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2025 Annual PFAS Sampling Report

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This letter report has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll) on behalf of the Revitalizing Auto Communities Environmental Response Trust (RACER Trust) to document the 2025 annual per- and polyfluoroalkyl substances (PFAS) groundwater sampling event conducted in June 2025 at the Coldwater Road facility located in Flint, Michigan (Site).

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PFAS Sampling Protocol

For this sampling event, the sample team followed the protocol set forth in the EGLE Michigan PFAS Action Response Team (MPART) Groundwater PFAS Sampling Guidance dated October 2018 and Ramboll's PFAS Sampling Field Guidance Document Number 1.07.

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Special care was taken during sampling and transport of the samples to avoid contamination from clothing, sampling material, and storage containers due to the extremely low detection limits for PFAS (<2 ng/L), because PFAS are used in a variety of applications and products, such as fire retardants, water repellant clothing, microwavable food wrappers, cosmetics, etc.

The sample team wore natural fiber (predominantly 100% cotton, or as near to 100% as possible) clothing (especially no water repellant materials [coats, gloves, shoes, etc.]) and avoided bathing with or applying particular products (deodorants/antiperspirants, lotions, cosmetics, etc.) prior to sampling to minimize the potential for cross contamination.

Sampling Methods

Annual PFAS samples were collected in conjunction with the routine landfill operations, maintenance, and monitoring (OMM) June 2025 Semiannual Groundwater Monitoring event. During this annual PFAS groundwater sampling event samples were collected from the following locations:

Perched Zones (Fifteen Monitoring Wells)

B-7, B-9, B-19AR, OBG MW-9, OBG MW-11, OBG MW-12S, OBG MW-13, OBG MW-14, OBG MW-17S, OBG MW-18S, OBG MW-21, OBG MW-22, OBG MW-24, OBG MW-26R, and OBG MW-28

Drift Unit (Four Monitoring Wells)

B-27D, OBG MW-23 (D), OBG MW-27R (D), and OBG MW-29 (D)

Leak Detection Vaults

Vault A, Vault C, and Vault E.

Samples were collected during the weeks of June 2, 2025, and June 9, 2025. See **Figure 1** for monitoring well locations.

In addition to the EGLE MPART Groundwater PFAS Sampling Guidance and Ramboll's PFAS Sampling Field Guidance Document Number 1.07., the groundwater sampling was performed in accordance with USEPA, *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures* (EPA/540/S-95/504) and the USEPA Region 1 (July 30, 1996, Revision 4, revised September 19, 2017) *Low Stress (Low-Flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells*.

Groundwater samples from the perched zone were collected using a peristaltic pump. Groundwater samples from the drift unit were collected using a bladder pump. Groundwater sampling logs are included in **Appendix A**.

Monitoring wells (B-7, B-9, and OBG MW-14) were purged "dry", with a submersible Whale pump or peristaltic pump, allowed to recharge, and the samples were collected as soon as sufficient water was present to obtain the necessary sample volume in accordance with Ramboll procedures and the EGLE approved site-specific Field Method Guide.

Groundwater sampling was performed using high density polyethylene (HDPE) sample tubing attached to the appropriate sampling pump (a Whale, peristaltic, or bladder pump) lowered approximately to the midpoint of the well screen. The tubing was then attached to a flow-through cell attached to a physical parameter measurement instrument capable of measuring temperature, conductivity, pH, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Turbidity was collected with a separate turbidity meter.

Purging continued until the water quality parameters stabilized within the USEPA Low Stress Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells values over three consecutive 5-minute periods, except at wells that were purged "dry" where physical parameter measurements were collected when possible.

Once stabilized, the flow-through cell was disconnected and the samples were collected directly into laboratory supplied containers, placed in an ice-filled cooler, and transported to Merit Laboratories in East Lansing, Michigan under appropriate chain-of-custody (COC) protocols. The samples were submitted to the laboratory for analysis on a standard turnaround time.

Samples were analyzed for the presence of PFAS by ASTM Method D7979 – 19 Modified (no preservation). The PFAS constituent list provided by the laboratory increased from 28 to 34 constituents in 2023. The following QC samples were collected: three field duplicates, two field (ambient) blanks and one trip blank. A peristaltic pump was used for sample collection with tubing dedicated to each well, except for the drift unit location B-27D, where a bladder pump was used; therefore, no equipment blank was collected.

Prior to sampling, water level measurements were collected from monitoring wells at the Site and the offsite wells. Groundwater elevation data is included on **Table 1**. A groundwater elevation contour map was prepared for the perched zone (**Figure 2**) and a potentiometric surface contour map was prepared for the deeper drift unit (**Figure 3**). Additional site monitoring wells (not part of the landfill monitoring program) were used to aid in the creation of the contour maps. When reviewing the groundwater elevation contour map for the perched zone, please keep in mind that groundwater in the perched zone includes discontinuous perched saturated zones within an otherwise clayey matrix.

Based on these contours, the groundwater flow direction in the perched zone appears to be consistent with previously observed flow directions and be predominantly toward the northwest but turning toward the west in the westward extension of the Site. The perched zone static water elevations were generally higher compared to the previous gauging event (November 2024), yet consistent with historical data.

The drift unit static water elevations were consistent with historical data and the previous gauging event (November 2024). Groundwater in the drift unit flows in a southerly direction.

Analytical Results

The analytical results for the samples collected at the Coldwater Road Landfill facility are presented in **Table 2** – Perched PFAS Sample Results- Perched Monitoring Well Sampling, **Table 3** – PFAS Sample Results- Drift Monitoring Well Sampling, and **Table 4** – PFAS Sample Results- Vault Samples. The results are also shown on **Figure 4** – Perched Data, **Figure 5** – Drift Data, **Figure 6** – Vault Data. The complete analytical laboratory report is contained in **Appendix B**.

The results were compared to EGLE’s October 12, 2023 Part 201 Groundwater Generic Cleanup Criteria and Screening Levels and the Rule 57 Surface Water Quality Value.

The relative percent difference (RPD) for the duplicate sample results for OBG MW-27R and MW-DUP-3-20250606 (OBG MW-27R), OBG MW-18S and MW-DUP-2-20250605 (OBG MW-18S), and Vault-C and Vault-DUP- 20250603 (Vault-C) were within acceptable limits.

No PFAS were detected in the field blanks or equipment blank associated with the field procedures/methods for this sampling event.

Perched Analytical Results

As indicated in both **Table 2** and **Figure 4** PFAS results in the perched zone were generally comparable to previous sampling events (i.e., are stable or decreasing).

PFAS detections above EGLE Screening Levels for the June 2025 event in the perched zone were limited to the following:

Perfluorooctanoic Acid (PFOA) at four wells: B-9 (9.9 ng/l), OBG MW-11 (31 ng/l), OBG MW-14 (22 ng/l), and OBG MW-26R (22 ng/l);

Perfluorohexane Sulfonic Acid (PFHxS) at three wells: OBG MW-11 (380 ng/l), OBG MW-14 (190 ng/l), and OBG MW-26R (53 ng/l);

Perfluorooctane Sulfonic Acid (PFOS) at eight wells: B-7, B-9, OBG MW-11, OBG MW-12S, OBG MW-14, OBG MW-17S, OBG MW-22, and OBG MW-26R with concentrations ranging up to 2,000 ng/l at OBG MW-22.

Drift Unit Analytical Results

As indicated in both **Table 3** and **Figure 5** PFAS results from B-27D, OBG MW-23 and OBG MW-29 in the drift unit were not detected above the reporting limit and are considered stable. At OBG MW-27R PFAS concentrations were similar to last sample collected in November 2024. The analytical results at OBG MW-27R detected PFOS at a concentration of 19 ng/l and was detected at 16 ng/l in the duplicate sample (MW-DUP-3-20250606). OBG MW-27R is delineated to the south by non-detect or below criteria PFAS concentrations at OBG MW-29. The results from OBG MW-29 continue to be below the EGLE Screening Levels.

Vault Analytical Results

As indicated in both **Table 4** and **Figure 6** PFAS results in the vaults were generally comparable to previous sampling events (i.e., are stable or decreasing). PFAS detections above EGLE Cleanup Criteria for the June 2025 event were limited to PFOA at Vault-A (11 ng/l), Vault-DUP-20250603 (Vault C) (8.3 ng/l) and Vault-E (9.5 ng/l) and PFOS at Vault-A (440 ng/l), Vault-C (430 ng/l), Vault-DUP-20250603 (400 ng/L), and Vault-E (490 ng/l).

Summary

PFAS concentrations do not appear to have expanded and generally appear to be stable, and concentrations are not significantly different from previous monitoring events, except as previously noted. Continued annual PFAS monitoring is recommended.

The next annual PFAS sampling event is currently scheduled for June 2026. If you have any questions, please feel free to contact Clifford Yantz at (313) 333-0211.

Very truly yours,

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

A handwritten signature in blue ink that reads "Clifford Scott Yantz".

Clifford S. Yantz

Project Manager

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Table 2 – Perched Zone Results

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Figure 1 – Monitoring Well Location Map

Figure 2 – Perched Zone Groundwater Elevation Map

Figure 3 – Drift Unit Groundwater Elevation Map

Figure 4 – Perched Zone Monitoring Well PFAS Sample Results

Figure 5 – Drift Unit Monitoring Well PFAS Sample Results

Figure 6 – Leak Detection Vaults PFAS Sample Results

Appendix

Appendix A – Groundwater Sampling Logs

Appendix B – Analytical Laboratory Results

TABLES

TABLE 1
RACER Trust - Coldwater Road
Depth to Groundwater Levels in Monitoring Wells

June 2, 2025

Well ID	Top of Casing Elevation (ft)*	Depth to Water (ft)	Static Water Elevation (ft)
Landfill Monitoring Wells			
B-7	813.67	16.51	797.16
B-9	807.37	3.90	803.47
B-18A	810.99	20.33	790.66
B-19A	812.66	7.07	805.59
B-19AR	811.78	38.21	773.57
B-20D	815.13	68.38	746.75
B-21D	821.01	79.00	742.01
B-22D	822.16	83.42	738.74
B-23DR	812.09	80.07	732.02
B-24R	816.09	13.11	802.98
B-27D	812.62	74.72	737.90
B-28	816.33	4.38	811.95
OBG MW-16D	807.42	56.35	751.07
former WWTP Monitoring Wells			
OBG MW-1	811.56	5.15	806.41
OBG MW-2	813.77	7.20	806.57
OBG MW-3	810.09	4.52	805.57
OBG MW-4	812.66	5.70	806.96
OBG MW-5	816.04	7.32	808.72
OBG MW-6	815.75	10.55	805.20
OBG MW-7	813.47	7.20	806.27
OBG MW-8	817.50	8.50	809.00
OBG MW-9	809.97	3.95	806.02
OBG MW-10	811.54	--	--
Additional Site Monitoring Wells			
OBG MW-11	801.94	4.65	797.29
OBG MW-12D	797.13	45.64	751.49
OBG MW-12S	796.88	7.47	789.41
OBG MW-13	801.81	5.44	796.37
OBG MW-14	810.98	6.30	804.68
OBG MW-15D	810.68	78.88	731.80
OBG MW-17D	800.09	48.75	751.34
OBG MW-17S	800.51	9.71	790.80
OBG MW-18D	800.17	48.70	751.47
OBG MW-18S	799.32	12.56	786.76
OBG MW-19D	795.37	46.10	749.27
OBG MW-20	783.93	28.21	755.72
OBG MW-21	797.49	4.74	792.75
OBG MW-22	794.11	3.90	790.21
OBG MW-23 (D)	776.76	26.88	749.88
OBG MW-24	781.50	4.49	777.01
OBG MW-25R	786.61	5.17	781.44
OBG MW-26R	772.38	4.21	768.17
OBG MW-27R (D)	772.46	22.39	750.07
OBG MW-28	800.35	11.45	788.90
OBG MW-29 (D)	773.28	23.82	749.46
Piezometers			
PZ-3R	788.37	6.70	781.67
Peregrine Site Wells			
MW-19-13	807.85	2.56	805.29
MW-20-13	810.81	4.90	805.91
MW-15-10	808.15	76.28	731.87
MW-16-10	798.64	68.59	730.05
PFW-1	809.51	77.10	732.41

Notes

Casing elevations were provided by Norwy & Hale Surveyors and are in feet relative to National Geodetic
 -- No data.

R - Indicates a replacement well location.

Monitoring wells OBG MW-25, PZ-2, and PZ-3 were abandon on July 7, 2020 as part of the
 onsite berm construction. OBG MW-25 and PZ-3 were replaced in December 2022.

Monitoring wells OBG MW-26, and OBG MW-27 were abandon and replaced in October 2023.

