas of upcoming capital improvement/construction projects at the airport.

Sample Collection and Analytical Data

A summary of the sampling activities performed during this period is provided below. Results are summarized in respective sections and appendices of this Monthly Report. **Appendix D** lists all analytical reports.

Outfall OF-7 IRM

- a. A summary table of results through the September 24, 2025 treatment system sampling is presented in Table 1, and current period laboratory analytical reports (**Appendix C & D**).
- b. The discharge of treated water from the OF-7 Treatment System is sampled for the site's SPDES parameters for Outfall OF-7 on a monthly basis. The results of the September 2025 SPDES-related parameters are also included in **Appendix C**.
- c. A summary of the PFOA/PFOS results from surface water sampling compared to historical sampling data is presented in Table 2 and along with select trend charts and the surface water sampling analytical reports, included in **Appendix C**.

Problems or Delays in Implementation of Remedial Work or Schedule/Corrective Actions

Deliverables are being prioritized in collaboration with NYSDEC and will be provided as completed. Status of activities will be provided each month via these Monthly Reports.

CAMP Observations

There was no fieldwork requiring air monitoring performed since the previous Monthly Report was submitted, therefore no CAMP requirements or samples collected.

Planned Activities for Next Month

1. OF-7 IRM: Continued Operation, Maintenance, Monitoring and Sampling of the OF-7 IRM Treatment System.
2. HVAC Work Plan: Construction Completion Report.
3. Submittal of IRM work plans for:
 - a. Building 10 / Burn Pit Area
 - b. WJWW – IRM work plan(s) are being prepared and submitted by WJWW and its consultants

For activities not described above, Terracon will provide a 10-calendar day prior notice for planned field activities.

We appreciate the opportunity to provide this progress report. If you have any questions or comments, please give us a call.

Sincerely,

Terracon Consultants-NY, Inc.



Michele Patterson-Wittman, PG
Operations Manager
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(585) 363-7016



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Operations Manager
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Appendix A

Remedial Work Schedule

Remedial Action Schedule

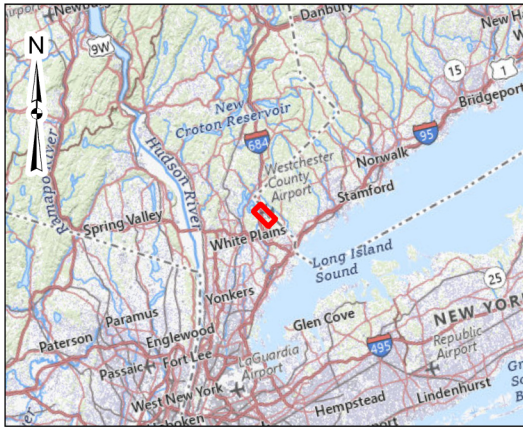
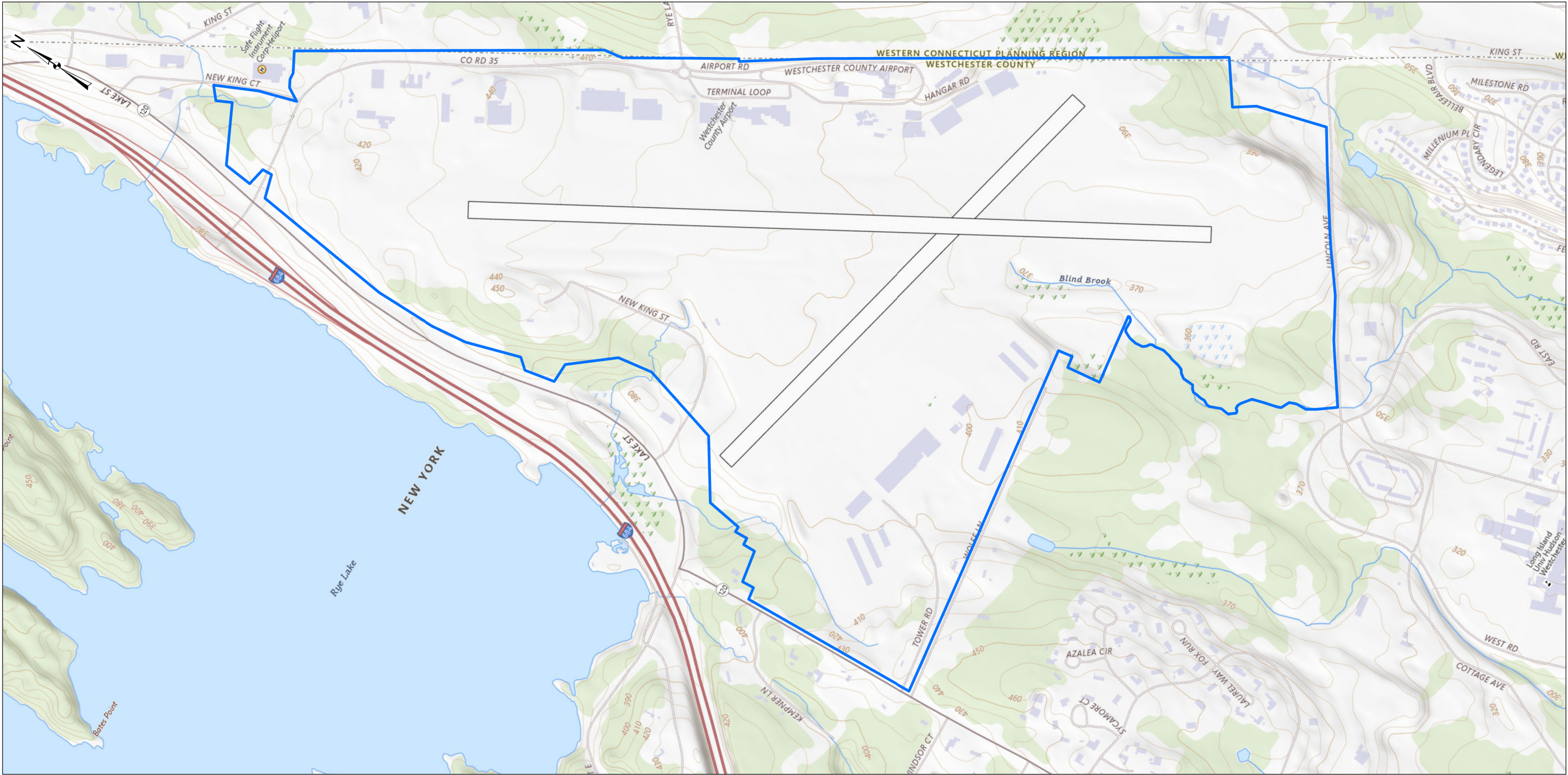
Milestone / Deliverable	Anticipated Due Date	Submitted	Returned
1 - DRAFT Interim Site Management Plan	3/17/2025	3/19/25	5/13/25
Address Comments and Resubmit	6/1/2025	6/13/25	N/A
Conditional Approval	6/25/25		
2 - DRAFT IRM WP Update for Outfall OF-7		3/25/25	4/10/25
Address comments and Re-submit	4/25/25	4/25/25	5/13/2025
Mobilization of Equipment	4/30/25	5/13/25	N/A
Installation and Start-up	Week of 5/19/2025	N/A	N/A
System OMM and Reporting	Monthly per IRM WP		
3a - DRAFT IRM WP for HVAC Concrete Pad	5/1/25	5/16/25	6/16/2025
Address Comments and Resubmit	6/18/2025	6/18/25	7/3/25
DEC Acceptance	7/3/25		
Soil Investigation	7/8/25	7/9/25	N/A
HVAC Construction	8/18/25	N/A	N/A
Construction Completion Report	TBD		
3b - DRAFT IRM WP for Runway Shoulder Installation	7/1/25	7/16/25	8/14/25
Address Comments and Resubmit	8/31/25	8/29/25	N/A
DEC Acceptance	9/4/25		
Soil Investigation	10/20/25		
Runway Construction	April 2026		
3c - DRAFT IRM WP for SRE Building	10/15/2025	10/6/2025	
DEC Acceptance			
Soil Investigation	TBD		
SRE Construction	Spring 2026		
3d - DRAFT Stormwater Prevention Plan (SWPP)	WJWW 7/18/25	NLT 8/1/25	
3e – Natural gas line installation IRM WP	TBD		
Natural gas line construction	EST Q2 2026		
4 – DRAFT Building 10/Burn Pit Area IRM WP	TBD		
5 – DRAFT Outfall OF-4 IRM WP	TBD		
6 – WJWW Sewer Line on Site property IRM WP	TBD		



Milestone / Deliverable	Anticipated Due Date	Submitted	Returned
Sewer line construction	EST Q2 2026		

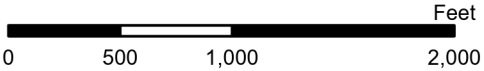
Appendix B

Figures



Legend
BCP Site Boundary

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub
New York DEC - Remediation Site Boundaries



Project No.:
JA257006
Date:
Sep 2025
Drawn By:
HPM
Reviewed By:



70 Vantage Point Dr, Ste 1
Rochester, NY

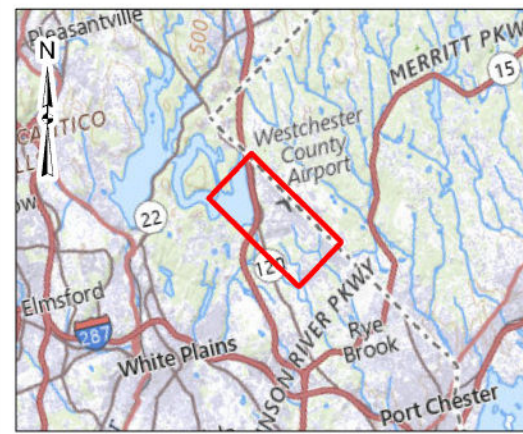
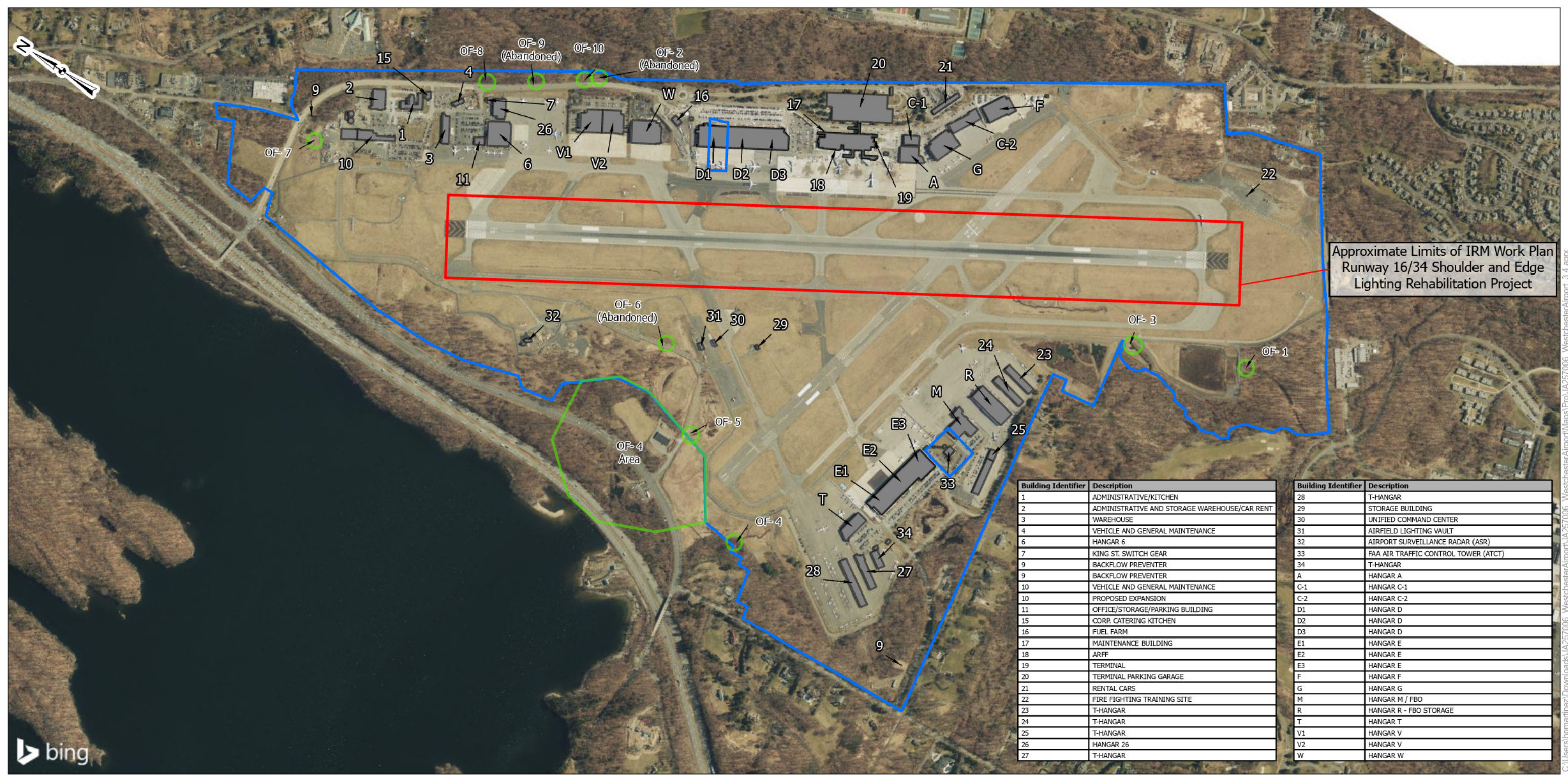
PH. 585-247-3471 terracon.com

Topographic Map

Westchester County Airport
West Harrison, New York

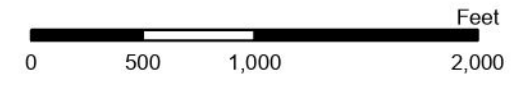
Exhibit

1



- Legend**
- BCP Site Boundary
 - SPDES Outfall
 - Buildings

DATA SOURCES:
Westchester County GeoHub
NYSDEC - BCP Site Boundary



Project No.:
JA257006
Date:
May 2025
Drawn By:
HPM
Reviewed By:



70 Vantage Point Dr, Ste 1
Rochester, NY
PH. 585-247-3471 terracon.com

Site Diagram

Westchester County Airport
West Harrison, New York

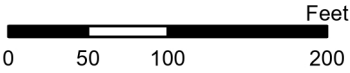
Exhibit

2



- Legend**
- BCP Site Boundary
 - SPDES Outfall
 - Outfall-7 (OF-7) and Adjacent Locations

DATA SOURCES:
ESRI Basemaps
Westchester County GeoHub
New York DEC - Remediation Site Boundaries



Project No.:
JA257006
Date:
Oct 2025
Drawn By:
HPM
Reviewed By:

terracon
70 Vantage Point Dr, Ste 1
Rochester, NY
PH. 585-247-3471 terracon.com

Outfall-7 (OF-7) Site Diagram	Exhibit
Westchester County Airport West Harrison, New York	3

Outfall OF-7 Treatment System Process Schematic
Westchester County Airport / NYSDEC BCP Site No. C360174
240 Airport Road, West Harrison, New York 10604

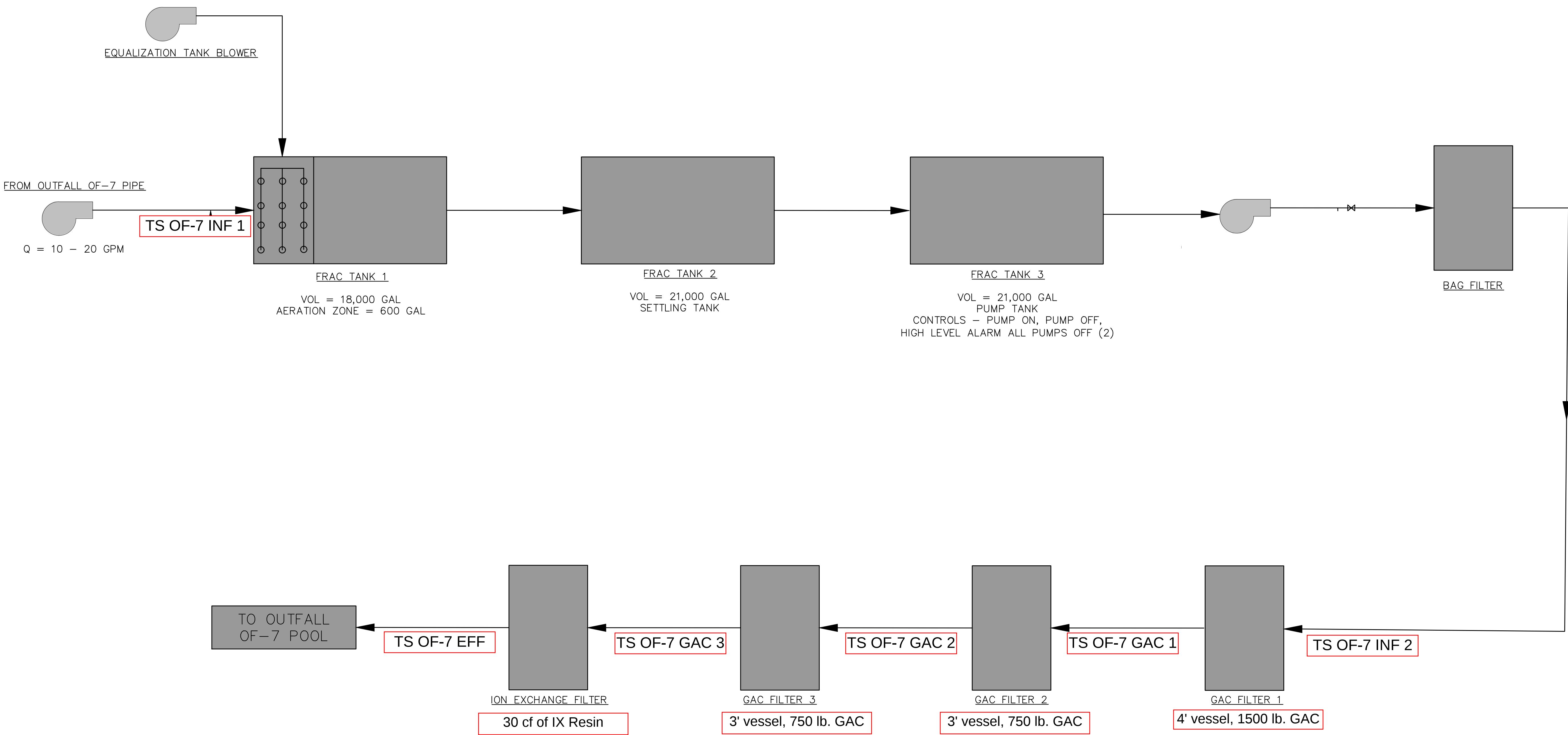


Exhibit 4

PROCESS FLOW DIAGRAM

SHEET TITLE:

PROJECT TITLE:
WESTCHESTER AIRPORT PFAS TREATMENT
WESTCHESTER COUNTY AIRPORT
HARRISON, NY

REVISIONS:

NO.	DATE	DESCRIPTION	BY:

CIVIL ENGINEERING AND ENVIRONMENTAL SERVICES 3612 SOUTH SHACKLEFORD RD LITTLE ROCK, ARKANSAS 72205 PH: (501) 221-7122 FX: (501) 221-7775			
DESIGNED BY:	DATE: MAR. 11, 2025	SCALE:	N.T.S.
DRAWN BY:	JAM		
CHECKED BY:	BJW		



JOB NUMBER:
J2257015

Appendix C

Tables

Table 1
Summary of Outfall OF-7 Treatment System Sampling Results
Westchester County Airport / NYSDEC BCP Site No. C360174
240 Airport Road, West Harrison, New York 10604

values in nanograms per Liter (ng/L), ppt					
Groundwater / Human Health Criteria ¹		6.7	2.7	N/A	350
Sample Location	Date	PFOA	PFOS	Total PFAS ²	1-4 dioxane
Influent	6/2/2025	395	2,430	5,664	ND < 300
	6/16/2025	449	2840	6,376	ND < 300
	6/24/2025	681	3760	7,606	ND < 300
	7/10/2025	309	1470	3,527	NA
	7/21/2025	524	3500	7,227	ND < 300
	8/14/2025	553	2460	5,629	ND < 300
	8/26/2025	628	2920	5,949	ND < 300
	9/10/2025	538	2370	3,013	NA
	9/24/2025	719	3410	6,854	NA
Effluent	5/22/2025	ND < 0.429	ND < 0.838	ND	ND < 300
	6/2/2025	ND < 0.398	ND < 0.776	ND	ND < 300
	6/16/2025	ND < 0.423	ND < 0.826	N/A	N/A
	6/24/2025	ND < 0.423	ND < 0.826	ND	NA
	7/10/2025	NA	NA	NA	NA
	7/21/2025	ND < 0.765	1.51	4.06	NA
	8/14/2025	ND < 0.923	ND < 0.702	ND	NA
	8/26/2025	ND < 0.955	ND < 0.726	ND	ND < 300
	9/10/2025	ND < 1.00	ND < 0.762	ND	NA
	9/24/2025	ND < 0.903	ND < 0.686	ND	NA
Notes	PFAS analyses via EPA Method 1633A; 1-4 dioxane analyses via EPA Method 8270				
1	NYSDEC has adopted ambient water quality guidance values for PFOA and PFOS of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS, respectively. These human health criteria should also be applied to surface water that is used as a water supply.				
2	"Total PFAS" is a summation of target PFAS analytes via EPA Method 1633A				
Bold values	indicate compound detected above the analytical method reporting limit (RL)				
Shaded values	indicate compound detection above one/more NYSDEC criteria listed above				
ND	indicates compound not detected above the analytical method reporting level (RL)				
NA	compound not analyzed				

Table 2
Summary of Surface Water Sampling Results @ Outfall OF-7
Westchester County Airport / NYSDEC BCP Site No. C360174
240 Airport Road, West Harrison, New York 10604

values in nanograms per Liter (ng/L), ppt

Groundwater / Human Health Criteria ¹		6.7	2.7	N/A
Sample Location	Date	PFOA	PFOS	Total PFAS
OF-7 Pipe	1/23/2024	445	2440	
	2/21/2024	442	4420	
	3/7/2024	128	1490	
	7/21/2025	774	3770	7553
	8/26/2025	746	3310	6147
OF-7 Pool	8/10/2023	553	1680	4904
	8/23/2023	383	1530	4146
	5/14/2025	52	505	2448
	7/21/2025	3	18	37
	8/26/2025	ND < 0.963	1.62	1.62
OF-7 Grate	8/10/2023	438	2740	5737
	8/23/2023	360	3340	6385
	5/14/2025	83	757	3242
	7/21/2025	11	70	194
	8/26/2025	5.2	42	99
OF-7A	8/10/2023	409	1770	4665
	8/23/2023	335	2280	5055
	9/7/2023	136	829	2371
	9/8/2023	113	842	2066
	11/8/2023	270	1310	3416
	5/14/2025	74	554	2633
	7/21/2025	33	440	804
	8/26/2025	16.1	180	378
E-10	10/26/2022	183	791	
	12/28/2022	121	604	
	4/18/2023	135	532	
	7/21/2025	33	234	588
	8/26/2025	26	190	426

Notes PFAS analyses via EPA Method 1633; 1-4 dioxane analyses via EPA Method 8270

¹ NYSDEC has adopted ambient water quality guidance values for PFOA and PFOS.

Groundwater samples should be compared to the human health criteria of 6.7 ng/l (ppt) for PFOA and 2.7 ng/l (ppt) for PFOS.

These human health criteria should also be applied to surface water that is used as a water supply.

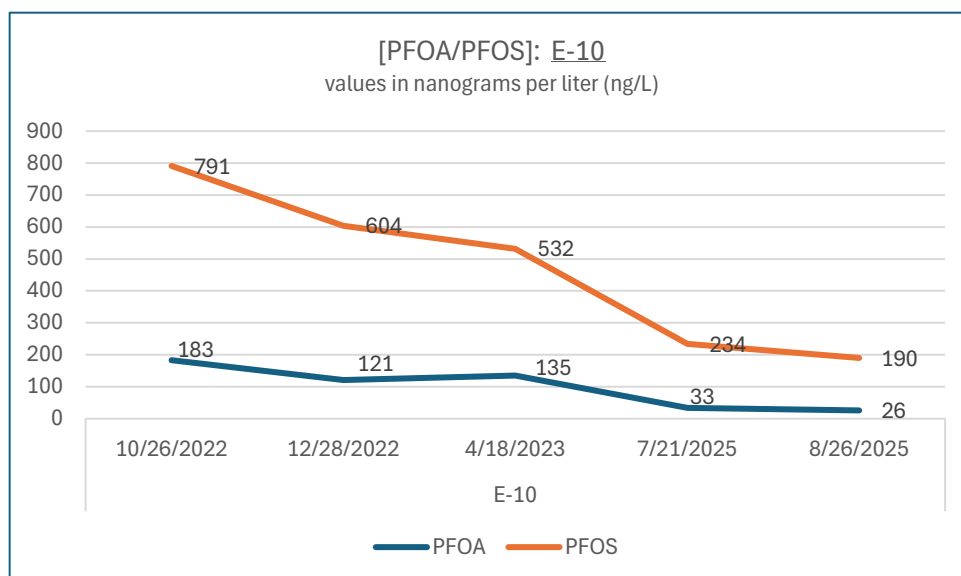
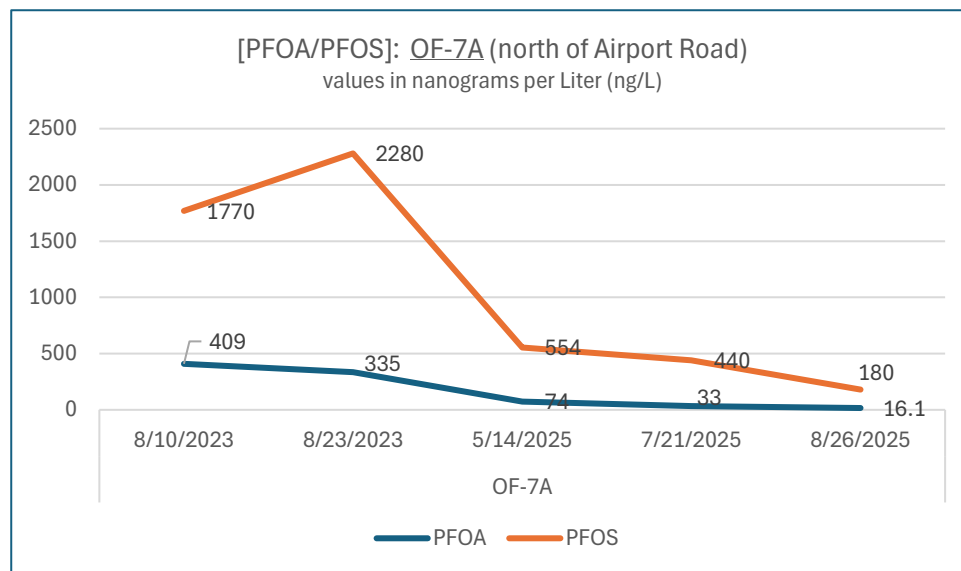
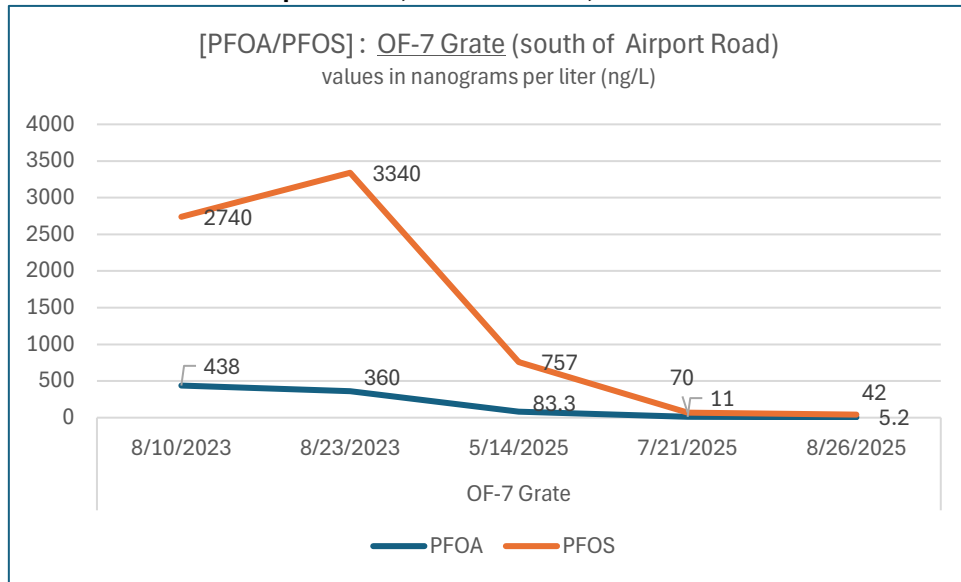
Sources: *Finalized Water Quality Guidance Values to Regulate PFOA, PFOS, and 1, 4-Dioxane* (March 15, 2023), NYSDEC, and *Sampling, Analysis, and Assessment of Per-and Polyfluoroalkyl Substances (PFAS), under NYSDEC's Part 375 Remedial Programs (April 2023), NYSDEC*