OBG MW-10 found to be damaged in June 2025

TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		B-7	B-7 (Collocated)	B-7	B-7	B-7	B-7	B-7	B-7	B-7	B-7
	Sample Date:	GSI		11/30/2016	11/30/2016	6/12/2018	5/30/2019	6/18/2020	6/11/2021	6/8/2022	6/9/2023	6/6/2024	6/6/2025
		Drinking Water	GSI										
Perfluorobutanoic Acid (PFBA)	--	--	9.2 J	7.1 J	8.2 B	<20	10	<9.9	<10	<9.9	10	9.7 J	
Perfluoropentanoic Acid (PFPeA)	--	--	2.6	1.7 J	4.2	<9.8	1.2 J	2.2 J	2.3 J	1.6 J	2.0 J	2.5 J	
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	--	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
Perfluorohexanoic Acid (PFHxA)	400,000	--	3.9	3.1	3.3	<9.8	2.0 J	3.1	3.2	2.1	2.5	2.5	
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	5.7	5.8	4.1	<9.8	4.8	5.4	4.4	3.5	3.5	5.7	
Perfluoroheptanoic Acid (PFHpA)	--	--	2.4	1.6 J	2.3	<9.8	<2	<2.0	1.4 J	<2.0	0.86 J	1.2 J	
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	--	<9.8	5.1	5.4	4.8	5.2	5.3	3.7	
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<3.8	<3.7	--	<20	<2.0	8.6	<2.1	9.6	<2.0	<2.0	
Perfluorooctanoic Acid (PFOA)	8	170	9.2 JN	7.6 JN	9.2	<9.8	5.6	5.3	5.1	4.9	5.2	5.2	
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	23	22 JN	18 B	<19	17	15	16	12	12	12	
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	--	<14	13	12	13	9.9	9.7	10	
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	--	<9.8	3.3	2.7	2.6	2.1	2.3	1.7 J	
Perfluorononanoic Acid (PFNA)	6	30	0.87 J	0.79 J	0.82 J	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	1.2 J	
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	--	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	3.8	3.9	3.0	<9.8	2.4	2.0	2.4	<2.0	2.0	2.5	
Perfluorodecanoic Acid (PFDA)	--	--	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	--	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	--	<9.8	<4.1	<3.9	<4.1	<4.0	<3.9	<4.0	
Perfluorooctane Sulfonic Acid (PFOS)	16	12	220	230	130	140	140	90	87	89	120	95	
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	--	--	72	84	46	48	50	71	52	
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	--	--	20	57	42	38	35	46	39	
Perfluoroundecanoic Acid (PFUnDA)	--	--	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	--	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
Perfluorododecanoic Acid (PFDoDA)	--	--	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
Perfluorotridecanoic Acid (PFTriDA)	--	--	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
Perfluorooctane Sulfonamide (FOSA)	--	--	<0.64 UJ	<0.62 UJ	<0.34	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<2.0 U	<2.0 U	<0.28	<9.8	<4.1	<3.9	<4.1	<4.0	<3.9	<4.0	
11-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	--	<2.0	<9.9	<10	<4.0	<9.8	<10	
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	--	<4.0	<9.8	
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	--	<4.0	<9.8	
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	--	<4.0	<9.8	
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	
Perfluoro-4-ethylcyclohexanesulfonate (PFECBS)	--	--	--	--	--	--	--	--	--	--	240	260	
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	
Total Per- and Polyfluoroalkyl Substances	--	--	280.7	283.6	183.1	140.0	188.1	137.0	126.6	367.9	423.4	311.2	

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		B-9	B-9	B-9	B-9	B-9	B-9	B-9	B-9	B-9
	Sample Date:	GSI		6/20/2017	6/12/2018	6/3/2019	6/17/2020	6/11/2021	6/8/2022	6/9/2023	6/6/2024	6/6/2025
		Drinking Water	GSI									
Perfluorobutanoic Acid (PFBA)	--	--		14 B	9.5 B	<19	28	16	22	<10	12	15
Perfluoropentanoic Acid (PFPeA)	--	--		2.2	1.7 J	<9.4	1.0 J	3.2 J	3.6 J	<4.0	1.9 J	1.9 J
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--		--	--	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--		9.3	7.0	<9.4	4.3	9.5	14	3.9	4.6	5.5
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000		2.3	2.1	<9.4	2.3	3.6	2.9	2.1	2.1	3.6
Perfluoroheptanoic Acid (PFHpA)	--	--		4.2	<0.24	<9.4	<2.0	1.8 J	2.6	<2.0	1.0 J	1.9 J
Perfluoropentane Sulfonic Acid (PFPeS)	--	--		--	--	<9.4	<2.0	1.8 J	<2.1	<2.0	<1.3	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--		<3.7	--	<9.4	<2.0	2.9 J	<2.1	<2.0	<1.3	<2.0
Perfluorooctanoic Acid (PFOA)	8	170		15	12	<9.4	<2.0	8.2	8.3	5.0	5.8	9.9
Perfluorohexane Sulfonic Acid (PFHxS)	51	210		6.9	3.7 B	<9.4	5.1	6.4	9.1	5.8	3.8	6.2
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--		--	--	<9.4	4.2	5.5	7.7	4.5	3.0	5.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--		--	--	<9.4	<2.0	<1.9	<2.1	<2.0	0.67 J	1.0 J
Perfluorononanoic Acid (PFNA)	6	30	<0.64	<0.26	<9.4	<2.0	<1.9	<2.1	<2.1	<2.0	<1.3	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--		--	--	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--		0.70 J	0.33 J	<9.4	<2.0	<1.9	<2.1	<2.0	0.75 J	1.7 J
Perfluorodecanoic Acid (PFDA)	--	--	<0.43	<1.9	<9.4	<2.0	<1.9	<2.1	<2.1	<2.0	<1.3	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	--	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	--	<9.4	<4.1	<3.9	<4.1	<4.0	<2.6	<4.1
Perfluorooctane Sulfonic Acid (PFOS)	16	12	13	9.3	16	16	21	21	13	18	23	23
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	--	--	<9.4	<2.0	<1.9	2.5	<2.0	1.4	2.3
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	--	--	13	13	18	18	11	16	19
Perfluoroundecanoic Acid (PFUnDA)	--	--	<0.73	<1.9	<9.4	<2.0	<1.9	<2.1	<2.1	<2.0	<1.3	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	<9.4	<2.0	<1.9	<2.1	<2.1	<2.0	<1.3	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<0.57	<1.9	<9.4	<2.0	<1.9	<2.1	<2.1	<2.0	<1.3	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<1.2	<1.9	<9.4	<2.0	<1.9	<2.1	<2.1	<2.0	<1.3	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<0.54	<1.9	<9.4	<2.0	<1.9	<2.1	<2.1	<2.0	<1.3	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	3.3 J H	<0.33	<9.4	<2.0	<1.9	<2.1	<2.1	<2.0	<1.3	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	1.2 J B	<0.27	<9.4	<4.1	<3.9	<4.1	<4.1	<4.0	<2.6	<4.1
11-chloroicosafafluoro-3-oxadecane-1-sulfonic acid (11Cl-PF30UDS)	--	--	--	--	--	--	<2.0	<1.9	<2.1	<2.0	<1.3	<2.0
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF30NS)	--	--	--	--	--	--	<2.0	<1.9	<2.1	<2.0	<1.3	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	<2.0	<1.9	<2.1	<2.0	<1.3	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	--	<2.0	<9.7	<10	<4.0	<6.6	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	<4.0	<6.6	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	<4.0	<6.6	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	<4.0	<6.6	<10
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	<2.0	<1.3	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	--	140	120	160
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	<2.0	<1.3	<2.0
Total Per- and Polyfluoroalkyl Substances	--	--	72.1	45.6	16.0	56.7	74.4	83.5	169.8	170.0	228.7	

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		B-18A	B-18A	B-18A	B-18A (GW-DUP-1)	B-18A	B-18A (DUP-1)
	Sample Date:	GSI		6/20/2017	6/12/2018	6/3/2019	6/3/2019	6/18/2020	6/18/2020
		Drinking Water	GSI						
Perfluorobutanoic Acid (PFBA)	--	--		4.2 B	1.1 J/B	<19	<20	<12 U	<9.7
Perfluoropentanoic Acid (PFPeA)	--	--		<0.94	0.51 J	<9.5	<9.8	<4.0	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--		--	--	<9.5	<9.8	<2.0	<1.9
Perfluorohexanoic Acid (PFHxA)	400,000	--		<0.75	<0.56	<9.5	<9.8	<2.0	<1.9
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000		<0.87	<0.19	<9.5	<9.8	<2.0	<1.9
Perfluoroheptanoic Acid (PFHpA)	--	--		<0.76	<0.24	<9.5	<9.8	<2.0	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	--		--	--	<9.5	<9.8	<2.0	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--		<3.6	--	<9.5	<9.8	2.1	2.3
Perfluorooctanoic Acid (PFOA)	8	170	1.2 J	<0.82	<0.82	<9.5	<9.8	<2.0	<1.9
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	<0.83	0.27 J/B	<0.27	<9.5	<9.8	<2.0	<1.9
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--		--	--	<9.5	<9.8	<2.0	<1.9
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--		--	--	<9.5	<9.8	<2.0	<1.9
Perfluorononanoic Acid (PFNA)	6	30	<0.62	<0.26	<0.26	<9.5	<9.8	<2.0	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--		--	--	<9.5	<9.8	<2.0	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--		<0.68	<0.18	<9.5	<9.8	<2.0	<1.9
Perfluorodecanoic Acid (PFDA)	--	--		<0.42	<1.9	<9.5	<9.8	<2.0	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--		--	--	<9.5	<9.8	<2.0	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--		--	--	<9.5	<9.8	<4.0	<3.9
Perfluorooctane Sulfonic Acid (PFOS)	16	12	1.3 J	<0.52	<0.52	<9.5	<9.8	<2.0	<1.9
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--		--	--	<9.5	<9.8	<2.0	<1.9
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--		--	--	<9.5	<9.8	<2.0	<1.9
Perfluoroundecanoic Acid (PFUnDA)	--	--		<0.71	<1.9	<9.5	<9.8	<2.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	--		--	--	<9.5	<9.8	<2.0	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	--		<0.56	<1.9	<9.5	<9.8	<2.0	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	--		<1.2	<1.9	<9.5	<9.8	<2.0	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	--		<0.52	<1.9	<9.5	<9.8	<2.0	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	--		<0.61	<0.34	<9.5	<9.8	<2.0	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	--		<0.19	<0.28	<9.5	<9.8	<4.0	<3.9
11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--		--	--	--	--	<2.0	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--		--	--	--	--	<2.0	<1.9
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--		--	--	--	--	<2.0	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--		--	--	--	--	<2.0	<1.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--		--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--		--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--		--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--		--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--		--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--		--	--	--	--	--	--
Total Per- and Polyfluoroalkyl Substances	--	--		6.7	1.9	0.0	0.0	2.1	2.3

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		B-19AR	B-19AR	B-19AR	B-19AR	B-19AR	B-24R	B-24R	B-24R	B-24R
	Sample Date:	GSI		11/30/2016	6/12/2018	6/3/2019	6/18/2020	6/5/2025	6/20/2017	6/12/2018	5/30/2019	6/17/2020
		Drinking Water	GSI									
Perfluorobutanoic Acid (PFBA)	--	--	1.0 J	1.2 J/B	<20	<14 U	<11	14 B	8.9 B	<17	<18 U	
Perfluoropentanoic Acid (PFPeA)	--	--	<0.98 U	1.1 J	<9.9	<3.8	<4.2	<0.93	2.0	<8.5	<3.9	
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	<9.9	<1.9	<2.1	--	--	<8.5	<2.0	
Perfluorohexanoic Acid (PFHxA)	400,000	--	<0.78 U	<0.54	<9.9	<1.9	<2.1	3.9	2.7	<8.5	<2.0	
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	<0.91 U	0.28 J	<0.91	<1.9	<2.1	3.7	1.5 J	<8.5	2.4	
Perfluoroheptanoic Acid (PFHpA)	--	--	<0.80 U	0.33 J	<9.9	<1.9	<2.1	1.7 J	<0.23	<8.5	<2.0	
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	<9.9	<1.9	<2.1	--	--	<8.5	<2.0	
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<3.8	--	<9.9	5.7	<2.1	<3.6	--	<17	<2.0	
Perfluorooctanoic Acid (PFOA)	8	170	0.84 JN	0.93 J	<9.9	<1.9	1.0 J	3.9	3.4	<8.5	<2.0	
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	<2.0 U	0.89 J/B	<9.9	<1.9	<2.1	5.4	2.6 B	<8.5	3.3	
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	<9.9	<1.9	<2.1	--	--	<8.5	2.4	
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	<9.9	<1.9	<2.1	--	--	<8.5	<2.0	
Perfluorononanoic Acid (PFNA)	6	30	<0.65 U	<0.25	<9.9	<1.9	<2.1	<0.62	<0.25	<8.5	<2.0	
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	<9.9	<1.9	<2.1	--	--	<8.5	<2.0	
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	1.0 J	0.31 J	<9.9	<1.9	<2.1	<0.67	<0.18	<8.5	<2.0	
Perfluorodecanoic Acid (PFDA)	--	--	<2.0	<1.9	<9.9	<1.9	<2.1	<0.41	<1.9	<8.5	<2.0	
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	<9.9	<1.9	<2.1	--	--	<8.5	<2.0	
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	<9.9	<3.8	<4.2	--	--	<8.5	<3.9	
Perfluorooctane Sulfonic Acid (PFOS)	16	12	3.9	4.1	10	3.2	1.1 J	5.0	2.5	<8.5	3.8	
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	--	<9.9	<1.9	<2.1	--	--	<8.5	3.3	
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	--	<9.9	<1.9	<2.1	--	--	<8.5	<2.0	
Perfluoroundecanoic Acid (PFUnDA)	--	--	<2.0	<1.9	<9.9	<1.9	<2.1	<0.70	<1.9	<8.5	<2.0	
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	<9.9	<1.9	<2.1	--	--	<8.5	<2.0	
Perfluorododecanoic Acid (PFDoDA)	--	--	<2.0	<1.9	<9.9	<1.9	<2.1	<0.55	<1.9	<8.5	<2.0	
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<2.0	<1.9	<9.9	<1.9	<2.1	<1.1	<1.9	<8.5	<2.0	
Perfluorotridecanoic Acid (PFTriDA)	--	--	<2.0	<1.9	<9.9	<1.9	<2.1	<0.52	<1.9	<8.5	<2.0	
Perfluorooctane Sulfonamide (FOSA)	--	--	<0.63 UJ	<0.33	<9.9	<1.9	<2.1	0.66 J	<0.32	<8.5	<2.0	
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<2.0 U	<0.27	<9.9	<3.8	<4.2	<0.19	<0.27	<8.5	<3.9	
11-chloroelicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDS)	--	--	--	--	--	<1.9	<2.1	--	--	--	<2.0	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF30NS)	--	--	--	--	--	<1.9	<2.1	--	--	--	<2.0	
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<1.9	<2.1	--	--	--	<2.0	
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	<1.9	<11	--	--	--	<2.0	
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	<11	--	--	--	--	
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	<11	--	--	--	--	
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	<11	--	--	--	--	
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	<2.1	--	--	--	--	
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	3.2	--	--	--	--	
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	<2.1	--	--	--	--	
Total Per- and Polyfluoroalkyl Substances	--	--	6.7	9.1	10.0	8.9	5.3	38.3	23.6	0.0	9.5	