Trend of Surface Water Sampling Results @ Outfall OF-7
Westchester County Airport / NYSDEC BCP Site No. C360174
240 Airport Road, West Harrison, New York 10604

values in nanograms per Liter (ng/L), ppt

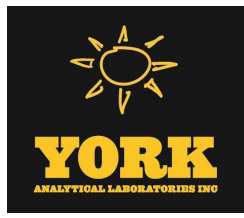
Groundwater / Human Health Criteria ¹		6.7	2.7
Sample Location	Date	PFOA	PFOS
OF-7 Pool within OF-7 basin	8/10/2023	553	1680
	8/23/2023	383	1530
	5/14/2025	51.5	505
	7/21/2025	3	18
OF-7 Grate		PFOA	PFOS
	8/10/2023	438	2740
	8/23/2023	360	3340
	5/14/2025	83.3	757
	7/21/2025	11	70
	8/26/2025	5.2	42
OF-7A		PFOA	PFOS
	8/10/2023	409	1770
	8/23/2023	335	2280
	5/14/2025	74	554
	7/21/2025	33	440
	8/26/2025	16.1	180
E-10		PFOA	PFOS
	10/26/2022	183	791
	12/28/2022	121	604
	4/18/2023	135	532
	7/21/2025	33	234
	8/26/2025	26	190

**Trend of Surface Water Sampling Results @ Outfall OF-7
Westchester County Airport / NYSDEC BCP Site No. C360174
240 Airport Road, West Harrison, New York 10604**



Appendix D

Analytical Sample Results



Technical Report

prepared for:

Terracon Consultants, Inc.
201 Hammer Mill Rd
Rocky Hill CT, 06067
Attention: Don Pomeroy

Report Date: 10/08/2025
Client Project ID: HPN Outfall OF-7 J2257015, Task 7
York Project (SDG) No.: 25I1629

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



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

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 10/08/2025
Client Project ID: HPN Outfall OF-7 J2257015, Task 7
York Project (SDG) No.: 25I1629

Terracon Consultants, Inc.
201 Hammer Mill Rd
Rocky Hill CT, 06067
Attention: Don Pomeroy

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 September 24, 2025 and listed below. The project was identified as your project: **HPN Outfall OF-7 J2257015, Task 7.**

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
25I1629-01	TS 0F-7 GAC 3	Water	09/24/2025	09/24/2025
25I1629-02	TS 0F-7 GAC 2	Water	09/24/2025	09/24/2025
25I1629-03	TS 0F-7 GAC 1	Water	09/24/2025	09/24/2025
25I1629-04	TS 0F-7 INF 1	Surface Water	09/24/2025	09/24/2025
25I1629-05	Trip Blank	Water	09/24/2025	09/24/2025

General Notes for York Project (SDG) No.: 2511629

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

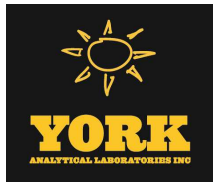
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 10/08/2025





Sample Information

Client Sample ID: TS 0F-7 GAC 3

York Sample ID: 25I1629-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25I1629

HPN Outfall OF-7 J2257015, Task 7

Water

September 24, 2025 11:07 am

09/24/2025

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	QL-02	ug/L	0.216	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
79-00-5	1,1,2-Trichloroethane	ND	QL-02	ug/L	0.249	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE	ug/L	0.222	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
95-63-6	1,2,4-Trimethylbenzene	1.90		ug/L	0.310	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
108-67-8	1,3,5-Trimethylbenzene	0.360	J	ug/L	0.347	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
106-46-7	1,4-Dichlorobenzene	ND	QL-02	ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
78-93-3	2-Butanone	0.610		ug/L	0.421	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB



Sample Information

Client Sample ID: TS 0F-7 GAC 3

York Sample ID: 25I1629-01

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 11:07 am

Date Received

09/24/2025

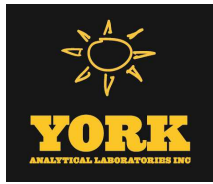
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
67-64-1	Acetone	6.04		ug/L	1.34	2.00	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
74-83-9	Bromomethane	ND		ug/L	0.500	2.00	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
75-15-0	Carbon disulfide	1.16		ug/L	0.362	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
108-90-7	Chlorobenzene	ND	QL-02	ug/L	0.284	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB



Sample Information

Client Sample ID: TS 0F-7 GAC 3

York Sample ID: 2511629-01

York Project (SDG) No.

2511629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 11:07 am

Date Received

09/24/2025

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
91-20-3	Naphthalene	8.25		ug/L	0.212	2.00	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
179601-23-1	p- & m- Xylenes	0.600	J, B	ug/L	0.578	1.00	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
105-05-5	* p-Diethylbenzene	1.03		ug/L	0.341	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
622-96-8	* p-Ethyltoluene	0.460	J, QL-02	ug/L	0.200	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
79-01-6	Trichloroethylene	ND	QL-02	ug/L	0.249	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:01	PMB



Sample Information

Client Sample ID: TS 0F-7 GAC 3

York Sample ID: 2511629-01

York Project (SDG) No.

2511629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 11:07 am

Date Received

09/24/2025

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:01	PMB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:01	PMB
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: <i>SURR:</i> <i>1,2-Dichloroethane-d4</i>	102 %			69-130						
2037-26-5	Surrogate: <i>SURR:</i> <i>Toluene-d8</i>	96.0 %			81-117						
460-00-4	Surrogate: <i>SURR:</i> <i>p-Bromofluorobenzene</i>	102 %			79-122						

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.44	1.60	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.451	1.81	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.632	1.81	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.804	1.65	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.903	1.81	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.686	1.68	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.894	1.81	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.515	1.81	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.641	1.81	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.542	1.81	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	1.08	1.81	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.43	1.81	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.451	1.81	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
2991-50-6	N-EtFOSAA	ND		ng/L	4.51	4.51	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.804	3.61	1	EPA 1633A Certifications:	09/30/2025 08:27 NYSDOH-NY12058	10/02/2025 22:39	AM



Sample Information

Client Sample ID: TS 0F-7 GAC 3

York Sample ID: 25I1629-01

York Project (SDG) No.

Client Project ID

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HPN Outfall OF-7 J2257015, Task 7

Water

September 24, 2025 11:07 am

09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.334	1.81	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.280	1.72	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.560	1.74	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.51	6.86	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.03	6.93	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.47	7.22	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.451	3.21	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.71	3.61	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.632	3.61	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.26	3.61	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.677	1.70	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.55	6.77	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	4.51	7.22	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.01	6.83	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.48	6.75	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
919005-14-4	ADONA	ND		ng/L	2.68	6.83	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.804	1.75	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.677	1.73	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.13	9.03	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	22.6	45.1	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	20.8	45.1	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
24448-09-7	N-MeFOSE	ND		ng/L	6.41	18.1	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
31506-32-8	N-MeFOSA	ND		ng/L	1.81	1.81	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM



Sample Information

Client Sample ID: TS 0F-7 GAC 3

York Sample ID: 25I1629-01

York Project (SDG) No.
25I1629

Client Project ID
HPN Outfall OF-7 J2257015, Task 7

Matrix
Water

Collection Date/Time
September 24, 2025 11:07 am

Date Received
09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1691-99-2	N-EtFOSE	ND		ng/L	6.57	18.1	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
4151-50-2	N-EtFOSA	ND		ng/L	0.948	1.81	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 22:39	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	105 %	40-135								
338-30-1	Surrogate: M5PFHxA	88.2 %	40-130								
13C4PFHPA	Surrogate: M4PFHpA	93.9 %	40-130								
13C3PFHXS	Surrogate: M3PFHxS	96.2 %	40-130								
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	80.0 %	40-130								
13C6PFDA	Surrogate: M6PFDA	57.1 %	40-130								
13C7PFUNA	Surrogate: M7PFUdA	42.5 %	30-130								
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	32.0 %	10-130								
13C2PFTEDA	Surrogate: M2PFTeDA	24.1 %	10-130								
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	77.5 %	5-130								
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	59.9 %	40-130								
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	88.0 %	40-130								
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	71.6 %	40-130								
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	57.1 %	40-170								
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	49.3 %	25-135								
M2-6:2FTS	Surrogate: M2-6:2 FTS	102 %	40-200								
M2-8:2FTS	Surrogate: M2-8:2 FTS	68.2 %	40-300								
13C9PFNA	Surrogate: M9PFNA	78.9 %	40-130								
M2-4:2FTS	Surrogate: M2-4:2 FTS	111 %	40-200								
936109-37-4	Surrogate: d-N-MeFOSA	41.5 %	10-130								
936109-40-9	Surrogate: d-N-EtFOSA	35.9 %	10-130								
M3HFPO-DA	Surrogate: M3HFPO-DA	92.8 %	40-130								
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	33.1 %	10-130								
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	40.0 %	10-130								



Sample Information

Client Sample ID: TS 0F-7 GAC 2

York Sample ID: 25I1629-02

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 11:16 am

Date Received

09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.64	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.513	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.718	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.913	1.88	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.03	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.780	1.91	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	1.02	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.585	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.729	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.616	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	1.23	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.62	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.513	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
2991-50-6	N-EtFOSAA	ND		ng/L	5.13	5.13	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.913	4.11	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.380	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.318	1.96	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.636	1.98	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.13	7.80	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.31	7.88	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	25.7		ng/L	1.67	8.21	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.513	3.65	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	3.08	4.11	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM



Sample Information

Client Sample ID: TS 0F-7 GAC 2

York Sample ID: 25I1629-02

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 11:16 am

Date Received

09/24/2025

Q P PFAS, EPA 1633a Target List

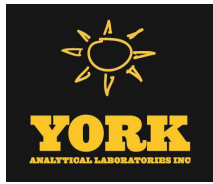
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.718	4.11	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.44	4.11	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.770	1.93	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.89	7.70	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	5.13	8.21	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.29	7.76	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.82	7.68	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
919005-14-4	ADONA	ND		ng/L	3.05	7.76	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.913	1.99	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.770	1.97	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.42	10.3	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	25.7	51.3	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	23.7	51.3	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
24448-09-7	N-MeFOSE	ND		ng/L	7.29	20.5	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
31506-32-8	N-MeFOA	ND		ng/L	2.05	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
1691-99-2	N-EtFOSE	ND		ng/L	7.47	20.5	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM
4151-50-2	N-EtFOA	ND		ng/L	1.08	2.05	1	EPA 1633A Certifications: NYSDOH-NY12058	10/06/2025 08:27	10/07/2025 16:45	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	124 %	40-135
338-30-1	Surrogate: M5PFHxA	122 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	110 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	111 %	40-130
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	115 %	40-130
13C6PFDA	Surrogate: M6PFDA	101 %	40-130
13C7PFUNA	Surrogate: M7PFUdA	104 %	30-130



Sample Information

Client Sample ID: TS 0F-7 GAC 2

York Sample ID: 25I1629-02

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 11:16 am

Date Received

09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	83.8 %			10-130						
13C2PFTEDA	Surrogate: M2PFTeDA	92.3 %			10-130						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	114 %			5-130						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	97.9 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	124 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	94.9 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	89.1 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	74.1 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	111 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	90.3 %			40-300						
13C9PFNA	Surrogate: M9PFNA	92.0 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	125 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	82.5 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	67.5 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	127 %			40-130						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	73.1 %			10-130						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	83.3 %			10-130						

Sample Information

Client Sample ID: TS 0F-7 GAC 1

York Sample ID: 25I1629-03

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 11:20 am

Date Received

09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.44	1.60	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	1.81		ng/L	0.451	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.668	J	ng/L	0.631	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.02	J	ng/L	0.803	1.65	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM



Sample Information

Client Sample ID: TS 0F-7 GAC 1

York Sample ID: 2511629-03

York Project (SDG) No.
2511629

Client Project ID
HPN Outfall OF-7 J2257015, Task 7

Matrix
Water

Collection Date/Time
September 24, 2025 11:20 am

Date Received
09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	1.31	J	ng/L	0.902	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.93		ng/L	0.685	1.68	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.893	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.514	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.911	J	ng/L	0.640	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.541	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	1.08	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.42	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.451	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
2991-50-6	N-EtFOSAA	ND		ng/L	4.51	4.51	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	45.5		ng/L	0.803	3.61	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.334	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.280	1.72	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.559	1.74	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.51	6.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.03	6.93	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	71.8		ng/L	1.47	7.21	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND		ng/L	0.451	3.21	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.71	3.61	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.631	3.61	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.26	3.61	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.676	1.70	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.54	6.76	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM



Sample Information

Client Sample ID: TS 0F-7 GAC 1

York Sample ID: 25I1629-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

25I1629

HPN Outfall OF-7 J2257015, Task 7

Water

September 24, 2025 11:20 am

09/24/2025

Q P PFAS, EPA 1633a Target List

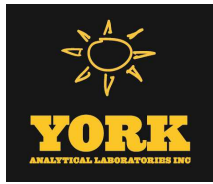
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	4.51	7.21	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.01	6.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.48	6.75	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
919005-14-4	ADONA	ND		ng/L	2.68	6.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.803	1.75	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.676	1.73	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.13	9.02	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	22.5	45.1	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	20.8	45.1	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
24448-09-7	N-MeFOSE	ND		ng/L	6.40	18.0	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
31506-32-8	N-MeFOSA	ND		ng/L	1.80	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
1691-99-2	N-EtFOSE	ND		ng/L	6.57	18.0	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM
4151-50-2	N-EtFOSA	ND		ng/L	0.947	1.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:06	AM

Surrogate Recoveries		Result	Acceptance Range
M3PFBS	Surrogate: M3PFBS	131 %	40-135
338-30-1	Surrogate: M5PFHxA	116 %	40-130
13C4PFHPA	Surrogate: M4PFHpA	115 %	40-130
13C3PFHXS	Surrogate: M3PFHxS	126 %	40-130
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	116 %	40-130
13C6PFDA	Surrogate: M6PFDA	96.1 %	40-130
13C7PFUNA	Surrogate: M7PFUdA	82.5 %	30-130
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	75.4 %	10-130
13C2PFTEDA	Surrogate: M2PFTeDA	70.2 %	10-130
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	110 %	5-130
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	102 %	40-130
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	113 %	40-130



Sample Information

Client Sample ID: TS 0F-7 GAC 1

York Sample ID: 25I1629-03

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 11:20 am

Date Received

09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	99.1 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	91.2 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	87.5 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	125 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	92.8 %			40-300						
13C9PFNA	Surrogate: M9PFNA	115 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	132 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	73.7 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	76.7 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	122 %			40-130						
D9-NETPFOSAI	Surrogate: d9-N-EtFOSE	90.0 %			10-130						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	92.1 %			10-130						

Sample Information

Client Sample ID: TS 0F-7 INF 1

York Sample ID: 25I1629-04

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Surface Water

Collection Date/Time

September 24, 2025 11:25 am

Date Received

09/24/2025

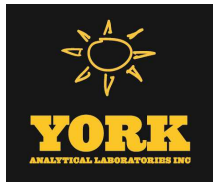
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	QL-02	ug/L	0.216	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
79-00-5	1,1,2-Trichloroethane	ND	QL-02	ug/L	0.249	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
87-61-6	1,2,3-Trichlorobenzene	ND	CCVE	ug/L	0.222	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB



Sample Information

Client Sample ID: TS 0F-7 INF 1

York Sample ID: 25I1629-04

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Surface Water

Collection Date/Time

September 24, 2025 11:25 am

Date Received

09/24/2025

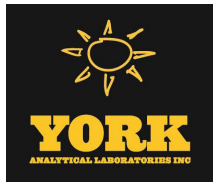
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	09/27/2025 14:30	PMB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	09/27/2025 14:30	PMB
95-63-6	1,2,4-Trimethylbenzene	0.430	J	ug/L	0.310	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	09/27/2025 14:30	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
106-93-4	1,2-Dibromoethane	ND	QL-02	ug/L	0.215	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
541-73-1	1,3-Dichlorobenzene	ND	QL-02	ug/L	0.283	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	09/27/2025 14:30	PMB
106-46-7	1,4-Dichlorobenzene	ND	QL-02	ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
67-64-1	Acetone	ND		ug/L	1.34	2.00	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6f	09/27/2025 14:30	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB
74-83-9	Bromomethane	ND		ug/L	0.500	2.00	1	EPA 8260D Certifications:	09/27/2025 08:00 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/27/2025 14:30	PMB



Sample Information

Client Sample ID: TS 0F-7 INF 1

York Sample ID: 25I1629-04

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Surface Water

Collection Date/Time

September 24, 2025 11:25 am

Date Received

09/24/2025

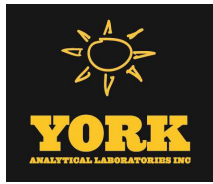
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
108-90-7	Chlorobenzene	ND	QL-02	ug/L	0.284	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
156-59-2	cis-1,2-Dichloroethylene	0.550		ug/L	0.294	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
75-09-2	Methylene chloride	ND		ug/L	0.397	2.00	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
91-20-3	Naphthalene	3.22		ug/L	0.212	2.00	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB



Sample Information

Client Sample ID: TS 0F-7 INF 1

York Sample ID: 2511629-04

York Project (SDG) No.

2511629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Surface Water

Collection Date/Time

September 24, 2025 11:25 am

Date Received

09/24/2025

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
622-96-8	* p-Ethyltoluene	ND	QL-02	ug/L	0.200	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
79-01-6	Trichloroethylene	ND	QL-02	ug/L	0.249	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications:	09/27/2025 08:00	09/27/2025 14:30	PMB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	96.0 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	79-122								

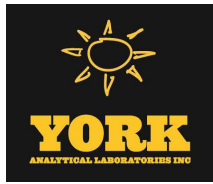
Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	51.8		ng/L	1.48	1.64	1	EPA 1633A Certifications:	09/30/2025 08:27	10/02/2025 23:20	AM
									NYSDOH-NY12058		



Sample Information

Client Sample ID: TS 0F-7 INF 1

York Sample ID: 25I1629-04

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Surface Water

Collection Date/Time

September 24, 2025 11:25 am

Date Received

09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-24-4	Perfluorohexanoic acid (PFHxA)	271		ng/L	0.462	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	173		ng/L	0.647	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	939		ng/L	0.823	1.69	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
335-67-1	Perfluorooctanoic acid (PFOA)	719		ng/L	0.925	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3410		ng/L	0.703	1.72	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
375-95-1	Perfluorononanoic acid (PFNA)	221		ng/L	0.915	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
335-76-2	Perfluorodecanoic acid (PFDA)	11.7		ng/L	0.527	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	52.4		ng/L	0.656	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.555	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
72629-94-8	Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	1.11	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.46	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.462	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
2991-50-6	N-EtFOSAA	ND		ng/L	4.62	4.62	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	358		ng/L	0.823	3.70	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	20.2		ng/L	0.342	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	66.1		ng/L	0.287	1.77	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	1.27	J	ng/L	0.573	1.78	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	334		ng/L	4.62	7.03	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	50.5		ng/L	2.08	7.10	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	92.5		ng/L	1.51	7.40	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.462	3.29	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.77	3.70	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM



Sample Information

Client Sample ID: TS 0F-7 INF 1

York Sample ID: 25I1629-04

York Project (SDG) No.
25I1629

Client Project ID
HPN Outfall OF-7 J2257015, Task 7

Matrix
Surface Water

Collection Date/Time
September 24, 2025 11:25 am

Date Received
09/24/2025

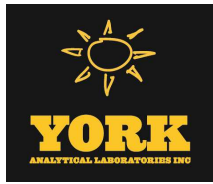
Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.647	3.70	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.29	3.70	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	82.9		ng/L	0.693	1.74	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.61	6.93	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	4.62	7.40	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.06	6.99	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.54	6.92	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
919005-14-4	ADONA	ND		ng/L	2.75	6.99	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.823	1.79	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.693	1.78	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.18	9.25	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	23.1	46.2	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	21.3	46.2	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
24448-09-7	N-MeFOSE	ND		ng/L	6.56	18.5	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
31506-32-8	N-MeFOSA	ND		ng/L	1.85	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
1691-99-2	N-EtFOSE	ND		ng/L	6.73	18.5	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
4151-50-2	N-EtFOSA	ND		ng/L	0.971	1.85	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:20	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	124 %	40-135								
338-30-1	Surrogate: M5PFHxA	108 %	40-130								
13C4PFHPA	Surrogate: M4PFHpA	97.3 %	40-130								
13C3PFHXS	Surrogate: M3PFHxS	104 %	40-130								
13C8PFOA	Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	102 %	40-130								
13C6PFDA	Surrogate: M6PFDA	87.7 %	40-130								
13C7PFUNA	Surrogate: M7PFUdA	93.5 %	30-130								



Sample Information

Client Sample ID: TS 0F-7 INF 1

York Sample ID: 25I1629-04

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Surface Water

Collection Date/Time

September 24, 2025 11:25 am

Date Received

09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
960315-52-0	Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	85.8 %			10-130						
13C2PFTEDA	Surrogate: M2PFTeDA	64.7 %			10-130						
13C4PFBA	Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.8 %			5-130						
13C8PFOS	Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	92.7 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	94.6 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	126 %			40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	114 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	106 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	149 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	126 %			40-300						
13C9PFNA	Surrogate: M9PFNA	98.2 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	197 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	86.7 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	75.3 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	134 %	PFSu-H		40-130						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	107 %			10-130						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	107 %			10-130						

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 25I1629-05

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 12:55 pm

Date Received

09/24/2025

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.216	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08	09/26/2025 22:18	PMB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.266	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08	09/26/2025 22:18	PMB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.256	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08	09/26/2025 22:18	PMB



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 25I1629-05

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 12:55 pm

Date Received

09/24/2025

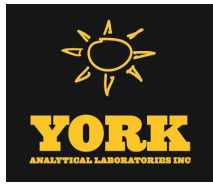
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.286	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.272	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.222	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.273	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.138	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.310	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.432	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.215	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.270	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.327	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.347	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.283	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
142-28-9	1,3-Dichloropropane	ND		ug/L	0.260	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.311	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
78-93-3	2-Butanone	ND		ug/L	0.421	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
591-78-6	2-Hexanone	ND		ug/L	0.320	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.365	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
67-64-1	Acetone	3.08		ug/L	1.34	2.00	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	09/26/2025 22:18	PMB
107-02-8	Acrolein	ND		ug/L	0.447	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
107-13-1	Acrylonitrile	ND		ug/L	0.422	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 25I1629-05

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 12:55 pm

Date Received

09/24/2025

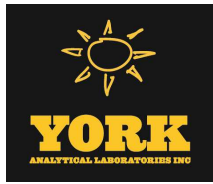
VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
74-97-5	Bromochloromethane	ND		ug/L	0.354	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB
75-27-4	Bromodichloromethane	ND		ug/L	0.245	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
75-25-2	Bromoform	ND		ug/L	0.163	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
74-83-9	Bromomethane	ND	CCVE	ug/L	0.500	2.00	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
75-15-0	Carbon disulfide	ND		ug/L	0.362	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
56-23-5	Carbon tetrachloride	ND		ug/L	0.204	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
108-90-7	Chlorobenzene	ND		ug/L	0.284	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
75-00-3	Chloroethane	ND		ug/L	0.448	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
67-66-3	Chloroform	ND		ug/L	0.243	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
74-87-3	Chloromethane	ND		ug/L	0.372	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.294	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.262	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
110-82-7	Cyclohexane	ND		ug/L	0.491	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB
124-48-1	Dibromochloromethane	ND		ug/L	0.146	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
74-95-3	Dibromomethane	ND		ug/L	0.203	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.451	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB
100-41-4	Ethyl Benzene	ND		ug/L	0.290	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.241	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB
98-82-8	Isopropylbenzene	ND		ug/L	0.405	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
79-20-9	Methyl acetate	ND		ug/L	0.442	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.244	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 22:18	PMB
108-87-2	Methylcyclohexane	ND		ug/L	0.477	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08 NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 22:18	PMB



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 25I1629-05

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 12:55 pm

Date Received

09/24/2025

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	0.490	J, B	ug/L	0.397	2.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEI	09/26/2025 07:08	09/26/2025 22:18	PMB
91-20-3	Naphthalene	ND		ug/L	0.212	2.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 07:08	09/26/2025 22:18	PMB
104-51-8	n-Butylbenzene	ND		ug/L	0.399	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
103-65-1	n-Propylbenzene	ND		ug/L	0.384	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
95-47-6	o-Xylene	ND		ug/L	0.261	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	09/26/2025 07:08	09/26/2025 22:18	PMB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.578	1.00	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,PADEP	09/26/2025 07:08	09/26/2025 22:18	PMB
105-05-5	* p-Diethylbenzene	ND		ug/L	0.341	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08	09/26/2025 22:18	PMB
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260D Certifications:	09/26/2025 07:08	09/26/2025 22:18	PMB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.377	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
135-98-8	sec-Butylbenzene	ND		ug/L	0.444	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
100-42-5	Styrene	ND		ug/L	0.255	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.608	1.00	1	EPA 8260D Certifications: NYSDOH-NY10854,NYSDOH-NY12058,NJDEP-CT005,PADEP-6I	09/26/2025 07:08	09/26/2025 22:18	PMB
98-06-6	tert-Butylbenzene	ND		ug/L	0.367	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	0.239	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
108-88-3	Toluene	ND		ug/L	0.346	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.279	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.229	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
79-01-6	Trichloroethylene	ND		ug/L	0.249	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.337	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
75-01-4	Vinyl Chloride	ND		ug/L	0.469	0.500	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
1330-20-7	Xylenes, Total	ND		ug/L	0.839	1.50	1	EPA 8260D Certifications: CTDPH-PH-0840,NYSDOH-NY10854,NYSDOH-NY12058,NJDEP	09/26/2025 07:08	09/26/2025 22:18	PMB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	95.6 %	81-117								



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 2511629-05

York Project (SDG) No.