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
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TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		B-28	B-28	B-28	B-28	OBG MW-6	OBG-MW-7	OBG MW-7
	Sample Date:	GSI		6/20/2017	6/12/2018	5/29/2019	6/16/2020	9/20/2018	6/20/2017	9/20/2018
		Drinking Water	GSI							
Perfluorobutanoic Acid (PFBA)	--	--	2.9 B	1.5 J/B	<18	<10	30	8.0 B	<20	
Perfluoropentanoic Acid (PFPeA)	--	--	<0.96	0.47 J	<8.9	<4.0	<10	<0.96	<10	
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	<8.9	<2.0	<10	--	<10	
Perfluorohexanoic Acid (PFHxA)	400,000	--	0.92 J	<0.55	<8.9	<2.0	<10	1.0 J	<10	
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	<0.89	<0.19	<8.9	<2.0	<10	<0.86	<10	
Perfluoroheptanoic Acid (PFHpA)	--	--	<0.78	<0.24	<8.9	<2.0	<10	<0.78	<10	
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	<8.9	<2.0	<10	--	<10	
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<3.7	--	<18	<2.0	<10	<3.7	<10	
Perfluorooctanoic Acid (PFOA)	8	170	0.79 J	0.84 J	<8.9	<2.0	<10	<0.72	<10	
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	<0.84	0.27 J/B	<8.9	<2.0	<10	<0.84	<10	
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	<8.9	<2.0	<10	--	<10	
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	<8.9	<2.0	<10	--	<10	
Perfluorononanoic Acid (PFNA)	6	30	<0.63	<0.26	<8.9	<2.0	<10	<0.63	<10	
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	<8.9	<2.0	<10	--	<10	
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<0.69	<0.18	<8.9	<2.0	<10	<0.69	<10	
Perfluorodecanoic Acid (PFDA)	--	--	<0.43	<1.9	<8.9	<2.0	<10	<0.43	<10	
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	<8.9	<2.0	<10	--	<10	
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	<8.9	<4.0	<10	--	<10	
Perfluorooctane Sulfonic Acid (PFOS)	16	12	1.7 J	<0.51	<8.9	<2.0	<10	<1.9	<10	
Perfluorooctane Sulfonic Acid (PFOS -LN)	--	--	--	--	<8.9	<2.0	<10	--	<10	
Perfluorooctane Sulfonic Acid (PFOS -BR)	--	--	--	--	<8.9	<2.0	<10	--	<10	
Perfluoroundecanoic Acid (PFUnDA)	--	--	<0.73	<1.9	<8.9	<2.0	<10	<0.72	<10	
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	<8.9	<2.0	<10	--	<10	
Perfluorododecanoic Acid (PFDoDA)	--	--	<0.57	<1.9	<8.9	<2.0	<10	<0.57	<10	
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<1.2	<1.9	<8.9	<2.0	<10	<1.2	<10	
Perfluorotridecanoic Acid (PFTriDA)	--	--	<0.53	<1.9	<8.9	<2.0	<10	<0.53	<10	
Perfluorooctane Sulfonamide (FOSA)	--	--	1.2 J	<0.33	<8.9	<2.0	<10	<0.62	<10	
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<0.19	<0.28	<8.9	<4.0	<10	1.0 J B	<10	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	--	--	--	--	--	--	<2.0	--	--	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF30NS)	--	--	--	--	--	--	<2.0	--	--	
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	<2.0	--	--	
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	--	<2.0	--	--	
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	
3-Perfluoropropyl propanoic acid (FPpPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	
Perfluoro-4-ethylcyclohexanesulfonate (PFECyHS)	--	--	--	--	--	--	--	--	--	
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	
Total Per- and Polyfluoroalkyl Substances	--	--	7.5	3.1	0.0	0.0	30.0	10.0	0.0	

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
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- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
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- 12) B - Compound also found in associated method blank.
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- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-8	OBG-MW-9	OBG MW-9	OBG MW-9 REPLICATE 01	OBG MW-9	OBG MW-9	OBG MW-9	OBG MW-9	OBG MW-9	OBG MW-9
	Sample Date:	GSI		9/20/2018	6/20/2017	9/20/2018	9/20/2018	6/19/2020	6/15/2021	6/13/2022	6/12/2023	6/11/2024	6/10/2025
		Drinking Water	GSI										
Perfluorobutanoic Acid (PFBA)	--	--	<20	1.4 J B	<20	<20	24	<9.8	<10	<9.8	<10	<10	<10
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<0.94	<10	<10	<3.8	<3.9	<4.1	<3.9	<4.0	<4.0	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	<10	<0.75	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	<10	2.0	<10	<10	1.7 J	2.1	1.8 J	<2.0	<2.0	1.8 J	1.9 J
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<0.76	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<3.6	<10	<10	6.4	<3.9	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctanoic Acid (PFOA)	8	170	20	1.1 J	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	1.0 J	1.3 J
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	70	5.0	<10	<10	3.2	2.4	3.4 1	2.5	2.7	2.5	2.5
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	60	--	<10	<10	2.5	1.7 J	2.5 1	1.7 J	2.2	2.0 J	2.0 J
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	6	30	<10	<0.62	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	30	<0.68	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	<10	<0.42	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1 I	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	--	<10	<10	<3.8	<3.9	3.3 J	<3.9	<4.0	<4.0	<4.0
Perfluorooctane Sulfonic Acid (PFOS)	16	12	2710	2.9	<10	<10	11	3.1	4.0	3.5	2.8	4.8	4.8
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	1570	--	<10	<10	6.4	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	1270	--	<10	<10	3.7	<2.0	2.1	<2.0	<2.0	<2.0	3.6
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<0.71	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<0.55	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<1.1	<10	<10	<1.9	<2.0	4.9	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<0.52	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<0.61	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<0.19	<10	<10	<3.8	<3.9	<4.1	<3.9	<4.0	<4.0	<4.0
11-chlorooctadecafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	--	--	--	--	--	--	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9CI-PF3ONS)	--	--	--	--	--	--	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	<1.9	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	--	<1.9	<9.8	<10	<2.0	<10	<10	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	--	<3.9	<10	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	--	<3.9	<10	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	--	<3.9	<10	<10
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	--	--	32	35	36
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Total Per- and Polyfluoroalkyl Substances	--	--	2830.0	12.4	0.0	0.0	46.3	7.6	17.4	38.0	43.3	46.5	46.5

Notes

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TABLE 2
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-11	OBG MW-11	OBG MW-11	OBG MW-11	OBG MW-11	OBG MW-11	OBG MW-11	MW-DUP-1-06122024 (OBG MW-11)	OBG MW-11
		GSI										
	Sample Date:	Drinking Water	GSI	7/19/2018	5/30/2019	6/24/2020	6/15/2021	6/14/2022	6/14/2023	6/12/2024	6/12/2024	6/9/2025
Perfluorobutanoic Acid (PFBA)	--	--	--	29 B	<19	34	24	49	25	23	24	17
Perfluoropentanoic Acid (PFPeA)	--	--	--	5.7	<9.7	6.6	6.8	4.9	8.8	5.9	6.4	5.5
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	29	17	19	16	17	15	13	14	15
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	79	350	190	52	74	74	54	55	84
Perfluoroheptanoic Acid (PFHpA)	--	--	--	14	<9.7	8.8	7.3	7.4	5.5	4.6	5.5	6.4
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	160	94	98	94	120	94	87	92	110
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	5.4 JB	<9.7	<2.0	<4.2	<2.0	<1.9	<2.0	<2.1	<2.0
Perfluorooctanoic Acid (PFOA)	8	170	--	54	34	25	27	31	27	27	28	31
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	450 B	370	440	380	410 1	310	310	320	380
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	310	370	310	350 1	260	260	270	330
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	58	71	61	67	55	52	53	60
Perfluorononanoic Acid (PFNA)	6	30	<0.22	<9.7	<2.0	<2.1	<2.0	<2.0	<1.9	<2.0	<2.1	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	<9.7	<2.0	<2.1	<2.0 1	<1.9	<2.0	<2.1	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	13	<12	13	9.9	10 1	8.0	8.1	8.7	11
Perfluorodecanoic Acid (PFDA)	--	--	<1.6	<9.7	<2.0	<2.1	<2.0	<2.0	<1.9	<2.0	<2.1	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<9.7	<2.0	<2.1	<2.0 1	<1.9	<2.0	<2.0	<2.1	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<9.7	<3.9	<4.2	<4.0	<3.9	<4.0	<4.1	<4.1	<4.1
Perfluorooctane Sulfonic Acid (PFOS)	16	12	110	130	160	110	120	100	94	97	130	130
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	19	26	18	17	16	14	16	16	23
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	110	130	85	100	82	75	76	76	100
Perfluoroundecanoic Acid (PFUnDA)	--	--	<1.6	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<1.6	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<1.6	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<1.6	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<0.28	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<0.24	<9.7	<3.9	<4.2	<4.0	<3.9	<4.0	<4.1	<4.1	<4.1
11-chloroicosafafluoro-3-oxadecane-1-sulfonic acid (11Cl-PF30UDS)	--	--	--	--	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1	<2.0	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	<2.0	<10	<10	<1.9	<9.9	<10	<10	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	<3.9	<9.9	<10	<10	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	<3.9	<9.9	<10	<10	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	<3.9	<9.9	<10	<10	<10
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECBS)	--	--	--	--	--	--	--	2400	2200	2100	2400	2400
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	<1.9	<2.0	<2.1	<2.0	<2.0
Total Per-and Polyfluoroalkyl Substances	--	--	--	949.1	995.0	994.4	727.0	843.3	3067.3	2826.6	2750.6	3189.9

Notes

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TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-12S	OBG MW-12S	OBG MW-12S	OBG MW-12S	OBG MW-12S	OBG MW-12S	OBG MW-12S	OBG MW-12S
	Sample Date:	GSI		1/2/2019	6/5/2019	6/22/2020	6/15/2021	6/12/2022	6/13/2023	6/11/2024	6/4/2025
		Drinking Water	GSI								
Perfluorobutanoic Acid (PFBA)	--	--	<20	<19	19	<10	<10	<10	<10	<10	2.6 J
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<9.5	<3.9	<4.1	<4.1	<4.0	<4.1	<4.1	<4.1
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	<10	<9.5	3.7	4.1	3.9 1	3.4	2.7	2.8	2.8
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<9.5	5.1	4.6	5.5	4.0	3.8	3.3	3.3
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<9.5	5.6	2.1 J	<2.1	<2.0	<2.1	<2.0	<2.0
Perfluorooctanoic Acid (PFOA)	8	170	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	0.97 J
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	20	15	17	14	19 1	14	13	13	13
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	10	12	15	11	16 1	11	10	11	11
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<9.5	2.4	2.3	2.8 1	2.3	1.8 J	2.1	2.1
Perfluorononanoic Acid (PFNA)	6	30	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<9.5	<2.0	<2.0	<2.1 I	<2.0	<2.1	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<9.5	4.9	5.0	5.9	4.8	4.1	5.8	5.8
Perfluorodecanoic Acid (PFDA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<9.5	<3.9	<4.1	<4.2	<4.0	<4.1	<4.1	<4.1
Perfluorooctane Sulfonic Acid (PFOS)	16	12	300	150	220	180	210	170	160	170	170
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	50	23	42	32	39	36	31	42	42
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	250	130	180	140	170	130	120	130	130
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<9.5	<3.9	<4.1	<4.2	<4.0	<4.1	<4.1	<4.1
11-chlorooicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDs)	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF30NS)	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.1	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	<2.0	<10	<10	<2.0	<10	<10	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	<4.0	<10	<10	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	<4.0	<10	<10	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	<4.0	<10	<10	<10
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	<2.0	<2.1	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECBS)	--	--	--	--	--	--	--	1000	740	640	640
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	<2.0	<2.1	<2.0	<2.0
Total Per- and Polyfluoroalkyl Substances	--	--	320.0	165.0	275.3	209.8	244.3	1196.2	923.6	838.5	838.5