2511629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 12:55 pm

Date Received

09/24/2025

VOA, 8260 LOW MASTER

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

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

O P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.46	1.61	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.455	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.637	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.809	1.66	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	0.909	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.691	1.69	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
375-95-1	Perfluorononanoic acid (PFNA)	ND		ng/L	0.900	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
335-76-2	Perfluorodecanoic acid (PFDA)	ND		ng/L	0.518	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.646	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.546	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	1.09	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.44	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
2355-31-9	N-MeFOSAA	ND		ng/L	0.455	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
2991-50-6	N-EtFOSAA	ND		ng/L	4.55	4.55	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.809	3.64	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
754-91-6	Perfluoro-1-octanesulfonamide (FOSA)	0.555	J	ng/L	0.336	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.282	1.74	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
335-77-3	Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.564	1.76	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.55	6.91	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 25I1629-05

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 12:55 pm

Date Received

09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.05	6.98	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.48	7.28	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	ND		ng/L	0.455	3.24	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
151772-58-6	Perfluoro-3,6-dioxahexanoic acid (NFDHA)	ND		ng/L	2.73	3.64	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		ng/L	0.637	3.64	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		ng/L	1.27	3.64	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		ng/L	0.682	1.71	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		ng/L	2.56	6.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
13252-13-6	HFPO-DA (Gen-X)	ND		ng/L	4.55	7.28	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
763051-92-9	11CL-PF3OUdS	ND		ng/L	2.03	6.88	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
756426-58-1	9CL-PF3ONS	ND		ng/L	2.50	6.80	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
919005-14-4	ADONA	ND		ng/L	2.70	6.88	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
79780-39-5	Perfluorododecanesulfonic acid (PFDoS)	ND		ng/L	0.809	1.76	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
68259-12-1	Perfluoro-1-nonanesulfonic acid (PFNS)	ND		ng/L	0.682	1.75	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
356-02-5	4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND		ng/L	2.15	9.09	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND		ng/L	22.7	45.5	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
812-70-4	2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND		ng/L	21.0	45.5	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
24448-09-7	N-MeFOSE	ND		ng/L	6.46	18.2	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
31506-32-8	N-MeFOSA	ND		ng/L	1.82	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
1691-99-2	N-EtFOSE	ND		ng/L	6.62	18.2	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
4151-50-2	N-EtFOSA	ND		ng/L	0.955	1.82	1	EPA 1633A Certifications: NYSDOH-NY12058	09/30/2025 08:27	10/02/2025 23:34	AM
Surrogate Recoveries		Result	Acceptance Range								
M3PFBS	Surrogate: M3PFBS	121 %	40-135								
338-30-1	Surrogate: M5PFHxA	109 %	40-130								



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 25I1629-05

York Project (SDG) No.

25I1629

Client Project ID

HPN Outfall OF-7 J2257015, Task 7

Matrix

Water

Collection Date/Time

September 24, 2025 12:55 pm

Date Received

09/24/2025

Q P PFAS, EPA 1633a Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 1633 Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
13C4PFHPA	Surrogate: M4PFHPA	106 %			40-130						
13C3PFHXS	Surrogate: M3PFHXS	109 %			40-130						
13C8PFOA	Surrogate: Perfluoro-n- [13C8]octanoic acid (M8PFOA)	106 %			40-130						
13C6PFDA	Surrogate: M6PFDA	105 %			40-130						
13C7PFUNA	Surrogate: M7PFUdA	98.9 %			30-130						
960315-52-0	Surrogate: Perfluoro-n- [1,2-13C2]dodecanoic acid (MPFDoA)	74.4 %			10-130						
13C2PFTEDA	Surrogate: M2PFTeDA	45.7 %			10-130						
13C4PFBA	Surrogate: Perfluoro-n- [13C4]butanoic acid (MPFBA)	104 %			5-130						
13C8PFOS	Surrogate: Perfluoro-1- [13C8]octanesulfonic acid (M8PFOS)	118 %			40-130						
13C5PFPEA	Surrogate: Perfluoro-n- [13C5]pentanoic acid (M5PFPeA)	109 %			40-130						
13C8FOSA	Surrogate: Perfluoro-1- [13C8]octanesulfonamide (M8FOSA)	132 %	PFSu-H		40-130						
D3-NMEFOSAA	Surrogate: d3-N-MeFOSAA	113 %			40-170						
D5-NETFOSAA	Surrogate: d5-N-EtFOSAA	111 %			25-135						
M2-6:2FTS	Surrogate: M2-6:2 FTS	121 %			40-200						
M2-8:2FTS	Surrogate: M2-8:2 FTS	106 %			40-300						
13C9PFNA	Surrogate: M9PFNA	102 %			40-130						
M2-4:2FTS	Surrogate: M2-4:2 FTS	117 %			40-200						
936109-37-4	Surrogate: d-N-MeFOSA	101 %			10-130						
936109-40-9	Surrogate: d-N-EtFOSA	87.6 %			10-130						
M3HFPO-DA	Surrogate: M3HFPO-DA	114 %			40-130						
D9-NETPFOSA	Surrogate: d9-N-EtFOSE	91.5 %			10-130						
D7-NMEPFOSA	Surrogate: d7-N-MeFOSE	97.0 %			10-130						



Analytical Batch Summary

Batch ID: BI51925 **Preparation Method:** EPA 5030B **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
25I1629-05	Trip Blank	09/26/25
BI51925-BLK1	Blank	09/26/25
BI51925-BS1	LCS	09/26/25
BI51925-BSD1	LCS Dup	09/26/25

Batch ID: BI51953 **Preparation Method:** EPA 5030B **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
25I1629-01	TS 0F-7 GAC 3	09/27/25
25I1629-04	TS 0F-7 INF 1	09/27/25
BI51953-BLK1	Blank	09/27/25
BI51953-BS1	LCS	09/27/25
BI51953-BSD1	LCS Dup	09/27/25

Batch ID: BI52089 **Preparation Method:** EPA 1633 Prep **Prepared By:** RC

YORK Sample ID	Client Sample ID	Preparation Date
25I1629-01	TS 0F-7 GAC 3	09/30/25
25I1629-02	TS 0F-7 GAC 2	09/30/25
25I1629-03	TS 0F-7 GAC 1	09/30/25
25I1629-04	TS 0F-7 INF 1	09/30/25
25I1629-05	Trip Blank	09/30/25
BI52089-BLK1	Blank	09/30/25
BI52089-BS1	LCS	09/30/25
BI52089-BS2	LCS	09/30/25

Batch ID: BJ50360 **Preparation Method:** EPA 1633 Prep **Prepared By:** MPR

YORK Sample ID	Client Sample ID	Preparation Date
25I1629-02RE1	TS 0F-7 GAC 2	10/06/25
BJ50360-BLK1	Blank	10/06/25
BJ50360-BS1	LCS	10/06/25
BJ50360-BS2	LCS	10/06/25



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI51925 - EPA 5030B

Blank (BI51925-BLK1)

Prepared & Analyzed: 09/26/2025

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,2,3-Trichlorobenzene	0.250	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
2-Butanone	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	2.00	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	0.310	0.500	"
Hexachlorobutadiene	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylcyclohexane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI51925 - EPA 5030B

Blank (BI51925-BLK1)

Prepared & Analyzed: 09/26/2025

Methylene chloride	0.880	2.00	ug/L
Naphthalene	0.310	2.00	"
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"
o-Xylene	0.470	0.500	"
p- & m- Xylenes	1.62	1.00	"
p-Diethylbenzene	ND	0.500	"
p-Ethyltoluene	ND	0.500	"
p-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Butyl alcohol (TBA)	ND	1.00	"
tert-Butylbenzene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"
Trichloroethylene	ND	0.500	"
Trichlorofluoromethane	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	2.09	1.50	"

Surrogate: SURR: 1,2-Dichloroethane-d4

9.80

"

10.0

98.0

69-130

Surrogate: SURR: Toluene-d8

9.73

"

10.0

97.3

81-117

Surrogate: SURR: p-Bromofluorobenzene

10.4

"

10.0

104

79-122

LCS (BI51925-BS1)

Prepared & Analyzed: 09/26/2025

1,1,1,2-Tetrachloroethane	9.81		ug/L	10.0	98.1	82-126
1,1,1-Trichloroethane	10.6		"	10.0	106	78-136
1,1,2,2-Tetrachloroethane	10.3		"	10.0	103	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.80		"	10.0	98.0	54-165
1,1,2-Trichloroethane	9.94		"	10.0	99.4	82-123
1,1-Dichloroethane	10.1		"	10.0	101	82-129
1,1-Dichloroethylene	10.1		"	10.0	101	68-138
1,2,3-Trichlorobenzene	11.6		"	10.0	116	76-136
1,2,3-Trichloropropane	10.3		"	10.0	103	77-128
1,2,4-Trichlorobenzene	10.8		"	10.0	108	76-137
1,2,4-Trimethylbenzene	10.7		"	10.0	107	82-132
1,2-Dibromo-3-chloropropane	10.9		"	10.0	109	45-147
1,2-Dibromoethane	10.0		"	10.0	100	83-124
1,2-Dichlorobenzene	10.1		"	10.0	101	79-123
1,2-Dichloroethane	10.3		"	10.0	103	73-132
1,2-Dichloropropane	9.82		"	10.0	98.2	78-126
1,3,5-Trimethylbenzene	10.8		"	10.0	108	80-131
1,3-Dichlorobenzene	10.1		"	10.0	101	86-122
1,3-Dichloropropane	9.78		"	10.0	97.8	81-125
1,4-Dichlorobenzene	10.2		"	10.0	102	85-124
2-Butanone	10.5		"	10.0	105	49-152
2-Hexanone	8.83		"	10.0	88.3	51-146
4-Methyl-2-pentanone	8.98		"	10.0	89.8	57-145
Acetone	8.40		"	10.0	84.0	14-150



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 BI51925 - EPA 5030B											
LCS (BI51925-BS1)						Prepared & Analyzed: 09/26/2025					
Acrolein	15.6		ug/L	10.0		156	10-153	High Bias			
Acrylonitrile	9.32		"	10.0		93.2	51-150				
Benzene	10.5		"	10.0		105	85-126				
Bromochloromethane	10.0		"	10.0		100	77-128				
Bromodichloromethane	9.92		"	10.0		99.2	79-128				
Bromoform	9.67		"	10.0		96.7	78-133				
Bromomethane	10.8		"	10.0		108	43-168				
Carbon disulfide	8.96		"	10.0		89.6	68-146				
Carbon tetrachloride	10.5		"	10.0		105	77-141				
Chlorobenzene	10.0		"	10.0		100	88-120				
Chloroethane	12.1		"	10.0		121	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	7.16		"	10.0		71.6	43-155				
cis-1,2-Dichloroethylene	10.5		"	10.0		105	83-129				
cis-1,3-Dichloropropylene	10.3		"	10.0		103	80-131				
Cyclohexane	9.83		"	10.0		98.3	63-149				
Dibromochloromethane	9.86		"	10.0		98.6	80-130				
Dibromomethane	9.85		"	10.0		98.5	72-134				
Dichlorodifluoromethane	5.38		"	10.0		53.8	44-144				
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	9.99		"	10.0		99.9	67-146				
Isopropylbenzene	10.5		"	10.0		105	76-140				
Methyl acetate	14.7		"	10.0		147	51-139	High Bias			
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135				
Methyleyclohexane	9.82		"	10.0		98.2	72-143				
Methylene chloride	9.12		"	10.0		91.2	55-137				
Naphthalene	11.6		"	10.0		116	70-147				
n-Butylbenzene	10.8		"	10.0		108	79-132				
n-Propylbenzene	10.5		"	10.0		105	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	21.6		"	20.0		108	77-133				
p-Diethylbenzene	11.2		"	10.0		112	84-134				
p-Ethyltoluene	11.0		"	10.0		110	88-129				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butyl alcohol (TBA)	45.9		"	50.0		91.9	25-162				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	7.83		"	10.0		78.3	82-131	Low Bias			
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131				
Trichloroethylene	9.61		"	10.0		96.1	82-128				
Trichlorofluoromethane	9.37		"	10.0		93.7	67-139				
Vinyl Chloride	7.81		"	10.0		78.1	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.72		"	10.0		97.2	69-130				
Surrogate: SURR: Toluene-d8	9.65		"	10.0		96.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI51925 - EPA 5030B											
LCS Dup (BI51925-BSD1)						Prepared & Analyzed: 09/26/2025					
1,1,1,2-Tetrachloroethane	9.78		ug/L	10.0		97.8	82-126		0.306	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136		1.14	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129		1.35	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.66		"	10.0		96.6	54-165		1.44	30	
1,1,2-Trichloroethane	9.95		"	10.0		99.5	82-123		0.101	30	
1,1-Dichloroethane	9.87		"	10.0		98.7	82-129		1.91	30	
1,1-Dichloroethylene	9.93		"	10.0		99.3	68-138		1.40	30	
1,2,3-Trichlorobenzene	11.4		"	10.0		114	76-136		1.57	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		0.777	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		2.06	30	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132		0.560	30	
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	45-147		0.460	30	
1,2-Dibromoethane	10.1		"	10.0		101	83-124		0.794	30	
1,2-Dichlorobenzene	9.98		"	10.0		99.8	79-123		0.997	30	
1,2-Dichloroethane	10.4		"	10.0		104	73-132		1.16	30	
1,2-Dichloropropane	9.78		"	10.0		97.8	78-126		0.408	30	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131		1.77	30	
1,3-Dichlorobenzene	9.90		"	10.0		99.0	86-122		1.90	30	
1,3-Dichloropropane	9.84		"	10.0		98.4	81-125		0.612	30	
1,4-Dichlorobenzene	9.90		"	10.0		99.0	85-124		2.69	30	
2-Butanone	10.5		"	10.0		105	49-152		0.667	30	
2-Hexanone	8.99		"	10.0		89.9	51-146		1.80	30	
4-Methyl-2-pentanone	9.19		"	10.0		91.9	57-145		2.31	30	
Acetone	7.80		"	10.0		78.0	14-150		7.41	30	
Acrolein	15.4		"	10.0		154	10-153	High Bias	1.03	30	
Acrylonitrile	8.76		"	10.0		87.6	51-150		6.19	30	
Benzene	10.4		"	10.0		104	85-126		0.954	30	
Bromochloromethane	10.1		"	10.0		101	77-128		0.694	30	
Bromodichloromethane	9.93		"	10.0		99.3	79-128		0.101	30	
Bromoform	9.67		"	10.0		96.7	78-133		0.00	30	
Bromomethane	12.0		"	10.0		120	43-168		11.2	30	
Carbon disulfide	8.74		"	10.0		87.4	68-146		2.49	30	
Carbon tetrachloride	10.3		"	10.0		103	77-141		1.15	30	
Chlorobenzene	9.98		"	10.0		99.8	88-120		0.400	30	
Chloroethane	12.2		"	10.0		122	65-136		0.988	30	
Chloroform	10.2		"	10.0		102	82-128		0.685	30	
Chloromethane	7.05		"	10.0		70.5	43-155		1.55	30	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129		0.191	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		1.06	30	
Cyclohexane	9.64		"	10.0		96.4	63-149		1.95	30	
Dibromochloromethane	10.0		"	10.0		100	80-130		1.61	30	
Dibromomethane	9.88		"	10.0		98.8	72-134		0.304	30	
Dichlorodifluoromethane	5.20		"	10.0		52.0	44-144		3.40	30	
Ethyl Benzene	10.6		"	10.0		106	80-131		0.0948	30	
Hexachlorobutadiene	9.57		"	10.0		95.7	67-146		4.29	30	
Isopropylbenzene	10.3		"	10.0		103	76-140		1.92	30	
Methyl acetate	15.2		"	10.0		152	51-139	High Bias	3.28	30	
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135		1.97	30	
Methylcyclohexane	9.79		"	10.0		97.9	72-143		0.306	30	
Methylene chloride	9.17		"	10.0		91.7	55-137		0.547	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI51925 - EPA 5030B

LCS Dup (BI51925-BSD1)

Prepared & Analyzed: 09/26/2025

Naphthalene	11.4		ug/L	10.0		114	70-147		1.83	30	
n-Butylbenzene	10.6		"	10.0		106	79-132		1.40	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		1.44	30	
o-Xylene	10.9		"	10.0		109	78-130		0.737	30	
p- & m- Xylenes	22.2		"	20.0		111	77-133		2.97	30	
p-Diethylbenzene	11.0		"	10.0		110	84-134		1.80	30	
p-Ethyltoluene	10.8		"	10.0		108	88-129		1.92	30	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		2.20	30	
sec-Butylbenzene	10.3		"	10.0		103	79-137		1.06	30	
Styrene	9.95		"	10.0		99.5	67-132		0.601	30	
tert-Butyl alcohol (TBA)	48.9		"	50.0		97.7	25-162		6.20	30	
tert-Butylbenzene	10.2		"	10.0		102	77-138		1.56	30	
Tetrachloroethylene	7.75		"	10.0		77.5	82-131	Low Bias	1.03	30	
Toluene	10.2		"	10.0		102	80-127		1.46	30	
trans-1,2-Dichloroethylene	9.92		"	10.0		99.2	80-132		1.30	30	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131		0.484	30	
Trichloroethylene	9.48		"	10.0		94.8	82-128		1.36	30	
Trichlorofluoromethane	9.17		"	10.0		91.7	67-139		2.16	30	
Vinyl Chloride	7.69		"	10.0		76.9	58-145		1.55	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.78		"	10.0		97.8	69-130				
Surrogate: SURR: Toluene-d8	9.68		"	10.0		96.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				

Batch BI51953 - EPA 5030B

Blank (BI51953-BLK1)

Prepared & Analyzed: 09/27/2025

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI51953 - EPA 5030B

Blank (BI51953-BLK1)

Prepared & Analyzed: 09/27/2025

Acrylonitrile	ND	0.500	ug/L								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	0.370	0.500	"								
p- & m- Xylenes	1.21	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	1.58	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	9.96		"	10.0		99.6	69-130				
Surrogate: SURR: Toluene-d8	9.68		"	10.0		96.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.3		"	10.0		103	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 BI51953 - EPA 5030B											
LCS (BI51953-BS1)						Prepared & Analyzed: 09/27/2025					
1,1,1,2-Tetrachloroethane	8.17		ug/L	10.0		81.7	82-126	Low Bias			
1,1,1-Trichloroethane	9.25		"	10.0		92.5	78-136				
1,1,2,2-Tetrachloroethane	8.65		"	10.0		86.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.02		"	10.0		90.2	54-165				
1,1,2-Trichloroethane	8.16		"	10.0		81.6	82-123	Low Bias			
1,1-Dichloroethane	8.69		"	10.0		86.9	82-129				
1,1-Dichloroethylene	9.20		"	10.0		92.0	68-138				
1,2,3-Trichlorobenzene	8.72		"	10.0		87.2	76-136				
1,2,3-Trichloropropane	8.71		"	10.0		87.1	77-128				
1,2,4-Trichlorobenzene	8.48		"	10.0		84.8	76-137				
1,2,4-Trimethylbenzene	9.31		"	10.0		93.1	82-132				
1,2-Dibromo-3-chloropropane	8.94		"	10.0		89.4	45-147				
1,2-Dibromoethane	8.23		"	10.0		82.3	83-124	Low Bias			
1,2-Dichlorobenzene	8.48		"	10.0		84.8	79-123				
1,2-Dichloroethane	8.80		"	10.0		88.0	73-132				
1,2-Dichloropropane	8.24		"	10.0		82.4	78-126				
1,3,5-Trimethylbenzene	9.27		"	10.0		92.7	80-131				
1,3-Dichlorobenzene	8.55		"	10.0		85.5	86-122	Low Bias			
1,3-Dichloropropane	8.12		"	10.0		81.2	81-125				
1,4-Dichlorobenzene	8.56		"	10.0		85.6	85-124				
2-Butanone	8.90		"	10.0		89.0	49-152				
2-Hexanone	7.44		"	10.0		74.4	51-146				
4-Methyl-2-pentanone	7.58		"	10.0		75.8	57-145				
Acetone	7.18		"	10.0		71.8	14-150				
Acrolein	8.60		"	10.0		86.0	10-153				
Acrylonitrile	7.84		"	10.0		78.4	51-150				
Benzene	9.12		"	10.0		91.2	85-126				
Bromochloromethane	8.55		"	10.0		85.5	77-128				
Bromodichloromethane	8.26		"	10.0		82.6	79-128				
Bromoform	7.81		"	10.0		78.1	78-133				
Bromomethane	9.32		"	10.0		93.2	43-168				
Carbon disulfide	8.26		"	10.0		82.6	68-146				
Carbon tetrachloride	9.08		"	10.0		90.8	77-141				
Chlorobenzene	8.51		"	10.0		85.1	88-120	Low Bias			
Chloroethane	11.8		"	10.0		118	65-136				
Chloroform	8.79		"	10.0		87.9	82-128				
Chloromethane	8.02		"	10.0		80.2	43-155				
cis-1,2-Dichloroethylene	9.14		"	10.0		91.4	83-129				
cis-1,3-Dichloropropylene	8.56		"	10.0		85.6	80-131				
Cyclohexane	8.20		"	10.0		82.0	63-149				
Dibromochloromethane	8.12		"	10.0		81.2	80-130				
Dibromomethane	8.26		"	10.0		82.6	72-134				
Dichlorodifluoromethane	9.39		"	10.0		93.9	44-144				
Ethyl Benzene	9.07		"	10.0		90.7	80-131				
Hexachlorobutadiene	8.54		"	10.0		85.4	67-146				
Isopropylbenzene	8.93		"	10.0		89.3	76-140				
Methyl acetate	12.3		"	10.0		123	51-139				
Methyl tert-butyl ether (MTBE)	8.46		"	10.0		84.6	76-135				
Methylcyclohexane	8.09		"	10.0		80.9	72-143				
Methylene chloride	8.01		"	10.0		80.1	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
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Batch BI51953 - EPA 5030B

LCS (BI51953-BS1)

Prepared & Analyzed: 09/27/2025

Naphthalene	8.69		ug/L	10.0		86.9	70-147				
n-Butylbenzene	9.21		"	10.0		92.1	79-132				
n-Propylbenzene	8.94		"	10.0		89.4	78-133				
o-Xylene	9.29		"	10.0		92.9	78-130				
p- & m- Xylenes	18.9		"	20.0		94.3	77-133				
p-Diethylbenzene	9.16		"	10.0		91.6	84-134				
p-Ethyltoluene	8.83		"	10.0		88.3	88-129				
p-Isopropyltoluene	9.04		"	10.0		90.4	81-136				
sec-Butylbenzene	8.88		"	10.0		88.8	79-137				
Styrene	8.46		"	10.0		84.6	67-132				
tert-Butyl alcohol (TBA)	34.0		"	50.0		67.9	25-162				
tert-Butylbenzene	8.75		"	10.0		87.5	77-138				
Tetrachloroethylene	6.81		"	10.0		68.1	82-131	Low Bias			
Toluene	8.80		"	10.0		88.0	80-127				
trans-1,2-Dichloroethylene	8.83		"	10.0		88.3	80-132				
trans-1,3-Dichloropropylene	8.49		"	10.0		84.9	78-131				
Trichloroethylene	8.21		"	10.0		82.1	82-128				
Trichlorofluoromethane	9.26		"	10.0		92.6	67-139				
Vinyl Chloride	8.40		"	10.0		84.0	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.60		"	10.0		96.0	69-130				
Surrogate: SURR: Toluene-d8	9.63		"	10.0		96.3	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				

LCS Dup (BI51953-BSD1)

Prepared & Analyzed: 09/27/2025

1,1,1,2-Tetrachloroethane	8.25		ug/L	10.0		82.5	82-126		0.974	30	
1,1,1-Trichloroethane	8.88		"	10.0		88.8	78-136		4.08	30	
1,1,2,2-Tetrachloroethane	9.00		"	10.0		90.0	76-129		3.97	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.55		"	10.0		85.5	54-165		5.35	30	
1,1,2-Trichloroethane	8.43		"	10.0		84.3	82-123		3.25	30	
1,1-Dichloroethane	8.44		"	10.0		84.4	82-129		2.92	30	
1,1-Dichloroethylene	8.69		"	10.0		86.9	68-138		5.70	30	
1,2,3-Trichlorobenzene	9.93		"	10.0		99.3	76-136		13.0	30	
1,2,3-Trichloropropane	8.75		"	10.0		87.5	77-128		0.458	30	
1,2,4-Trichlorobenzene	8.90		"	10.0		89.0	76-137		4.83	30	
1,2,4-Trimethylbenzene	8.94		"	10.0		89.4	82-132		4.05	30	
1,2-Dibromo-3-chloropropane	9.56		"	10.0		95.6	45-147		6.70	30	
1,2-Dibromoethane	8.61		"	10.0		86.1	83-124		4.51	30	
1,2-Dichlorobenzene	8.51		"	10.0		85.1	79-123		0.353	30	
1,2-Dichloroethane	8.91		"	10.0		89.1	73-132		1.24	30	
1,2-Dichloropropane	8.29		"	10.0		82.9	78-126		0.605	30	
1,3,5-Trimethylbenzene	8.98		"	10.0		89.8	80-131		3.18	30	
1,3-Dichlorobenzene	8.41		"	10.0		84.1	86-122	Low Bias	1.65	30	
1,3-Dichloropropane	8.52		"	10.0		85.2	81-125		4.81	30	
1,4-Dichlorobenzene	8.43		"	10.0		84.3	85-124	Low Bias	1.53	30	
2-Butanone	9.19		"	10.0		91.9	49-152		3.21	30	
2-Hexanone	8.14		"	10.0		81.4	51-146		8.99	30	
4-Methyl-2-pentanone	8.25		"	10.0		82.5	57-145		8.46	30	
Acetone	7.39		"	10.0		73.9	14-150		2.88	30	
Acrolein	9.12		"	10.0		91.2	10-153		5.87	30	
Acrylonitrile	7.73		"	10.0		77.3	51-150		1.41	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 BI51953 - EPA 5030B											
LCS Dup (BI51953-BSD1)						Prepared & Analyzed: 09/27/2025					
Benzene	8.91		ug/L	10.0		89.1	85-126		2.33	30	
Bromochloromethane	8.65		"	10.0		86.5	77-128		1.16	30	
Bromodichloromethane	8.43		"	10.0		84.3	79-128		2.04	30	
Bromoform	8.40		"	10.0		84.0	78-133		7.28	30	
Bromomethane	9.49		"	10.0		94.9	43-168		1.81	30	
Carbon disulfide	7.86		"	10.0		78.6	68-146		4.96	30	
Carbon tetrachloride	8.73		"	10.0		87.3	77-141		3.93	30	
Chlorobenzene	8.53		"	10.0		85.3	88-120	Low Bias	0.235	30	
Chloroethane	11.3		"	10.0		113	65-136		4.31	30	
Chloroform	8.68		"	10.0		86.8	82-128		1.26	30	
Chloromethane	7.62		"	10.0		76.2	43-155		5.12	30	
cis-1,2-Dichloroethylene	8.93		"	10.0		89.3	83-129		2.32	30	
cis-1,3-Dichloropropylene	8.76		"	10.0		87.6	80-131		2.31	30	
Cyclohexane	7.79		"	10.0		77.9	63-149		5.13	30	
Dibromochloromethane	8.46		"	10.0		84.6	80-130		4.10	30	
Dibromomethane	8.58		"	10.0		85.8	72-134		3.80	30	
Dichlorodifluoromethane	8.86		"	10.0		88.6	44-144		5.81	30	
Ethyl Benzene	8.93		"	10.0		89.3	80-131		1.56	30	
Hexachlorobutadiene	8.29		"	10.0		82.9	67-146		2.97	30	
Isopropylbenzene	8.50		"	10.0		85.0	76-140		4.93	30	
Methyl acetate	13.2		"	10.0		132	51-139		6.73	30	
Methyl tert-butyl ether (MTBE)	8.86		"	10.0		88.6	76-135		4.62	30	
Methylcyclohexane	7.89		"	10.0		78.9	72-143		2.50	30	
Methylene chloride	8.00		"	10.0		80.0	55-137		0.125	30	
Naphthalene	9.44		"	10.0		94.4	70-147		8.27	30	
n-Butylbenzene	9.05		"	10.0		90.5	79-132		1.75	30	
n-Propylbenzene	8.56		"	10.0		85.6	78-133		4.34	30	
o-Xylene	9.38		"	10.0		93.8	78-130		0.964	30	
p- & m- Xylenes	19.0		"	20.0		94.8	77-133		0.529	30	
p-Diethylbenzene	8.84		"	10.0		88.4	84-134		3.56	30	
p-Ethyltoluene	8.48		"	10.0		84.8	88-129	Low Bias	4.04	30	
p-Isopropyltoluene	8.73		"	10.0		87.3	81-136		3.49	30	
sec-Butylbenzene	8.59		"	10.0		85.9	79-137		3.32	30	
Styrene	8.58		"	10.0		85.8	67-132		1.41	30	
tert-Butyl alcohol (TBA)	42.1		"	50.0		84.2	25-162		21.4	30	
tert-Butylbenzene	8.43		"	10.0		84.3	77-138		3.73	30	
Tetrachloroethylene	6.56		"	10.0		65.6	82-131	Low Bias	3.74	30	
Toluene	8.70		"	10.0		87.0	80-127		1.14	30	
trans-1,2-Dichloroethylene	8.52		"	10.0		85.2	80-132		3.57	30	
trans-1,3-Dichloropropylene	8.84		"	10.0		88.4	78-131		4.04	30	
Trichloroethylene	8.02		"	10.0		80.2	82-128	Low Bias	2.34	30	
Trichlorofluoromethane	8.81		"	10.0		88.1	67-139		4.98	30	
Vinyl Chloride	8.01		"	10.0		80.1	58-145		4.75	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.91		"	10.0		99.1	69-130				
Surrogate: SURR: Toluene-d8	9.75		"	10.0		97.5	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



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

York Analytical Laboratories, Inc.