Notes

- 1) Detections in **bold**.
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- 6) Dup = Duplicate sample.
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- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
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- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-13	OBG MW-13	OBG MW-13	OBG MW-13	OBG MW-13	OBG MW-13	OBG MW-13	OBG MW-13
	Sample Date:	GSI		10/19/2018	6/6/2019	6/19/2020	6/14/2021	6/10/2022	6/12/2023	6/11/2024	6/10/2025
		Drinking Water	GSI								
Perfluorobutanoic Acid (PFBA)	--	--	--	<20	<19	13	<10	<10	<9.8	<9.7	<11
Perfluoropentanoic Acid (PFPeA)	--	--	--	<10	<9.7	<3.8	<4.1	<4.1	<3.9	<3.9	<4.3
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluoroheptanoic Acid (PFHpA)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<10	<9.7	2.3	5.1	<2.1	<2.0	<1.9	<2.1
Perfluorooctanoic Acid (PFOA)	8	170	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorononanoic Acid (PFNA)	6	30	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorodecanoic Acid (PFDA)	--	--	--	<20	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<10	<9.7	<3.8	<4.1	<4.1	<3.9	<3.9	<4.3
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<10	<9.7	<3.8	<4.1	<4.1	<3.9	<3.9	<4.3
11-chlorooicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<1.9	<2.1	<2.1	<2.0	<1.9	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	<1.9	<10	<10	<2.0	<9.7	<11
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<9.7	<11
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<9.7	<11
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<9.7	<11
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<2.0	<1.9	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	<2.0	<1.9	<2.1
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<2.0	<1.9	<2.1
Total Per- and Polyfluoroalkyl Substances	--	--	--	0.0	0.0	15.3	5.1	0.0	0.0	0.0	0.0

Notes

- 1) Detections in **bold**.
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TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		OBG MW-14	OBG MW-14	OBG MW-14	OBG MW-14	OBG MW-14	OBG MW-14 TOPs Analysis	OBG MW-14	MW-DUP-061423 (OBG MW-14)	OBG MW-14	MW-DUP-2-06122024 (OBG MW-14)	OBG MW-14
		Drinking Water	GSI	10/19/2018	6/6/2019	6/25/2020	6/15/2021	6/14/2022	6/14/2022	6/14/2023	6/14/2023	6/12/2024	6/12/2024	6/11/2025
Perfluorobutanoic Acid (PFBA)	--	--	--	<20	<20	36	23	21	51	21	18	21	22	18
Perfluoropentanoic Acid (PFPeA)	--	--	--	<10	<10	5.5	6.7	7.1	51	8.5	6.1	6.3	6.1	9.4
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<10	<10	4.9	5.6	8.3 1	44	6.0	4.5	5.0	4.2	6.6
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	10	18	23	21	27	19	22	20	19	16	29	29
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<10	3.1	3.9	3.8	6.5	3.3	3.5	2.8	2.8	5.2	5.2
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	20	32	45	42	53 1	37	49	45	45	43	75	75
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<10	6.5	<4.0	<2.1	<6.0	12	10	<2.1	<2.1	<2.1	<2.1
Perfluorooctanoic Acid (PFOA)	8	170	20	18	26	24	35	29	28	22	29	28	22	22
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	100	120	130	180	240 1	180	170	150	170	170	190	190
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	100	100	110	160	210 1	150	150	130	150	150	160	160
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	10	18	20	29	37 1	28	26	24	29	25	36	36
Perfluorononanoic Acid (PFNA)	6	30	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<10	<2.0	<2.0	<2.1 1	<6.0 1	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	20	32	28	44	44 1	42	38	36	46	46	21	21
Perfluorodecanoic Acid (PFDA)	--	--	<20	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<10	<2.0	<2.0	<2.1 1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<10	<4.1	<4.0	<4.2	<12	<4.0	<4.1	<4.2	<4.2	<4.2	<4.2
Perfluorooctane Sulfonic Acid (PFOS)	16	12	540	1100	1300	1500	1800	1300	1600	1500	2100	1700	460	460
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	230	450	580	670	840	540	760	680	940	790	200	200
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	300	700	730	830	1000	680	860	770	1200	920	260	260
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
Perfluorotridecanoic Acid (PFTDA)	--	--	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<10	<4.1	<4.0	<4.2	<12	<4.0	<4.1	<4.2	<4.2	<4.2	<4.2
11-chloroicosasulfuro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	<2.0	<10	<10	<6.0	<2.0	<2.1	<10	<10	<11	<11
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<4.1	<10	<10	<11	<11
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<4.1	<10	<10	<11	<11
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<4.1	<10	<10	<11	<11
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECBS)	--	--	--	--	--	--	--	--	5700	5500	6100	4900	4900	4900
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<2.0	<2.1	<2.1	<2.1	<2.1	<2.1
Total Per- and Polyfluoroalkyl Substances	--	--	710.0	1320.0	1608.0	1850.2	2239.2	1759.5	7657.8	7315.1	8544.1	6938.1	5736.2	5736.2

Notes

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RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-17S	OBG MW-17S	OBG MW-17S (GW-DUP-2)	OBG MW-17S	OBG MW-17S (DUP-2)	OBG MW-17S	OBG MW-17S	OBG MW-17S	MW-DUP-061323 (OBG MW-17S)	OBG MW-17S	OBG MW-17S
		GSI												
	Sample Date:	Drinking Water	GSI	1/2/2019	6/6/2019	6/6/2019	6/22/2020	6/22/2020	6/15/2021	6/13/2022	6/13/2023	6/13/2023	6/11/2024	6/5/2025
Perfluorobutanoic Acid (PFBA)	--	--	<20	<20	<20	26	27	11	11	<9.9	<10	6.4 J	8.0 J	
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<9.8	<10	<3.9	<3.9	2.0 J	<3.9	<3.9	<4.0	<3.9	2.3 J	
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
Perfluorohexanoic Acid (PFHxA)	400,000	--	<10	<9.8	<10	<1.9	<1.9	1.9 J	<1.9	<2.0	<2.0	<2.0	1.6 J	
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	<10	<9.8	<10	2.0	1.9 J	2.6	2.7	2.1	2.3	2.7	3.4	
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	1.2 J	
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<9.8	<10	1.7 J	1.8 J	3.0	2.8	2.6	2.6	2.5	2.9	
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<9.8	<10	<1.9	<1.9	<4.0	<1.9	<2.0	<2.0	<2.0	<2.1	
Perfluorooctanoic Acid (PFOA)	8	170	<10	<9.8	<10	1.6 J	<1.9	2.0	2.2	2.9	2.2	3.3	4.5	
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	<10	11	15	9.7	8.7	9.7	13 1	9.6	8.7	8.9	15	
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	<10	9.9	13	8.5	7.1	7.8	11 1	7.8	7.3	7.2	12	
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<9.8	<10	<1.9	1.8 J	1.7 J	1.7 J1	<2.0	<2.0	1.7 J	2.3	
Perfluorononanoic Acid (PFNA)	6	30	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<9.8	<10	5.2	4.7	3.7	5.0 1	4.2	2.9	4.6	5.8	
Perfluorodecanoic Acid (PFDA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<9.8	<10	<3.9	<3.9	<4.0	<3.9	<3.9	<4.0	<3.9	<4.1	
Perfluorooctane Sulfonic Acid (PFOS)	16	12	460	430	470	580	590	460	540	380	400	480	560	
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	210	210	240	310	330	260	300	220	230	270	320	
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	250	220	240	290	280	200	240	160	170	190	240	
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<9.8	<10	<3.9	<3.9	<4.0	<3.9	<3.9	<4.0	<3.9	<4.1	
11-chlorooctadecafluoro-3-oxadecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.1	
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	<1.9	<1.9	<9.9	<9.7	<2.0	<2.0	<9.9	<10	
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	<3.9	<4.0	<9.9	<10	
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	<3.9	<4.0	<9.9	<10	
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	<3.9	<4.0	<9.9	<10	
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.1	
Perfluoro-4-ethylcyclohexanesulfonate (PFECyHS)	--	--	--	--	--	--	--	--	--	580	580	660	690	
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.1	
Total Per-and Polyfluoroalkyl Substances	--	--	460.0	441.0	485.0	626.2	634.1	495.9	576.7	981.4	998.7	1168.4	1294.7	

- Notes
- 1) Detections in **bold**.
 - 2) Concentrations in ng/L.
 - 3) < = Not detected at specified reporting limit.
 - 4) -- = Not analyzed/No criteria.
 - 5) * = Monitoring well has been abandoned.
 - 6) Dup = Duplicate sample.
 - 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
 - 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
 - 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
 - 10) Light gray header is most recent sampling event result.
 - 11) 1 - Qualifier ion out of range.
 - 12) B - Compound also found in associated method blank.
 - 13) E - Concentration exceeds calibration range.
 - 14) I - Matrix interference with internal standard.
 - 15) J - Estimated value less than reporting limit, but greater than MDL.
 - 16) X - Elevated reporting limit due to matrix interference.
 - 17) Y - Elevated reporting limit due to high target concentration.
 - 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-18S	OBG MW-18S	OBG MW-18S	OBG MW-18S	OBG MW-18S	OBG MW-18S	OBG MW-18S	OBG MW-18S	MW-DUP-2-20250605 (OBG MW-18S)
	Sample Date:	GSI		1/3/2019	6/4/2019	6/19/2020	6/10/2021	6/10/2022	6/13/2023	6/11/2024	6/5/2025	6/5/2025
		Drinking Water										
Perfluorobutanoic Acid (PFBA)	--	--	--	<20	<19	16	<10	<10	<9.9	<10	<9.8	<10
Perfluoropentanoic Acid (PFPeA)	--	--	--	<10	<9.5	<4.1	<4.1	<4.2	<3.9	<4.0	<3.9	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	0.80 J	1.2 J	0.98 J
Perfluoroheptanoic Acid (PFHpA)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<10	<9.5	<2.1	12	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctanoic Acid (PFOA)	8	170	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	<10	<9.5	1.9 J	2.0 J	2.3	2.0	2.2	2.3	2.8
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	1.5 J	1.5 J	2.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	6	30	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<10	<9.5	<4.1	<4.1	<4.2	<3.9	<4.0	<3.9	<4.0
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTriDA)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<10	<9.5	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<10	<9.5	<4.1	<4.1	<4.2	<3.9	<4.0	<3.9	<4.0
11-chlorooctadecafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	--	--	--	--	--	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9CI-PF3ONS)	--	--	--	--	--	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<2.1	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	<2.1	<10	<10	<2.0	<10	<9.8	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<10	<9.8	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<10	<9.8	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<10	<9.8	<10
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	9.1	7.7	8.3	8.9
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0
Total Per-and Polyfluoroalkyl Substances	--	--	--	0.0	0.0	17.9	14.0	2.3	11.1	10.7	11.8	12.7

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) I - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-21	OBG MW-21	OBG MW-21	OBG MW-21	OBG MW-21	OBG MW-21	OBG MW-21	OBG MW-21
	Sample Date:	GSI		1/2/2019	6/4/2019	6/18/2020	6/14/2021	6/12/2022	6/14/2023	6/12/2024	6/4/2025
		Drinking Water	GSI								
Perfluorobutanoic Acid (PFBA)	--	--	<20	<20	24	<10	<9.5	<10.0	4.1 J	2.1 J	
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<9.8	<4.1	<4.1	<3.8	<4.0	<4.0	<4.1	
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluorohexanoic Acid (PFHxA)	400,000	--	<10	<9.8	<2.1	1.8 J	<1.9	1.4 J	1.2 J	1.3 J	
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	<10	<9.8	8.9	2.6	3.2 1	2.2	1.8 J	<2.1	
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<9.8	2.2	3.3	4.3 1	2.6	<2.0	<2.1	
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<9.8	<2.1	5.7	<1.9	<2.0	<2.0	<2.1	
Perfluorooctanoic Acid (PFOA)	8	170	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	<10	<9.8	3.2	4.3	6.2 1	3.5	2.0	2.7	
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	<10	<9.8	1.6 J	2.5	3.4 1	2.0	<2.0	1.3 J	
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<9.8	1.8 J	1.7 J	2.8 1	<2.0	<2.0	1.4 J	
Perfluorononanoic Acid (PFNA)	6	30	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluorodecanoic Acid (PFDA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<9.8	<4.1	<4.1	<1.9	<4.0	<4.0	<4.1	
Perfluorooctane Sulfonic Acid (PFOS)	16	12	<10	<9.8	<2.1	<2.1	2.1 1	<3 X	<2.0	<2.1	
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<3 X	<2.0	<2.1	
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<3 X	<2.0	<2.1	
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0	<2.1	
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<9.8	<4.1	<4.1	<3.8	<4.0	<4.0	<4.1	
11-chlorooicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	<2.1	<2.1	<1.9	<2.0	<2.0	
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	<2.1	<2.1	<1.9	<2.0	<2.0	
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<2.1	<2.1	<1.9	<2.0	<2.0	
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	<2.1	<10	<9.5	<2.0	<9.9	
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<9.9	
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<9.9	
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<9.9	
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<2.0	<2.0	
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	400	190	
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<2.0	<2.0	
Total Per- and Polyfluoroalkyl Substances	--	--	0.0	0.0	38.3	17.7	15.8	409.7	199.1	186.1	