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

Batch BI52089 - EPA 1633 Prep

Blank (BI52089-BLK1)

Prepared: 09/30/2025 Analyzed: 10/02/2025

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L
Perfluorohexanoic acid (PFHxA)	ND	2.00	"
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"
Perfluorooctanoic acid (PFOA)	ND	2.00	"
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"
Perfluorononanoic acid (PFNA)	ND	2.00	"
Perfluorodecanoic acid (PFDA)	ND	2.00	"
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"
Perfluorododecanoic acid (PFDoA)	ND	2.00	"
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"
N-MeFOSAA	ND	2.00	"
N-EtFOSAA	ND	5.00	"
Perfluoropentanoic acid (PFPeA)	ND	4.00	"
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	3.56	"
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	"
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"
HFPO-DA (Gen-X)	ND	8.00	"
11CL-PF3OUdS	ND	7.56	"
9CL-PF3ONS	ND	7.48	"
ADONA	ND	7.56	"
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	"
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	"
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	"
N-MeFOSE	ND	20.0	"
N-MeFOSA	ND	2.00	"
N-EtFOSE	ND	20.0	"
N-EtFOSA	ND	2.00	"

Surrogate: M3PFBS	27.0	"	23.3	116	40-135
Surrogate: M5PFHxA	26.9	"	25.0	108	40-130
Surrogate: M4PFHpA	25.8	"	25.0	103	40-130
Surrogate: M3PFHxS	24.9	"	23.7	105	40-130



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI52089 - EPA 1633 Prep

Blank (BI52089-BLK1)

Prepared: 09/30/2025 Analyzed: 10/02/2025

Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	25.2		ng/L	25.0		101	40-130				
Surrogate: M6PFDA	14.6		"	12.5		117	40-130				
Surrogate: M7PFUdA	13.2		"	12.5		105	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	13.4		"	12.5		108	10-130				
Surrogate: M2PFTeDA	11.9		"	12.5		94.9	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	96.4		"	100		96.4	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	23.8		"	23.9		99.2	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	53.3		"	50.0		107	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	27.8		"	25.0		111	40-130				
Surrogate: d3-N-MeFOSAA	57.0		"	50.0		114	40-170				
Surrogate: d5-N-EtFOSAA	56.8		"	50.0		114	25-135				
Surrogate: M2-6:2 FTS	61.6		"	47.5		130	40-200				
Surrogate: M2-8:2 FTS	53.9		"	48.0		112	40-300				
Surrogate: M9PFNA	12.3		"	12.5		98.1	40-130				
Surrogate: M2-4:2 FTS	59.8		"	46.9		127	40-200				
Surrogate: d-N-MeFOSA	23.0		"	25.0		92.0	10-130				
Surrogate: d-N-EtFOSA	19.2		"	25.0		76.9	10-130				
Surrogate: M3HFPO-DA	110		"	100		110	40-130				
Surrogate: d9-N-EtFOSE	224		"	250		89.5	10-130				
Surrogate: d7-N-MeFOSE	228		"	250		91.4	10-130				

LCS (BI52089-BS1)

Prepared: 09/30/2025 Analyzed: 10/02/2025

Perfluorobutanesulfonic acid (PFBS)	39.9	1.77	ng/L	35.4		113	60-145				
Perfluorohexanoic acid (PFHxA)	42.4	2.00	"	40.0		106	70-145				
Perfluoroheptanoic acid (PFHpA)	41.2	2.00	"	40.0		103	70-150				
Perfluorohexanesulfonic acid (PFHxS)	39.5	1.83	"	36.6		108	65-145				
Perfluorooctanoic acid (PFOA)	38.5	2.00	"	40.0		96.2	70-150				
Perfluorooctanesulfonic acid (PFOS)	37.3	1.86	"	37.2		100	55-150				
Perfluorononanoic acid (PFNA)	40.3	2.00	"	40.0		101	70-150				
Perfluorodecanoic acid (PFDA)	39.6	2.00	"	40.0		99.0	70-140				
Perfluoroundecanoic acid (PFUnA)	42.4	2.00	"	40.0		106	70-145				
Perfluorododecanoic acid (PFDoA)	43.5	2.00	"	40.0		109	70-140				
Perfluorotridecanoic acid (PFTriDA)	50.9	2.00	"	40.0		127	65-140				
Perfluorotetradecanoic acid (PFTA)	44.4	2.00	"	40.0		111	60-140				
N-MeFOSAA	49.2	2.00	"	40.0		123	50-140				
N-EtFOSAA	41.3	5.00	"	40.0		103	70-145				
Perfluoropentanoic acid (PFPeA)	85.0	4.00	"	80.0		106	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	41.8	2.00	"	40.0		105	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	39.6	1.91	"	38.2		104	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	35.3	1.93	"	38.6		91.4	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	155	7.60	"	152		102	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	178	7.68	"	154		116	60-150				
Perfluoro-n-butanoic acid (PFBA)	170	8.00	"	160		106	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	70.1	3.56	"	71.2		98.5	70-140				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI52089 - EPA 1633 Prep											
LCS (BI52089-BS1)						Prepared: 09/30/2025 Analyzed: 10/02/2025					
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	96.0	4.00	ng/L	80.0		120	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	87.7	4.00	"	80.0		110	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	87.0	4.00	"	80.0		109	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	41.0	1.88	"	37.6		109	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	135	7.50	"	150		90.2	70-145				
HFPO-DA (Gen-X)	84.0	8.00	"	80.0		105	70-140				
11CL-PF3OUdS	53.0	7.56	"	75.6		70.2	55-160				
9CL-PF3ONS	61.1	7.48	"	74.8		81.7	70-155				
ADONA	77.0	7.56	"	75.6		102	65-145				
Perfluorododecanesulfonic acid (PFDoS)	23.4	1.94	"	38.8		60.3	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	37.5	1.92	"	38.4		97.7	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	199	10.0	"	160		124	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	893	50.0	"	800		112	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	912	50.0	"	800		114	50-145				
N-MeFOSE	424	20.0	"	400		106	70-145				
N-MeFOSA	42.5	2.00	"	40.0		106	60-150				
N-EtFOSE	381	20.0	"	400		95.3	70-135				
N-EtFOSA	40.2	2.00	"	40.0		100	65-145				
Surrogate: M3PFBS	35.9		"	23.3		154	40-135				
Surrogate: M5PFHxA	34.9		"	25.0		140	40-130				
Surrogate: M4PFHpA	34.0		"	25.0		136	40-130				
Surrogate: M3PFHxS	33.8		"	23.7		143	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	33.2		"	25.0		133	40-130				
Surrogate: M6PFDA	18.1		"	12.5		145	40-130				
Surrogate: M7PFUdA	16.6		"	12.5		133	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	15.6		"	12.5		125	10-130				
Surrogate: M2PFTeDA	10.8		"	12.5		86.1	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	125		"	100		125	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	33.9		"	24.0		142	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	69.2		"	50.0		138	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	41.0		"	25.0		164	40-130				
Surrogate: d3-N-MeFOSAA	70.5		"	50.0		141	40-170				
Surrogate: d5-N-EtFOSAA	70.0		"	50.0		140	25-135				
Surrogate: M2-6:2 FTS	65.9		"	47.6		139	40-200				
Surrogate: M2-8:2 FTS	63.9		"	48.0		133	40-300				
Surrogate: M9PFNA	18.6		"	12.5		149	40-130				
Surrogate: M2-4:2 FTS	71.0		"	46.9		151	40-200				
Surrogate: d-N-MeFOSA	32.3		"	25.0		129	10-130				
Surrogate: d-N-EtFOSA	29.2		"	25.0		117	10-130				
Surrogate: M3HFPO-DA	141		"	100		141	40-130				
Surrogate: d9-N-EtFOSE	294		"	250		118	10-130				
Surrogate: d7-N-MeFOSE	298		"	250		119	10-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI52089 - EPA 1633 Prep											
LCS (BI52089-BS2)						Prepared: 09/30/2025 Analyzed: 10/02/2025					
Perfluorobutanesulfonic acid (PFBS)	3.45	1.77	ng/L	3.54		97.4	60-145				
Perfluorohexanoic acid (PFHxA)	3.75	2.00	"	4.00		93.8	70-145				
Perfluoroheptanoic acid (PFHpA)	3.91	2.00	"	4.00		97.7	70-150				
Perfluorohexanesulfonic acid (PFHxS)	3.69	1.83	"	3.66		101	65-145				
Perfluorooctanoic acid (PFOA)	3.62	2.00	"	4.00		90.5	70-150				
Perfluorooctanesulfonic acid (PFOS)	3.22	1.86	"	3.72		86.5	55-150				
Perfluorononanoic acid (PFNA)	3.03	2.00	"	4.00		75.7	70-150				
Perfluorodecanoic acid (PFDA)	3.74	2.00	"	4.00		93.6	70-140				
Perfluoroundecanoic acid (PFUnA)	3.79	2.00	"	4.00		94.8	70-145				
Perfluorododecanoic acid (PFDoA)	3.57	2.00	"	4.00		89.3	70-140				
Perfluorotridecanoic acid (PFTriDA)	3.63	2.00	"	4.00		90.7	65-140				
Perfluorotetradecanoic acid (PFTA)	3.45	2.00	"	4.00		86.1	60-140				
N-MeFOSAA	3.77	2.00	"	4.00		94.2	50-140				
N-EtFOSAA	3.55	5.00	"	4.00		88.7	70-145				
Perfluoropentanoic acid (PFPeA)	7.74	4.00	"	8.00		96.8	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	4.25	2.00	"	4.00		106	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.27	1.91	"	3.82		112	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.35	1.93	"	3.86		113	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	13.6	7.60	"	15.2		89.5	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	16.7	7.68	"	15.4		109	60-150				
Perfluoro-n-butanoic acid (PFBA)	15.7	8.00	"	16.0		98.3	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	6.46	3.56	"	7.12		90.7	70-140				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	8.80	4.00	"	8.00		110	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	8.37	4.00	"	8.00		105	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	8.20	4.00	"	8.00		103	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.94	1.88	"	3.76		105	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	12.4	7.50	"	15.0		82.4	70-145				
HFPO-DA (Gen-X)	8.43	8.00	"	8.00		105	70-140				
11CL-PF3OUdS	6.63	7.56	"	7.56		87.6	55-160				
9CL-PF3ONS	7.84	7.48	"	7.48		105	70-155				
ADONA	8.45	7.56	"	7.56		112	65-145				
Perfluorododecanesulfonic acid (PFDoS)	1.78	1.94	"	3.88		45.8	50-145	Low Bias			
Perfluoro-1-nonanesulfonic acid (PFNS)	3.89	1.92	"	3.84		101	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	19.3	10.0	"	16.0		121	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	80.0	50.0	"	80.0		100	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	82.1	50.0	"	80.0		103	50-145				
N-MeFOSE	36.8	20.0	"	40.0		91.9	70-145				
N-MeFOSA	3.48	2.00	"	4.00		87.1	60-150				
N-EtFOSE	41.0	20.0	"	40.0		102	70-135				
N-EtFOSA	4.30	2.00	"	4.00		107	65-145				
Surrogate: M3PFBS	36.8		"	23.3		158	40-135				
Surrogate: M5PFHxA	36.5		"	25.0		146	40-130				
Surrogate: M4PFHpA	34.6		"	25.0		138	40-130				
Surrogate: M3PFHxS	35.3		"	23.7		149	40-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI52089 - EPA 1633 Prep

LCS (BI52089-BS2)

Prepared: 09/30/2025 Analyzed: 10/02/2025

Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	33.9		ng/L	25.0		135	40-130				
Surrogate: M6PFDA	17.9		"	12.5		143	40-130				
Surrogate: M7PFUdA	18.7		"	12.5		150	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	17.9		"	12.5		143	10-130				
Surrogate: M2PFTeDA	11.6		"	12.5		92.6	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	129		"	100		129	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	33.5		"	24.0		140	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.5		"	50.0		145	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	43.6		"	25.0		175	40-130				
Surrogate: d3-N-MeFOSAA	80.4		"	50.0		161	40-170				
Surrogate: d5-N-EtFOSAA	84.2		"	50.0		168	25-135				
Surrogate: M2-6:2 FTS	80.2		"	47.6		169	40-200				
Surrogate: M2-8:2 FTS	73.6		"	48.0		153	40-300				
Surrogate: M9PFNA	18.9		"	12.5		151	40-130				
Surrogate: M2-4:2 FTS	84.5		"	46.9		180	40-200				
Surrogate: d-N-MeFOSA	35.6		"	25.0		142	10-130				
Surrogate: d-N-EtFOSA	30.2		"	25.0		121	10-130				
Surrogate: M3HFPO-DA	151		"	100		151	40-130				
Surrogate: d9-N-EtFOSE	331		"	250		132	10-130				
Surrogate: d7-N-MeFOSE	359		"	250		143	10-130				

Batch BJ50360 - EPA 1633 Prep

Blank (BJ50360-BLK1)

Prepared: 10/06/2025 Analyzed: 10/07/2025

Perfluorobutanesulfonic acid (PFBS)	ND	1.77	ng/L
Perfluorohexanoic acid (PFHxA)	ND	2.00	"
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"
Perfluorohexanesulfonic acid (PFHxS)	ND	1.83	"
Perfluorooctanoic acid (PFOA)	ND	2.00	"
Perfluorooctanesulfonic acid (PFOS)	ND	1.86	"
Perfluorononanoic acid (PFNA)	ND	2.00	"
Perfluorodecanoic acid (PFDA)	ND	2.00	"
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"
Perfluorododecanoic acid (PFDoA)	ND	2.00	"
Perfluorotridecanoic acid (PFTTrDA)	ND	2.00	"
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"
N-MeFOSAA	ND	2.00	"
N-EtFOSAA	ND	5.00	"
Perfluoropentanoic acid (PFPeA)	ND	4.00	"
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.91	"
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.93	"
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	7.60	"
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	7.68	"
Perfluoro-n-butanoic acid (PFBA)	ND	8.00	"