Notes

- 1) Detections in **bold**.
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- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
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- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
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- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-22	OBG MW-22 (DUP-1)	OBG MW-22	OBG MW-22 (GW-DUP-3)	OBG MW-22	OBG MW-22	MW-DUP-061621 (OBG MW-22)
	Sample Date:	GSI		1/3/2019	1/3/2019	6/6/2019	6/6/2019	6/24/2020	6/16/2021	6/16/2021
		Drinking Water	GSI							
Perfluorobutanoic Acid (PFBA)	--	--	<20	<20	<20	<19	<9.8	<10	<10	
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<10	<9.8	<9.5	<3.9	<4.1	<4.0	
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
Perfluorohexanoic Acid (PFHxA)	400,000	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	<10	<10	<9.8	<9.5	5.1	4.7	4.8	
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	10	10	9.6	6.9	5.8	5.7	
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<10	<9.8	<9.5	<2.0	<4.1	<4.0	
Perfluorooctanoic Acid (PFOA)	8	170	<10	10	<9.8	<9.5	7.2	7.2	7.1	
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	50	50	43	47	38	33	34	
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	40	40	39	41	34	28	30	
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<10	<9.8	<9.5	3.8	4.7	3.5	
Perfluorononanoic Acid (PFNA)	6	30	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	30	30	31	22	30	18	19	
Perfluorodecanoic Acid (PFDA)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<10	<9.8	<9.5	<3.9	<4.1	<4.0	
Perfluorooctane Sulfonic Acid (PFOS)	16	12	1620	1800	1800	1800	2300	1900	1900	
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	590	670	810	800	1200	1000	1000	
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	1020	1110	1000	1000	1200	840	900	
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
Perfluorotridecanoic Acid (PFTriDA)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<10	<9.8	<9.5	<2.0	<2.1	<2.0	
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<10	<9.8	<9.5	<3.9	<4.1	<4.0	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	--	--	--	--	--	--	--	<2.0	<2.1	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9CI-PF3ONS)	--	--	--	--	--	--	--	<2.0	<2.1	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	--	<2.0	<2.1	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	--	--	<2.0	<10	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	--
Total Per- and Polyfluoroalkyl Substances	--	--	1700.0	1900.0	1884.0	1878.6	2387.2	1968.7	1970.6	

- Notes
- 1) Detections in **bold**.
 - 2) Concentrations in ng/L.
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 - 4) -- = Not analyzed/No criteria.
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 - 6) Dup = Duplicate sample.
 - 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
 - 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
 - 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
 - 10) Light gray header is most recent sampling event result.
 - 11) 1 - Qualifier ion out of range.
 - 12) B - Compound also found in associated method blank.
 - 13) E - Concentration exceeds calibration range.
 - 14) I - Matrix interference with internal standard.
 - 15) J - Estimated value less than reporting limit, but greater than MDL.
 - 16) X - Elevated reporting limit due to matrix interference.
 - 17) Y - Elevated reporting limit due to high target concentration.
 - 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-22	MW-DUP-061422 (OBG MW-22)	OBG MW-22 Replicate	MW-DUP-061422 (OBG MW-22) Replicate	OBG MW-22 TOPs Analysis	OBG MW-22	OBG MW-22	OBG MW-22
	Sample Date:	GSI									
		Drinking Water	GSI	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2023	6/12/2024	6/9/2025
Perfluorobutanoic Acid (PFBA)	--	--	--	<10	13	<100 Y	<100 Y	35	<10	8.0 J	4.2 J
Perfluoropentanoic Acid (PFPeA)	--	--	--	<4.0	<4.1	<40 Y	<41 Y	46 I	<4.0	<3.8	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<2.0	<2.1	<20 Y	<21 Y	38	<2.0	<1.9	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	5.3	5.6	<20 Y	<21 Y	50 J	6.2	4.1	3.6
Perfluoroheptanoic Acid (PFHpA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	6.9	8.1 I	<20 Y	<21 Y	6.2	7.9	5.7	5.3
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
Perfluorooctanoic Acid (PFOA)	8	170	--	6.0	7.4	<20 Y	18 JY	6.5	3.6	4.5	5.1
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	32 I	37 I	34 Y	33 Y	27	33	28	26
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	27 I	32 I	27 Y	26 Y	23	29	24	22
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	5.1	5.4	<20 Y	<21 Y	<6.0	3.7	3.4	3.8
Perfluorononanoic Acid (PFNA)	6	30	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	1.0 J
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0 I	<2.0	<1.9	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	20	21	30 Y	<21 Y	18	17	20	18
Perfluorodecanoic Acid (PFDA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<4.0	<4.1	<20 Y	<41 Y	<12	<4.0	<3.8	<3.9
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	2300 E	2400 E	2300 Y	2300 Y	1500	1500	2000	2000
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	1300	1400	1300 Y	1300 Y	830	880	1200	1200
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	1000	1000	1000 Y	970 Y	670	630	770	780
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<4.0	<4.1	<40 Y	<41 Y	<12	<4.0	<3.8	<3.9
11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF30UdS)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9CI-PF30NS)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	<10	<10	<100 Y	<100 Y	<6.0	<2.0	<9.6	<9.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<9.6	<9.9
3-Perfluoropentyl propanoic acid (FPpPA (5:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<9.6	<9.9
3-Perfluoropropyl propanoic acid (FPpPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<9.6	<9.9
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<2.0	<1.9	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECyHS)	--	--	--	--	--	--	--	--	1800	1400	1200
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<2.0	<1.9	<2.0
Total Per- and Polyfluoroalkyl Substances	--	--	--	2370.2	2492.1	2364.0	2351.0	1681.7	3367.7	3470.3	3263.2

Notes

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Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-24*	OBG MW-25*
		GSI										(Abandoned)	(Abandoned)
	Sample Date:	Drinking Water	GSI	1/3/2019	6/6/2019	6/23/2020	6/10/2021	6/10/2022	6/12/2023	6/10/2024	6/10/2025	6/5/2019	6/22/2020
Perfluorobutanoic Acid (PFBA)	--	--	--	<20	<20	<10	<9.8	<10.0	<10	<9.4	<10	<20	<17 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	<10	<10	<4.0	<3.9	<4.0	<4.0	<3.7	<4.1	<10	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluoroheptanoic Acid (PFHpA)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<10	<10	<2.0	11	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorooctanoic Acid (PFOA)	8	170	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorononanoic Acid (PFNA)	6	30	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorodecanoic Acid (PFDA)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (EtFOSAA)	--	--	--	<10	<10	<4.0	<3.9	<4.0	<4.0	<3.7	<4.1	<10	<3.9
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorotridecanoic Acid (PFTriDA)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	<10	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<10	<10	<4.0	<3.9	<4.0	<4.0	<3.7	<4.1	<10	<3.9
11-chloroelicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	--	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	--	<1.9
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.1	--	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	<2.0	<9.8	<10	<2.0	<9.4	<10	--	<1.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<9.4	<10	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<9.4	<10	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<4.0	<9.4	<10	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<2.0	<1.9	<2.1	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	1.3 J	<1.9	1.8 J	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<2.0	<1.9	<2.1	--	--
Total Per- and Polyfluoroalkyl Substances	--	--	--	0.0	0.0	0.0	11.0	0.0	1.3	0.0	1.8	0.0	0.0

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		OBG MW-26	OBG MW-26	OBG MW-26	OBG MW-26	OBG MW-26 TOPs Analysis	OBG MW-26	OBG MW-26R	OBG MW-26R	OBG MW-26R
	Sample Date:	Drinking Water	GSI	6/6/2019	6/24/2020	6/15/2021	6/14/2022	6/14/2022	6/13/2023	11/13/2023	6/12/2024	6/6/2025
Perfluorobutanoic Acid (PFBA)	--	--	--	25	48	13	27	<30	15	48	41	32
Perfluoropentanoic Acid (PFPeA)	--	--	--	79	53	26	43	120 I	23	64	37	28
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<9.9	<1.9	<2.0	<2.1	<6.0 I	<1.9	<2.1	<2.0	<2.1
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	64	43	25	34	92	23	46	20	19
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	<9.9	5.4	4.7	4.7 1	<6.0	4.5	6.4	5.4	5.6
Perfluoroheptanoic Acid (PFHpA)	--	--	--	11	7.5	4.7	6.1	9.7	3.4	12	5.4	4.2
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	<9.9	8.5	6.3	9.9	7.1	7.7	9.8	9.2	11
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<9.9	<1.9	<4.0	<2.1	<6.0 I	<1.9	<2.1	<2.0	<2.1
Perfluorooctanoic Acid (PFOA)	8	170	--	41	32	31	37	23	21	48	22	22
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	40	34	33	41 1	39	41	38	38	53
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	36	31	29	36 1	33	36	33	33	48
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	<9.9	3.1	3.7	4.4	<6.0	4.3	4.7	2.7	4.2
Perfluorononanoic Acid (PFNA)	6	30	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<9.9	<1.9	<2.0	<2.1	<6.0 I	<1.9	<2.1	<2.0	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	18	12	11	13	12	13	16	10	14
Perfluorodecanoic Acid (PFDA)	--	--	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<9.9	<1.9	<2.0	<2.1	<6.0 I	<1.9	<2.1	<2.0	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<9.9	<3.8	<4.0	<4.1	<12 I	<3.9	<4.1	<4.1	<4.2
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	490	530	490	560	380	440	290	270	410
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	170	190	190	200	150	150	53	56	89
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	320	330	300	360	220	280	240	210	330
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<9.9	<1.9	<2.0	2.6	<6.0	<1.9	<2.1	<2.0	<2.1
Perfluorotridecanoic Acid (PFTriDA)	--	--	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<9.9	<1.9	<2.0	<2.1	<6.0 I	<1.9	<2.1	<2.0	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<9.9	<3.8	<4.0	<4.1	<12	<3.9	<4.1	<4.1	<4.2
11-chlorooicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0	<2.1
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	<1.9	<10	<10	<6.0	<1.9	<2.1	<10	<11
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<4.1	<10	<11
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<4.1	<10	<11
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<4.1	<10	<11
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<1.9	<2.1	<2.0	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	1200	1100	1100	1300
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<1.9	<2.1	<2.0	<2.1
Total Per- and Polyfluoroalkyl Substances	--	--	--	768.0	773.4	644.7	778.3	682.8	1791.6	1678.2	1558.0	1898.8

Notes

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- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
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TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		OBG MW-28	OBG MW-28 (DUP-3)	OBG MW-28	OBG MW-28	OBG MW-28	OBG MW-28	OBG MW-28
	Sample Date:	GSI		6/24/2020	6/24/2020	6/14/2021	6/13/2022	6/12/2023	6/11/2024	6/9/2025
		Drinking Water	GSI							
Perfluorobutanoic Acid (PFBA)	--	--	14	12	<10	<10	<9.9	<8.6	5.3 J	
Perfluoropentanoic Acid (PFPeA)	--	--	<3.8	<3.8	<4.2	<4.1	<3.9	<3.4	<4.2	
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Perfluorohexanoic Acid (PFHxA)	400,000	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	1.9 J	2.4	<2.1	2.4	2.3	1.4 J	2.4	
Perfluoroheptanoic Acid (PFHpA)	--	--	<1.9	<1.9	<2.1	1.5 J	<2.0	<1.7	1.4 J	
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<1.9	<1.9	<4.2	<2.1	<2.0	<1.7	<2.1	
Perfluorooctanoic Acid (PFOA)	8	170	7.2	6.1	<2.1	8.9	3.1	4.7	5.9	
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	2.3	2.1	<2.1	1.8 J	<2.0	<1.7	1.5 J	
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	1.9	1.8 J	<2.1	<2.1	<2.0	<1.7	1.2 J	
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Perfluorononanoic Acid (PFNA)	6	30	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<1.9	<1.9	<2.1	<2.1 I	<2.0	<1.7	<2.1	
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	1.4 J	
Perfluorodecanoic Acid (PFDA)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<3.8	<3.8	<4.2	<4.1	<3.9	<3.4	<4.2	
Perfluorooctane Sulfonic Acid (PFOS)	16	12	<1.9	<1.9	<2.1	2.8	<2.0	<1.7	<2.1	
Perfluorooctane Sulfonic Acid (PFOS -LN)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Perfluorooctane Sulfonic Acid (PFOS -BR)	--	--	<1.9	<1.9	<2.1	2.7	<2.0	<1.7	<2.1	
Perfluoroundecanoic Acid (PFUnDA)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Perfluorononane Sulfonic Acid (PFNS)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Perfluorododecanoic Acid (PFDoDA)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Perfluorotridecanoic Acid (PFTriDA)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Perfluorooctane Sulfonamide (FOSA)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<3.8	<3.8	<4.2	<4.1	<3.9	<3.4	<4.2	
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9CI-PF3ONS)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	<1.9	<1.9	<2.1	<2.1	<2.0	<1.7	<2.1	
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	<1.9	<1.9	<10	<10	<2.0	<8.6	<11	
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	<3.9	<8.6	<11	
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	<3.9	<8.6	<11	
3-Perfluoropropyl propanoic acid (FPpPA (3:3 FTCA))	--	--	--	--	--	--	<3.9	<8.6	<11	
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	<2.0	<1.7	<2.1	
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	4.6	3.5	3.0	
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	<2.0	<1.7	<2.1	
Total Per- and Polyfluoroalkyl Substances	--	--	25.4	22.6	0.0	17.4	10.0	9.6	20.9	

Notes

- 1) Detections in **bold**.
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- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
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- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
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- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		PZ-1	PZ-1	PZ-1	PZ-3* (Abandoned)	PZ-3* (Abandoned)	PZ-3* (Abandoned)
	Sample Date:	GSI		1/2/2019	6/6/2019	6/23/2020	1/3/2019	6/5/2019	6/24/2020
		Drinking Water	GSI						
Perfluorobutanoic Acid (PFBA)	--	--	--	<20	<20	<17 U	<20	<19	<33 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	<10	<10	<3.8	<10	<9.6	<3.8
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<10	<10	<1.9	<10	<9.6	<1.9
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	<10	<10	<1.9	10	14	8.9
Perfluoroheptanoic Acid (PFHpA)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	<10	<10	<1.9	10	11	13
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<10	<10	2.6	<10	<9.6	<1.9
Perfluorooctanoic Acid (PFOA)	8	170	--	<10	<10	<1.9	<10	<9.6	11
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	<10	<10	<1.9	50	42	46
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	<10	<10	<1.9	40	37	39
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	<10	<10	<1.9	<10	<9.6	7.3
Perfluorononanoic Acid (PFNA)	6	30	--	<10	<10	<1.9	<10	<9.6	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	<10	<10	<1.9	10	18	15
Perfluorodecanoic Acid (PFDA)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<10	<10	<3.8	<10	<9.6	<3.8
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	<10	<10	<1.9	300	620	860
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	<10	<10	<1.9	80	210	370
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	<10	<10	<1.9	210	410	490
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<10	<10	<1.9	<10	<9.6	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<10	<10	<3.8	<10	<9.6	<3.8
11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	--	--	--	--	--	<1.9	--	--	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9CI-PF3ONS)	--	--	--	--	--	<1.9	--	--	<1.9
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<1.9	--	--	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	<1.9	--	--	<1.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--
Total Per- and Polyfluoroalkyl Substances	--	--	--	0.0	0.0	2.6	380.0	705.0	953.9

Notes

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- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Perched Monitoring Well Sampling

Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels		MW-4-02* (Abandoned)	MW-18-13* (Abandoned)	MW-19-13	MW-19-13
	Sample Date:	Drinking Water	GSI	11/30/2016	11/29/2016	11/30/2016	6/12/2018
Perfluorobutanoic Acid (PFBA)	--	--	--	4.7	5.0	13	5.0 B
Perfluoropentanoic Acid (PFPeA)	--	--	--	<0.94 U	<0.93 U	16	3.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	--	--	--
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<0.75 U	<0.74 U	29	6.0
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	0.92 J	2.8	13	9.0
Perfluoroheptanoic Acid (PFHpA)	--	--	--	<0.76 U	<0.76 U	18	6.7
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	--	--	--
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<3.5	<3.6	<3.7	--
Perfluorooctanoic Acid (PFOA)	8	170	--	<0.71 U	3.9	39	16
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	<0.83 U	4.3	31	14 B
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	--	--	--
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	--	--	--
Perfluorononanoic Acid (PFNA)	6	30	--	<0.62 U	<0.62 U	<0.63	<0.25
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	--	--	--
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	<0.68 U	0.78 J	1.3 J	0.46 J
Perfluorodecanoic Acid (PFDA)	--	--	--	<0.42	<0.42	<0.42	<0.29
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	--	--	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	--	--	--
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	3.5	27	19	4.9
Perfluorooctane Sulfonic Acid (PFOS -LN)	--	--	--	--	--	--	--
Perfluorooctane Sulfonic Acid (PFOS -BR)	--	--	--	--	--	--	--
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<0.71	<0.71	<0.72	<1.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	--	--	--
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<0.56	<0.55	<0.56	<0.51
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<1.9	<1.9	<1.9	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	<1.9	<1.9	<1.9	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<1.9	<1.9	<1.9	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	0.65 J F1 B	0.60 J B	0.54 J B	<0.27
11-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--	--
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	--
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	--	--
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPpPA (3:3 FTCA))	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	--	--	9.8	44.4	179.8	65.1

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 3
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Drift Monitoring Well Sampling

Coldwater Road - Monitoring Wells - DRIFT Unit

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		B-20D	B-21D	B-22D	B-22D (DUP-2)	B-23Dr	B-23Dr (DUP-01-GW)
	Sample Date:	Drinking Water	GSI	9/19/2018	9/19/2018	6/13/2018	6/13/2018	9/21/2018	9/21/2018
Perfluorobutanoic Acid (PFBA)		--	--	<20	<20	0.72 J/B	0.63 J/B	<20	<20
Perfluoropentanoic Acid (PFPeA)		--	--	<10	<10	<0.48	<0.45	<10	<10
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)		--	--	<10	<10	--	--	<10	<10
Perfluorohexanoic Acid (PFHxA)		400,000	--	<10	<10	<0.57	<0.53	<10	<10
Perfluorobutane Sulfonic Acid (PFBS)		420	670,000	<10	<10	<0.20	<0.18	<10	<10
Perfluoroheptanoic Acid (PFHpA)		--	--	<10	<10	<0.25	<0.23	<10	<10
Perfluoropentane Sulfonic Acid (PFPeS)		--	--	<10	<10	--	--	<10	<10
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)		--	--	<10	<10	--	--	<10	<10
Perfluorooctanoic Acid (PFOA)		8	170	<10	<10	<0.83	<0.78	<10	<10
Perfluorohexane Sulfonic Acid (PFHxS)		51	210	<10	<10	<0.17	0.29 J/B	<10	<10
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)		--	--	<10	<10	--	--	<10	<10
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)		--	--	<10	<10	--	--	<10	<10
Perfluorononanoic Acid (PFNA)		6	30	<10	<10	<2.0	<1.8	<10	<10
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)		--	--	<10	<10	--	--	<10	<10
Perfluoroheptane Sulfonic Acid (PFHpS)		--	--	<10	<10	<0.19	<0.17	<10	<10
Perfluorodecanoic Acid (PFDA)		--	--	<10	<10	<2.0	<1.8	<10	<10
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)		--	--	<10	<10	--	--	<10	<10
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)		--	--	<10	<10	--	--	<10	<10
Perfluorooctane Sulfonic Acid (PFOS)		16	12	<10	<10	<0.53	<0.49	<10	<10
Perfluorooctane Sulfonic Acid (PFOS -LN)		--	--	<10	<10	--	--	<10	<10
Perfluorooctane Sulfonic Acid (PFOS -BR)		--	--	<10	<10	--	--	<10	<10
Perfluoroundecanoic Acid (PFUnDA)		--	--	<10	<10	<1.1	<1.0	<10	<10
Perfluorononane Sulfonic Acid (PFNS)		--	--	<10	<10	--	--	<10	<10
Perfluorododecanoic Acid (PFDoDA)		--	--	<10	<10	<2.0	<1.8	<10	<10
Perfluorodecane Sulfonic Acid (PFDS)		--	--	<10	<10	<2.0	<1.8	<10	<10
Perfluorotridecanoic Acid (PFTriDA)		--	--	<10	<10	<2.0	<1.8	<10	<10
Perfluorooctane Sulfonamide (FOSA)		--	--	<10	<10	--	--	<10	<10
Perfluorotetradecanoic Acid (PFTeDA)		--	--	<10	<10	<2.0	<1.8	<10	<10
11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF30UDS)		--	--	--	--	--	--	--	--
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF30NS)		--	--	--	--	--	--	--	--
4,8-dioxo-3H-perfluorononanoic acid (ADONA)		--	--	--	--	--	--	--	--
Hexafluoropropylene oxide dimer (HFPO-DA)		370	--	--	--	--	--	--	--
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))		--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))		--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))		--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)		--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECBS)		--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)		--	--	--	--	--	--	--	--
Total Per- and Polyfluoroalkyl Substances		--	--	0.0	0.0	0.7	0.9	0.0	0.0

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) I - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) OA/OC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 3
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Drift Monitoring Well Sampling

Coldwater Road - Monitoring Wells - DRIFT Unit

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		B-27D	B-27D	B-27D	B-27D	MW-DUP-061121 (B-27D)	B-27D	B-27D	B-27D	B-27D
		Drinking Water	GSI	6/20/2017	6/12/2018	6/17/2020	6/11/2021	6/11/2021	6/9/2022	6/8/2023	6/5/2024	6/4/2025
Perfluorobutanoic Acid (PFBA)	--	--	--	2.0 B	0.47 J/B	12	<10	<10	<10	<10	<9.8	<10
Perfluoropentanoic Acid (PFPeA)	--	--	--	<0.95	0.26 J	<3.9	<4.1	<4.1	<4.1	<4.1	<3.9	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<0.75	<0.53	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	<0.88	<0.18	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	--	--	<0.77	<0.23	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	--	--	<2.0	<4.1	<4.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctanoic Acid (PFOA)	8	170	--	<0.72	<0.78	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	<0.83	0.23 J/B	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	6	30	--	<0.63	<1.8	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	<0.68	<0.17	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	--	<0.42	<1.8	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	--	<3.9	<4.1	<4.1	<4.0	<4.1	<3.9	<4.0
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	<1.2	<0.49	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	1.4 J	<1.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<0.56	<1.8	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<1.2	<1.8	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTriDA)	--	--	--	<0.53	<1.8	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<0.19	<1.8	<3.9	<4.1	<4.1	<4.0	<4.1	<3.9	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF30UdS)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9CI-PF3ONS)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	<2.0	<10	<10	<10	<4.1	<9.8	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	<4.1	<9.8	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	<4.1	<9.8	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	<4.1	<9.8	<10
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECBS)	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Total Per- and Polyfluoroalkyl Substances	--	--	--	3.4	1.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 3
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Drift Monitoring Well Sampling

Coldwater Road - Monitoring Wells - DRIFT Unit

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		OBG MW-12D	OBG MW-12D	OBG MW-12D	OBG MW-15D	OBG MW-15D (DUP-1)	OBG MW-15D	OBG MW-15D
	Sample Date:	Drinking Water	GSI	10/22/2018	6/5/2019	6/22/2020	10/23/2018	10/23/2018	6/6/2019	6/19/2020
Perfluorobutanoic Acid (PFBA)	--	--	--	<20	<20	<9.9 U	<20	<20	<19	<10
Perfluoropentanoic Acid (PFPeA)	--	--	--	<10	<9.8	<3.9	<10	<10	<9.6	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorooctanoic Acid (PFOA)	8	170	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorononanoic Acid (PFNA)	6	30	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<10	<9.8	<3.9	<10	<10	<9.6	<4.0
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorooctane Sulfonic Acid (PFOS -LN)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorooctane Sulfonic Acid (PFOS -BR)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorotridecanoic Acid (PFTriDA)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<10	<9.8	<1.9	<10	<10	<9.6	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<10	<9.8	<3.9	<10	<10	<9.6	<4.0
11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	<1.9	--	--	--	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	<1.9	--	--	--	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<1.9	--	--	--	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	<1.9	--	--	--	<2.0
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECBS)	--	--	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	--
Total Per- and Polyfluoroalkyl Substances	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) OA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 3
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Drift Monitoring Well Sampling

Coldwater Road - Monitoring Wells - DRIFT Unit

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		B-2D* (Abandoned)	B-2D* (Abandoned)	B-2D* (DUP-071918) (Abandoned)	OBG MW-16D	OBG MW-16D	OBG MW-16D
		Drinking Water	GSI	6/13/2018	7/19/2018	7/19/2018	10/22/2018	6/4/2019	6/18/2020
Perfluorobutanoic Acid (PFBA)	--	--	--	1.8 J/B	2.7 B	2.8 B	<20	<20	<16 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	1.2 J	<0.41	0.44 J	<10	<10	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	--	--	<10	<10	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	0.78 J	<0.49	0.70 J	<10	<10	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	1.5 J	1.0 J	0.97 J	<10	<10	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.52 J	0.47 J	0.42 J	<10	<10	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	3.2	2.9	<10	<10	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	--	--	--	<10	<10	<2.0
Perfluorooctanoic Acid (PFOA)	8	170	--	3.3	3.1	3.7	<10	<10	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	13 B	13 B	12 B	<10	<10	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	--	--	<10	<10	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	--	--	<10	<10	<2.0
Perfluorononanoic Acid (PFNA)	6	30	--	<1.7	<1.7	<1.7	<10	<10	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	2.9	2.4	2.6	<10	<10	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	2.9	2.4	2.6	<10	<10	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	--	<1.9	<1.7	<1.7	<10	<10	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	--	--	<10	<10	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	--	--	<10	<10	<3.9
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	110	99	98	<10	<10	<2.0
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	--	--	--	<10	<10	<2.0
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	--	--	--	<10	<10	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<1.0	<0.93	<0.92	<10	<10	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	--	--	<10	<10	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<1.9	<1.7	<1.7	<10	<10	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<1.9	<1.7	<1.7	<10	<10	<2.0
Perfluorotridecanoic Acid (PFTriDA)	--	--	--	<1.9	<1.7	<1.7	<10	<10	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	--	--	--	--	<10	<10	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<1.9	<1.7	<1.7	<10	<10	<3.9
11-chlorooctadecafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--	--	--	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	--	--	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	--	--	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	--	--	--	<2.0
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECBS)	--	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--
Total Per- and Polyfluoroalkyl Substances	--	--	--	135.0	124.9	124.5	0.0	0.0	0.0