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ50360 - EPA 1633 Prep

Blank (BJ50360-BLK1)

Prepared: 10/06/2025 Analyzed: 10/07/2025

Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	3.56	ng/L								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	4.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	4.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	4.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.88	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	7.50	"								
HFPO-DA (Gen-X)	ND	8.00	"								
11CL-PF3OUdS	ND	7.56	"								
9CL-PF3ONS	ND	7.48	"								
ADONA	ND	7.56	"								
Perfluorododecanesulfonic acid (PFDoS)	ND	1.94	"								
Perfluoro-1-nonanesulfonic acid (PFNS)	ND	1.92	"								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	ND	10.0	"								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	ND	50.0	"								
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	ND	50.0	"								
N-MeFOSE	ND	20.0	"								
N-MeFOSA	ND	2.00	"								
N-EtFOSE	ND	20.0	"								
N-EtFOSA	ND	2.00	"								
Surrogate: M3PFBS	39.9		"	23.3		171	40-135				
Surrogate: M5PFHxA	36.0		"	25.0		144	40-130				
Surrogate: M4PFHpA	34.5		"	25.0		138	40-130				
Surrogate: M3PFHxS	36.9		"	23.7		156	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	34.3		"	25.0		137	40-130				
Surrogate: M6PFDA	16.7		"	12.5		133	40-130				
Surrogate: M7PFUdA	16.5		"	12.5		132	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	17.8		"	12.5		142	10-130				
Surrogate: M2PFTeDA	16.2		"	12.5		129	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	135		"	100		135	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	35.4		"	24.0		148	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.8		"	50.0		146	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	35.8		"	25.0		143	40-130				
Surrogate: d3-N-MeFOSAA	67.9		"	50.0		136	40-170				
Surrogate: d5-N-EtFOSAA	60.8		"	50.0		122	25-135				
Surrogate: M2-6:2 FTS	76.7		"	47.6		161	40-200				
Surrogate: M2-8:2 FTS	73.0		"	48.0		152	40-300				
Surrogate: M9PFNA	18.3		"	12.5		146	40-130				
Surrogate: M2-4:2 FTS	88.5		"	46.9		189	40-200				
Surrogate: d-N-MeFOSA	31.1		"	25.0		124	10-130				
Surrogate: d-N-EtFOSA	27.4		"	25.0		110	10-130				
Surrogate: M3HFPO-DA	164		"	100		164	40-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ50360 - EPA 1633 Prep											
Blank (BJ50360-BLK1)						Prepared: 10/06/2025 Analyzed: 10/07/2025					
Surrogate: d9-N-EtFOSE	275		ng/L	250		110	10-130				
Surrogate: d7-N-MeFOSE	300		"	250		120	10-130				
LCS (BJ50360-BS1)						Prepared: 10/06/2025 Analyzed: 10/07/2025					
Perfluorobutanesulfonic acid (PFBS)	34.3	1.77	ng/L	35.4		96.8	60-145				
Perfluorohexanoic acid (PFHxA)	36.2	2.00	"	40.0		90.6	70-145				
Perfluoroheptanoic acid (PFHpA)	37.0	2.00	"	40.0		92.5	70-150				
Perfluorohexanesulfonic acid (PFHxS)	33.7	1.83	"	36.6		92.0	65-145				
Perfluorooctanoic acid (PFOA)	33.2	2.00	"	40.0		83.0	70-150				
Perfluorooctanesulfonic acid (PFOS)	32.3	1.86	"	37.2		86.9	55-150				
Perfluorononanoic acid (PFNA)	34.4	2.00	"	40.0		86.0	70-150				
Perfluorodecanoic acid (PFDA)	36.4	2.00	"	40.0		91.0	70-140				
Perfluoroundecanoic acid (PFUnA)	34.3	2.00	"	40.0		85.8	70-145				
Perfluorododecanoic acid (PFDoA)	37.4	2.00	"	40.0		93.6	70-140				
Perfluorotridecanoic acid (PFTriDA)	36.9	2.00	"	40.0		92.3	65-140				
Perfluorotetradecanoic acid (PFTA)	32.3	2.00	"	40.0		80.8	60-140				
N-MeFOSAA	35.7	2.00	"	40.0		89.4	50-140				
N-EtFOSAA	34.0	5.00	"	40.0		85.0	70-145				
Perfluoropentanoic acid (PFPeA)	73.3	4.00	"	80.0		91.7	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	37.8	2.00	"	40.0		94.5	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	33.1	1.91	"	38.2		86.7	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	31.2	1.93	"	38.6		80.8	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	141	7.60	"	152		92.7	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	145	7.68	"	154		94.4	60-150				
Perfluoro-n-butanoic acid (PFBA)	145	8.00	"	160		90.7	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	64.8	3.56	"	71.2		91.0	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	82.9	4.00	"	80.0		104	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	74.8	4.00	"	80.0		93.5	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	74.1	4.00	"	80.0		92.7	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	33.4	1.88	"	37.6		88.8	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	127	7.50	"	150		84.9	70-145				
HFPO-DA (Gen-X)	63.3	8.00	"	80.0		79.1	70-140				
11CL-PF3OUdS	55.5	7.56	"	75.6		73.3	55-160				
9CL-PF3ONS	61.0	7.48	"	74.8		81.6	70-155				
ADONA	67.1	7.56	"	75.6		88.8	65-145				
Perfluorododecanesulfonic acid (PFDoS)	29.9	1.94	"	38.8		76.9	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	34.4	1.92	"	38.4		89.6	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	156	10.0	"	160		97.8	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	788	50.0	"	800		98.5	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	751	50.0	"	800		93.9	50-145				
N-MeFOSE	339	20.0	"	400		84.7	70-145				
N-MeFOSA	34.4	2.00	"	40.0		86.0	60-150				
N-EtFOSE	342	20.0	"	400		85.6	70-135				
N-EtFOSA	40.3	2.00	"	40.0		101	65-145				
Surrogate: M3PFBS	43.3		"	23.3		186	40-135				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ50360 - EPA 1633 Prep

LCS (BJ50360-BS1)

Prepared: 10/06/2025 Analyzed: 10/07/2025

Surrogate: M5PFHxA	44.7		ng/L	25.0		179	40-130				
Surrogate: M4PFHpA	42.3		"	25.0		169	40-130				
Surrogate: M3PFHxS	41.9		"	23.7		177	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	43.9		"	25.0		175	40-130				
Surrogate: M6PFDA	20.0		"	12.5		160	40-130				
Surrogate: M7PFUdA	22.2		"	12.5		178	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	20.9		"	12.5		167	10-130				
Surrogate: M2PFTeDA	18.5		"	12.5		148	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	159		"	100		159	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	43.4		"	24.0		181	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	87.9		"	50.0		176	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	44.2		"	25.0		177	40-130				
Surrogate: d3-N-MeFOSAA	73.6		"	50.0		147	40-170				
Surrogate: d5-N-EtFOSAA	77.4		"	50.0		155	25-135				
Surrogate: M2-6:2 FTS	75.6		"	47.6		159	40-200				
Surrogate: M2-8:2 FTS	73.9		"	48.0		154	40-300				
Surrogate: M9PFNA	23.9		"	12.5		191	40-130				
Surrogate: M2-4:2 FTS	81.0		"	46.9		173	40-200				
Surrogate: d-N-MeFOSA	38.3		"	25.0		153	10-130				
Surrogate: d-N-EtFOSA	32.7		"	25.0		131	10-130				
Surrogate: M3HFPO-DA	207		"	100		207	40-130				
Surrogate: d9-N-EtFOSE	327		"	250		131	10-130				
Surrogate: d7-N-MeFOSE	343		"	250		137	10-130				

LCS (BJ50360-BS2)

Prepared: 10/06/2025 Analyzed: 10/07/2025

Perfluorobutanesulfonic acid (PFBS)	3.53	1.77	ng/L	3.54		99.6	60-145				
Perfluorohexanoic acid (PFHxA)	3.39	2.00	"	4.00		84.7	70-145				
Perfluoroheptanoic acid (PFHpA)	3.69	2.00	"	4.00		92.1	70-150				
Perfluorohexanesulfonic acid (PFHxS)	3.46	1.83	"	3.66		94.6	65-145				
Perfluorooctanoic acid (PFOA)	3.51	2.00	"	4.00		87.8	70-150				
Perfluorooctanesulfonic acid (PFOS)	3.23	1.86	"	3.72		86.8	55-150				
Perfluorononanoic acid (PFNA)	3.15	2.00	"	4.00		78.8	70-150				
Perfluorodecanoic acid (PFDA)	3.74	2.00	"	4.00		93.4	70-140				
Perfluoroundecanoic acid (PFUnA)	3.70	2.00	"	4.00		92.6	70-145				
Perfluorododecanoic acid (PFDoA)	4.35	2.00	"	4.00		109	70-140				
Perfluorotridecanoic acid (PFTTrDA)	5.75	2.00	"	4.00		144	65-140			High Bias	
Perfluorotetradecanoic acid (PFTA)	5.72	2.00	"	4.00		143	60-140			High Bias	
N-MeFOSAA	4.12	2.00	"	4.00		103	50-140				
N-EtFOSAA	4.29	5.00	"	4.00		107	70-145				
Perfluoropentanoic acid (PFPeA)	7.55	4.00	"	8.00		94.4	65-135				
Perfluoro-1-octanesulfonamide (FOSA)	3.77	2.00	"	4.00		94.2	70-145				
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.61	1.91	"	3.82		94.6	70-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.61	1.93	"	3.86		119	60-145				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	13.9	7.60	"	15.2		91.7	65-155				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	12.1	7.68	"	15.4		78.5	60-150				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ50360 - EPA 1633 Prep											
LCS (BJ50360-BS2)						Prepared: 10/06/2025 Analyzed: 10/07/2025					
Perfluoro-n-butanoic acid (PFBA)	14.8	8.00	ng/L	16.0		92.4	70-140				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	6.09	3.56	"	7.12		85.5	70-140				
Perfluoro-3,6-dioxahexanoic acid (NFDHA)	7.25	4.00	"	8.00		90.6	50-150				
Perfluoro-4-oxapentanoic acid (PFMPA)	7.60	4.00	"	8.00		95.0	55-140				
Perfluoro-5-oxahexanoic acid (PFMBA)	7.68	4.00	"	8.00		96.0	60-150				
Perfluoro-1-pentanesulfonate (PFPeS)	3.69	1.88	"	3.76		98.1	65-140				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	12.0	7.50	"	15.0		79.8	70-145				
HFPO-DA (Gen-X)	6.59	8.00	"	8.00		82.4	70-140				
11CL-PF3OUdS	9.75	7.56	"	7.56		129	55-160				
9CL-PF3ONS	7.80	7.48	"	7.48		104	70-155				
ADONA	7.67	7.56	"	7.56		101	65-145				
Perfluorododecanesulfonic acid (PFDoS)	3.77	1.94	"	3.88		97.0	50-145				
Perfluoro-1-nonanesulfonic acid (PFNS)	3.19	1.92	"	3.84		83.1	65-145				
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3FTCA)	13.4	10.0	"	16.0		83.9	65-130				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	82.2	50.0	"	80.0		103	70-135				
2H,2H,3H,3H-Perfluorodecanoic acid (7:3FTCA)	72.6	50.0	"	80.0		90.7	50-145				
N-MeFOSE	53.6	20.0	"	40.0		134	70-145				
N-MeFOSA	4.58	2.00	"	4.00		114	60-150				
N-EtFOSE	62.0	20.0	"	40.0		155	70-135	High Bias			
N-EtFOSA	4.97	2.00	"	4.00		124	65-145				
Surrogate: M3PFBS	33.1		"	23.3		142	40-135				
Surrogate: M5PFHxA	34.5		"	25.0		138	40-130				
Surrogate: M4PFHpA	31.8		"	25.0		127	40-130				
Surrogate: M3PFHxS	30.6		"	23.7		129	40-130				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	32.1		"	25.0		128	40-130				
Surrogate: M6PFDA	15.5		"	12.5		124	40-130				
Surrogate: M7PFUdA	18.1		"	12.5		145	30-130				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	17.5		"	12.5		140	10-130				
Surrogate: M2PFTeDA	14.8		"	12.5		118	10-130				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	125		"	100		125	5-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	32.0		"	24.0		134	40-130				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	70.1		"	50.0		140	40-130				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	36.0		"	25.0		144	40-130				
Surrogate: d3-N-MeFOSAA	57.6		"	50.0		115	40-170				
Surrogate: d5-N-EtFOSAA	60.1		"	50.0		120	25-135				
Surrogate: M2-6:2 FTS	62.8		"	47.6		132	40-200				
Surrogate: M2-8:2 FTS	61.9		"	48.0		129	40-300				
Surrogate: M9PFNA	17.4		"	12.5		139	40-130				
Surrogate: M2-4:2 FTS	67.8		"	46.9		145	40-200				
Surrogate: d-N-MeFOSA	27.9		"	25.0		112	10-130				
Surrogate: d-N-EtFOSA	26.3		"	25.0		105	10-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ50360 - EPA 1633 Prep

LCS (BJ50360-BS2)

Prepared: 10/06/2025 Analyzed: 10/07/2025

Surrogate: M3HFPO-DA	149		ng/L	100		149	40-130				
Surrogate: d9-N-EtFOSE	268		"	250		107	10-130				
Surrogate: d7-N-MeFOSE	274		"	250		109	10-130				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
25I1629-01	TS 0F-7 GAC 3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25I1629-04	TS 0F-7 INF 1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
25I1629-05	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-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

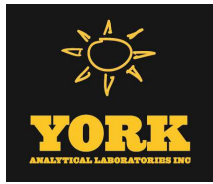
Definitions and Other Explanations

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

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

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

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



Certification for pH is no longer offered by NYDOH ELAP.

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

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