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) OA/OC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 3
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Drift Monitoring Well Sampling

Coldwater Road - Monitoring Wells - DRIFT Unit

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		OBG MW-17D	OBG MW-17D	OBG MW-17D	OBG MW-18D	OBG MW-18D	OBG MW-18D
		Drinking Water	GSI	10/22/2018	6/5/2019	6/22/2020	10/19/2018	6/6/2019	6/23/2020
Perfluorobutanoic Acid (PFBA)		--	--	<20	<19	<17 U	<20	<20	11
Perfluoropentanoic Acid (PFPeA)		--	--	<10	<9.6	<3.8	<10	<10	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorohexanoic Acid (PFHxA)		400,000	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorobutane Sulfonic Acid (PFBS)		420	670,000	<10	<9.6	<1.9	<10	<10	<2.0
Perfluoroheptanoic Acid (PFHpA)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorooctanoic Acid (PFOA)		8	170	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)		51	210	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorononanoic Acid (PFNA)		6	30	<10	<9.6	<1.9	<10	<10	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorodecanoic Acid (PFDA)		--	--	<10	<9.6	<1.9	<20	<10	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)		--	--	<10	<9.6	<3.8	<10	<10	<4.0
Perfluorooctane Sulfonic Acid (PFOS)		16	12	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorooctane Sulfonic Acid (PFOS -LN)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorooctane Sulfonic Acid (PFOS -BR)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluoroundecanoic Acid (PFUnDA)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorononane Sulfonic Acid (PFNS)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorododecanoic Acid (PFDoDA)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorodecane Sulfonic Acid (PFDS)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorotridecanoic Acid (PFTrDA)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorooctane Sulfonamide (FOSA)		--	--	<10	<9.6	<1.9	<10	<10	<2.0
Perfluorotetradecanoic Acid (PFTeDA)		--	--	<10	<9.6	<3.8	<10	<10	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)		--	--	--	--	<1.9	--	--	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9CI-PF3ONS)		--	--	--	--	<1.9	--	--	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)		--	--	--	--	<1.9	--	--	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)		370	--	--	--	<1.9	--	--	<2.0
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))		--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))		--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))		--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)		--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)		--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)		--	--	--	--	--	--	--	--
Total Per- and Polyfluoroalkyl Substances		--	--	0.0	0.0	0.0	0.0	0.0	11.0

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 3
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Drift Monitoring Well Sampling

Coldwater Road - Monitoring Wells - DRIFT Unit

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		OBG MW-19D	OBG MW-19D	OBG MW-19D	MW-15-10	MW-15-10
		Drinking Water	GSI					
	Sample Date:			10/23/2018	6/5/2019	6/23/2020	9/21/2018	6/19/2020
Perfluorobutanoic Acid (PFBA)	--	--	--	<20	<19	<9.7	<20	<21 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	<10	<9.7	<3.9	<10	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	<10	<9.7	<1.9	<10	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	<10	<9.7	<1.9	<10	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorooctanoic Acid (PFOA)	8	170	--	<10	<9.7	<1.9	<10	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	<10	<9.7	<1.9	<10	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorononanoic Acid (PFNA)	6	30	--	<10	<9.7	<1.9	<10	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	--	<10	<9.7	<1.9	<10	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<10	<9.7	<1.9	<10	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<10	<9.7	<3.9	<10	<4.0
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	<10	<9.7	<1.9	<10	<2.0
Perfluorooctane Sulfonic Acid (PFOS -LN)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorooctane Sulfonic Acid (PFOS -BR)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorotridecanoic Acid (PFTriDA)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<10	<9.7	<1.9	<10	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<10	<9.7	<3.9	<10	<4.0
11-chlorooicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	<1.9	--	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	<1.9	--	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<1.9	--	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	<1.9	--	<2.0
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--
Total Per- and Polyfluoroalkyl Substances	--	--	--	0.0	0.0	0.0	0.0	0.0

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
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- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) OA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 3
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Drift Monitoring Well Sampling

Coldwater Road - Monitoring Wells - DRIFT Unit

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		PFW-1	PFW-1	MW-16-10	MW-16-10 (Duplicate)	MW-16-10	MW-16-10
	Sample Date:	Drinking Water	GSI	9/21/2018	6/23/2020	11/29/2016	11/29/2016	6/13/2018	6/19/2020
Perfluorobutanoic Acid (PFBA)	--	--	--	<20	<18 U	<0.45 U	0.87 J	0.40 J/B	<9.7
Perfluoropentanoic Acid (PFPeA)	--	--	--	<10	<4.0	<0.98 U	<0.97 U	<0.46	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<10	<2.0	--	--	--	<1.9
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	<10	<2.0	<0.78 U	<0.77 U	<0.55	<1.9
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	<10	<10	<2.0	<0.91 U	<0.90 U	<0.19	<1.9
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<10	<2.0	<0.79 U	<0.79 U	<0.24	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<10	<2.0	--	--	--	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<10	<2.0	<3.8	<3.7	--	<1.9
Perfluorooctanoic Acid (PFOA)	8	170	<10	<10	<2.0	<0.74 U	<0.73 U	<0.80	<1.9
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	<10	<10	<2.0	<0.86 U	<0.85 U	0.30 J/B	<1.9
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	<10	<10	<2.0	--	--	--	<1.9
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<10	<2.0	--	--	--	<1.9
Perfluorononanoic Acid (PFNA)	6	30	<10	<10	<2.0	<0.65 U	<0.64 U	<0.26	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<10	<2.0	--	--	--	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<10	<2.0	<0.71 U	<0.70 U	<0.18	<1.9
Perfluorodecanoic Acid (PFDA)	--	--	<10	<10	<2.0	<0.44	<0.43	<0.29	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<10	<2.0	--	--	--	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<10	<4.0	--	--	--	<3.9
Perfluorooctane Sulfonic Acid (PFOS)	16	12	<10	<10	<2.0	<1.3 U	<1.3 U	<0.51	<1.9
Perfluorooctane Sulfonic Acid (PFOS -LN)	--	--	<10	<10	<2.0	--	--	--	<1.9
Perfluorooctane Sulfonic Acid (PFOS -BR)	--	--	<10	<10	<2.0	--	--	--	<1.9
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<10	<2.0	<0.74	<0.73	<1.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<10	<2.0	--	--	--	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<10	<2.0	<0.58	<0.57	<0.52	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<10	<2.0	<2.0 U	<2.0 U	<1.9	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<10	<2.0	<2.0	<2.0	<1.9	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<10	<2.0	<2.0	<2.0	<1.9	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<10	<4.0	0.42 J B	0.50 J B	<0.27	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF30UdS)	--	--	--	--	<2.0	--	--	--	<1.9
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF30NS)	--	--	--	--	<2.0	--	--	--	<1.9
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.0	--	--	--	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	<2.0	--	--	--	<1.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--
Total Per- and Polyfluoroalkyl Substances	--	--	0.0	0.0	0.4	1.4	0.7	0.0	

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) 1 - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 3
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Drift Monitoring Well Sampling

Coldwater Road - Monitoring Wells - DRIFT Unit

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		OBG MW-23	OBG MW-23	OBG MW-23	OBG MW-23	OBG MW-23	OBG MW-23	OBG MW-23	OBG MW-23
		Drinking Water	GSI	1/3/2019	6/4/2019	6/23/2020	6/14/2021	6/13/2022	6/13/2023	6/11/2024	6/9/2025
Perfluorobutanoic Acid (PFBA)		--	--	<20	<19	<22 U	<11	<10	<10	<10.0	<9.8
Perfluoropentanoic Acid (PFPeA)		--	--	<10	<9.7	<4.1	<4.2	<4.1	<4.0	<4.0	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)		400,000	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorobutane Sulfonic Acid (PFBS)		420	670,000	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid (PFHpA)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)		--	--	<10	<9.7	<2.1	<4.2	<2.1	<2.0	<2.0	<2.0
Perfluorooctanoic Acid (PFOA)		8	170	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)		51	210	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorononanoic Acid (PFNA)		6	30	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)		--	--	<10	<9.7	<4.1	<4.2	<4.1	<4.0	<4.0	<3.9
Perfluorooctane Sulfonic Acid (PFOS)		16	12	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (PFOS-LN)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (PFOS-BR)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)		--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)		--	--	<10	<9.7	<4.1	<4.2	<4.1	<4.0	<4.0	<3.9
11-chlorooctadecafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)		--	--	--	--	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)		--	--	--	--	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)		--	--	--	--	<2.1	<2.1	<2.1	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)		370	--	--	--	<2.1	<11	<10	<4.0	<10.0	<9.8
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))		--	--	--	--	--	--	--	<4.0	<10.0	<9.8
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))		--	--	--	--	--	--	--	<4.0	<10.0	<9.8
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))		--	--	--	--	--	--	--	<4.0	<10.0	<9.8
Perfluorobutanesulfonamide (PFBSA)		--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECyHS)		--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluorohexanesulfonamide (PFHxSA)		--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Total Per- and Polyfluoroalkyl Substances		--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) I - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
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- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 3
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Drift Monitoring Well Sampling

Coldwater Road - Monitoring Wells - DRIFT Unit

Well/Sample ID:			EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values	OBG MW-27	OBG MW-27	OBG MW-27	OBG MW-27	OBG MW-27	OBG MW-27	OBG MW-27	OBG MW-27R	OBG MW-27R	OBG MW-27R	MW-DUP-3-20250606 (OBG MW-27R)
Perfluorinated Compound	Sample Date:	Drinking Water	GSI	11/21/2019	1/16/2020	6/24/2020	6/15/2021	6/14/2022	11/1/2022	6/13/2023	11/13/2023	6/12/2024	6/6/2025	6/6/2025
Perfluorobutanoic Acid (PFBA)	--	--	--	<20	<20	<33 U	<10	35	<10	16	4.9 J	5.1 J	4.9 J	4.5 J
Perfluoropentanoic Acid (PFPeA)	--	--	--	19	<10	3.3 J	5.6	46	<4.0	21	<3.9	<3.8	<4.4	<4.2
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	18	<10	3.5	5.6	35	2.1	19	1.9 J	2.1	2.3	2.4
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	12	12	18	15	5.0	10	5.9	8.3	8.8	15	15
Perfluoroheptanoic Acid (PFHpA)	--	--	--	<9.9	<10	<1.9	<2.0	4.4 1	<2.0	3.3	<2.0	<1.9	1.0 J	0.84 J
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	17	18	21	16	9.2	17	8.0	14	16	21	20
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<9.9	<10	<1.9	4.4	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
Perfluorooctanoic Acid (PFOA)	8	170	--	12	<10	5.6	4.7	15	3.4	11	4.8	5.2	6.7	6.2
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	41	40	40	38	42 1	38	36	35	30	43	43
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	31	30	28	28	38 1	29	32	27	22	33	33
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	10	<10	9.7	9.4	3.3	8.5	3.6	8.2	7.4	10	10
Perfluorononanoic Acid (PFNA)	6	30	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.2
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	<9.9	<10	1.9	2.6	15	2.7	12	1.4 J	<1.9	1.9 J	1.9 J
Perfluorodecanoic Acid (PFDA)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<9.9	<10	<3.9	<4.0	<3.9	<4.0	<3.9	<3.9	<3.8	<4.4	<4.2
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	25	18	28	84	480	68	450	14	14	19	16
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	<9.9	<10	3.5	17	130	22	250	<2.0	<1.9	<2.2	<2.2
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	20	18	24	66	350	46	200	13	13	19	16
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
Perfluorotridecanoic Acid (PFTriDA)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<9.9	<10	<3.9	<4.0	<3.9	<4.0	<3.9	<3.9	<3.8	<4.4	<4.2
11-chlorooctadecafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.2	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	<9.9	<10	<1.9	<10	<9.8	<10	<2.0	<2.0	<9.6	<11	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	<3.9	<3.9	<9.6	<11	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	<3.9	<3.9	<9.6	<11	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	<3.9	<3.9	<9.6	<11	<10
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<1.9	<2.2	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	--	1100	970	1000	1200	1200
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<1.9	<2.2	<2.1
Total Per- and Polyfluoroalkyl Substances	--	--	--	144.0	88.0	121.3	175.9	686.6	141.2	1682.2	1054.3	1081.2	1314.8	1309.8

- Notes
- 1) Detections in **bold**.
 - 2) Concentrations in ng/L.
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 - 4) -- = Not analyzed/No criteria.
 - 5) * = Monitoring well has been abandoned.
 - 6) Dup = Duplicate sample.
 - 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
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 - 17) Y - Elevated reporting limit due to high target concentration.
 - 18) OA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 3
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Drift Monitoring Well Sampling

Coldwater Road - Monitoring Wells - DRIFT Unit

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		OBG MW-29	OBG MW-29	OBG MW-29	MW-DUP-061322 (OBG MW-29)	OBG MW-29	OBG MW-29	OBG MW-29	PZ-2* (Abandoned)	PZ-2* (Abandoned)	PZ-2* (Abandoned)
		Drinking Water	GSI	12/18/2020	6/14/2021	6/13/2022	6/13/2022	6/12/2023	6/11/2024	6/6/2025	1/3/2019	6/4/2019	6/23/2020
Perfluorobutanoic Acid (PFBA)	--	--	--	<10	<11	<14 X	<9.8	<10.0	<10	<10	<20	<19	<10
Perfluoropentanoic Acid (PFPeA)	--	--	--	<4.0	<4.3	<3.8	<3.9	1.4 J	<4.1	<4.1	<10	<9.6	<4.1
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<10	<9.6	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	2.2	2.4	2.4	1.9	4.6	2.0	2.6	2.2	<10	<9.6	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	17	8.7	15	17	12	9.8	14	14	<10	<9.6	<4.1 X
Perfluoroheptanoic Acid (PFHpA)	--	--	<2.0	<2.1	<1.9	1.5 J	<2.0	<2.1	1.2 J	<10	<9.6	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	18	12	21	24 1	19	16	20	<10	<9.6	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<2.0	3.3 J	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
Perfluorooctanoic Acid (PFOA)	8	170	<2.0	2.8	<1.9	<2.0	2.9	3.6	3.9	<10	<9.6	<2.0	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	27	22	37 1	38 1	29	27	36	<10	<9.6	<2.0	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	20	16	25 1	26 1	20	19	26	<10	<9.6	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	6.7	5.9	12	12	7.9	8.1	11	<10	<9.6	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	6	30	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<2.0	<2.1	<1.9 I	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<4.0	<4.3	<3.8	<3.9	<4.0	<4.1	<4.1	<4.1	<10	<9.6	<4.1
Perfluorooctane Sulfonic Acid (PFOS)	16	12	<4.0 X	<2.1	3.0 1	3.7 1	<2.0	<2.7 X	2.9	<10	<9.6	<2.0	<2.0
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	<4.0 X	<2.1	2.6 1	3.4 1	<2.0	<2.3 X	2.8	<10	<9.6	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
Perfluorotridecanoic Acid (PFTriDA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	<10	<9.6	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<2.0	<4.3	<3.8	<3.9	<4.0	<4.1	<4.1	<4.1	<10	<9.6	<4.1
11-chlorooicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UdS)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	--	--	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	--	--	<2.0
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<2.1	<2.1	--	--	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	<2.0	<11	<9.6	<9.8	<2.0	<2.0	<10	<10	--	--	<2.0
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	<4.0	<10	<10	<10	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	<4.0	<10	<10	<10	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	<4.0	<10	<10	<10	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	<2.0	<2.1	<2.1	<2.1	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECBS)	--	--	--	--	--	--	940	900	920	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	<2.0	<2.1	<2.1	<2.1	--	--	--
Total Per- and Polyfluoroalkyl Substances	--	--	64.2	51.2	76.0	88.8	1006.3	959.0	1000.2	0.0	0.0	0.0	0.0

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) I - Qualifier ion out of range.
- 12) B - Compound also found in associated method blank.
- 13) E - Concentration exceeds calibration range.
- 14) I - Matrix interference with internal standard.
- 15) J - Estimated value less than reporting limit, but greater than MDL.
- 16) X - Elevated reporting limit due to matrix interference.
- 17) Y - Elevated reporting limit due to high target concentration.
- 18) OA/OC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 4
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Vault Samples

Coldwater Rd - VAULT Samples

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		Vault A	Vault A	Vault A	Vault A	Vault A	Vault A	Vault A	Vault A
		Drinking Water	GSI	6/19/2017	6/12/2018	6/25/2020	6/16/2021	6/6/2022	6/6/2023	6/4/2024	6/3/2025
Perfluorobutanoic Acid (PFBA)		--	--	18 B	13 B	30	<10	12	<9.8	16	11
Perfluoropentanoic Acid (PFPeA)		--	--	1.9	3.1	<4.0	1.7 J	<3.9	1.7 J	2.7 J	2.6 J
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)		--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)		400,000	--	4.9	4.7	2.4	2.7	2.2	3.1	4.1	3.5
Perfluorobutane Sulfonic Acid (PFBS)		420	670,000	9.3	8.5	5.4	5.2	4.9	5.7	6.9	7.1
Perfluoroheptanoic Acid (PFHpA)		--	--	4.4	3.4	1.7 J	<2.0	2.3	1.5 J	1.7 J	2.4
Perfluoropentane Sulfonic Acid (PFPeS)		--	--	--	--	6.8	6.9	9.5	6.9	9.5	9.3
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)		--	--	--	--	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctanoic Acid (PFOA)		8	170	16	15	9.7	7.4	4.8	6.3	12	11
Perfluorohexane Sulfonic Acid (PFHxS)		51	210	32	27 B	21	18	19	21	27	34
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)		--	--	--	--	17	15	15	18	22	28
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)		--	--	--	--	3.1	3.0	3.2	3.5	5.0	5.5
Perfluorononanoic Acid (PFNA)		6	30	<0.64	<0.24	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)		--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)		--	--	7.2	6.5	6.2	4.1	5.5	5.1	6.8	6.3
Perfluorodecanoic Acid (PFDA)		--	--	<0.43	<0.28	<2.0	<2.0	<2.0	2.3	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)		--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)		--	--	--	--	<4.0	<4.0	<3.9	<3.9	<4.1	<4.0
Perfluorooctane Sulfonic Acid (PFOS)		16	12	450	460	430	410	360	370	410	440
Perfluorooctane Sulfonic Acid (PFOS-LN)		--	--	--	--	220	200	180	200	210	230
Perfluorooctane Sulfonic Acid (PFOS-BR)		--	--	--	--	220	200	180	170	210	210
Perfluoroundecanoic Acid (PFUnDA)		--	--	<0.73	<0.98	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)		--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDDoDA)		--	--	<0.57	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)		--	--	<1.2	<0.29	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTTrDA)		--	--	<0.54	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)		--	--	<0.62	<0.31	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTTeDA)		--	--	<0.19	0.45 J	<4.0	<4.0	<3.9	<3.9	<4.1	<4.0
11-chlorooctadecafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)		--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)		370	--	--	--	<2.0	<10	<9.9	<3.9	<10	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))		--	--	--	--	--	--	--	<3.9	<10	<10
3-Perfluoropentyl propanoic acid (FPpPA (5:3 FTCA))		--	--	--	--	--	--	--	<3.9	<10	<10
3-Perfluoropropyl propanoic acid (FPpPA (3:3 FTCA))		--	--	--	--	--	--	--	<3.9	<10	<10
Perfluorobutanesulfonamide (PFBSA)		--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECBS)		--	--	--	--	--	--	--	1100	1600	1400
Perfluorohexanesulfonamide (PFHxSA)		--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Total Per-and Polyfluoroalkyl Substances		--	--	1009.7	1016.7	952.9	873.4	785.0	1523.6	2096.7	1927.2

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) B - Compound also found in associated method blank.
- 12) I - Matrix interference with internal standard.
- 13) J - Estimated value less than reporting limit, but greater than MDL.
- 14) X - Elevated reporting limit due to matrix interference.
- 15) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 4
RACER Trust - Coldwater Road
Per- and Polyfluoroalkyl Substances Sampling Results - Vault Samples

Coldwater Rd - VAULT Samples

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		Vault B	Vault C	Vault C	Vault C (DUP-1)	Vault C	Vault C	Vault-DUP-061621 (Vault-C)
		Drinking Water	GSI	6/19/2017	6/19/2017	6/12/2018	6/12/2018	6/25/2020	6/16/2021	6/16/2021
Perfluorobutanoic Acid (PFBA)	--	--	--	4.6 B	19 B	13 B	13 B	34	13	14
Perfluoropentanoic Acid (PFPeA)	--	--	--	<0.98	<0.94	1.7 J	2.4	<4.0	<4.0	<4.1
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	0.79 J	6.0	2.4	2.4	1.9 J	2.8	2.3
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	4.1	<0.88	7.4	4.7	5.5	6.1	5.6
Perfluorohexanoic Acid (PFHpA)	--	--	--	<0.79	3.3	2.7	2.2	1.5 J	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	--	--	--	6.1	5.6	6.3
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	--	--	--	--	<2.0	<4.0	<4.1
Perfluorooctanoic Acid (PFOA)	8	170	--	4.1	12	12	12	9.0	7.7	8.6
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	12	<0.83	19 B	19 B	17	18	19
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	--	--	--	13	14	15
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	--	--	--	3.5	2.9	3.9
Perfluorononanoic Acid (PFNA)	6	30	--	<0.65	<0.62	<0.26	<0.26	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	2.4	<0.68	6.0	5.6	4.0	5.1	5.3
Perfluorodecanoic Acid (PFDA)	--	--	--	<0.44	<0.42	<0.30	<0.30	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	--	--	--	<4.0	<4.0	<4.1
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	150	440	380	400	430	400	390
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	--	--	--	--	240	220	220
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	--	--	--	--	180	170	170
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<0.74	<0.71	<1.1	<1.1	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<0.58	<0.56	<1.9	<1.9	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<1.2	<1.2	<0.31	<0.31	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTriDA)	--	--	--	<0.55	<0.53	<1.9	<1.9	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<0.63	<0.61	0.65 J	0.71 J	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<0.20	0.21 J B	<0.28	<0.28	<4.0	<4.0	<4.1
11-chloroicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	--	--	<2.0	<10	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	--
Total Per- and Polyfluoroalkyl Substances	--	--	--	332.1	932.5	836.9	874.0	948.0	866.0	849.7

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
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- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
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- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
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- 11) B - Compound also found in associated method blank.
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- 15) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 4
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Vault Samples

Coldwater Rd - VAULT Samples

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		Vault C	Vault-DUP-060722 (Vault-C)	Vault C	Vault-DUP-060623 (Vault-C)	Vault C	Vault-DUP-060424 (Vault-C)	Vault C	Vault-DUP-20250603 (Vault C)	Vault D
		Drinking Water	GSI	6/7/2022	6/7/2022	6/6/2023	6/6/2023	6/4/2024	6/4/2024	6/3/2025	6/3/2025	6/19/2017
Perfluorobutanoic Acid (PFBA)	--	--	--	13	15	12	<9.9	14	15	11	12	5.3 B
Perfluoropentanoic Acid (PFPeA)	--	--	--	<4.2	<4.2	1.3 J	1.3 J	<4.0	2.1 J	<4.1	<4.1	6.5
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	--
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	3.2	3.2	1.6 J	1.9 J	2.3	2.1	1.9 J	2.0 J	<0.80
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	5.8	5.1	4.7	5.9	4.3	4.5	6.4	5.9	11
Perfluoroheptanoic Acid (PFHpA)	--	--	--	1.7 J	2.2	<2.0	<2.0	0.83 J	<2.0	2.2	1.9 J	0.96 J
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	7.5	6.4	5.4	5.9	4.7	6.1	6.2	7.4	--
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	--
Perfluorooctanoic Acid (PFOA)	8	170	--	7.9	5.6	8.3	7.6	7.9	8.6	7.6	8.3	9.9
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	23	17	16	17	17	20	18	20	33
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	18	13	13	14	14	16	15	15	--
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	3.8	3.9	2.9	3.2	3.0	3.5	3.0	3.6	--
Perfluorononanoic Acid (PFNA)	6	30	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	<0.67
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	--
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	5.1	4.4	5.2	4.5	4.5	5.4	8.6	6.3	8.4
Perfluorodecanoic Acid (PFDA)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	<0.45
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<4.2	<4.2	<4.1	<4.0	<4.0	<4.0	<4.1	<4.1	--
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	390	340	360	330	390	390	430	400	350
Perfluorooctane Sulfonic Acid (PFOS -LN)	--	--	--	220	180	200	180	230	220	240	220	--
Perfluorooctane Sulfonic Acid (PFOS -BR)	--	--	--	160	150	160	150	170	180	180	180	--
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	<0.76
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	--
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	<0.59
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	<1.2
Perfluorotridecanoic Acid (PFTriDA)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	<0.56
Perfluorooctane Sulfonamide (FOSA)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	1.1 J	1.1 J	<2.1	<0.65
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<4.2	<4.2	<4.1	<4.0	<4.0	<4.1	<4.1	<4.1	0.25 J B
11-chlorooctadecafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	--
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	--
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	--
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	<10	<10	<4.1	<4.0	<9.9	<10	<10	<10	--
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	<4.1	<4.0	<9.9	<10	<10	<10	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	<4.1	<4.0	<9.9	<10	<10	<10	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	<4.1	<4.0	<9.9	<10	<10	<10	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECyHS)	--	--	--	--	--	970	920	1100	1100	960	890	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	--
Total Per-and Polyfluoroalkyl Substances	--	--	--	855.1	744.5	1384.5	1294.1	1545.5	1554.9	1453.0	1353.8	785.2

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) B - Compound also found in associated method blank.
- 12) J - Matrix interference with internal standard.
- 13) J - Estimated value less than reporting limit, but greater than MDL.
- 14) X - Elevated reporting limit due to matrix interference.
- 15) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 4
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Vault Samples

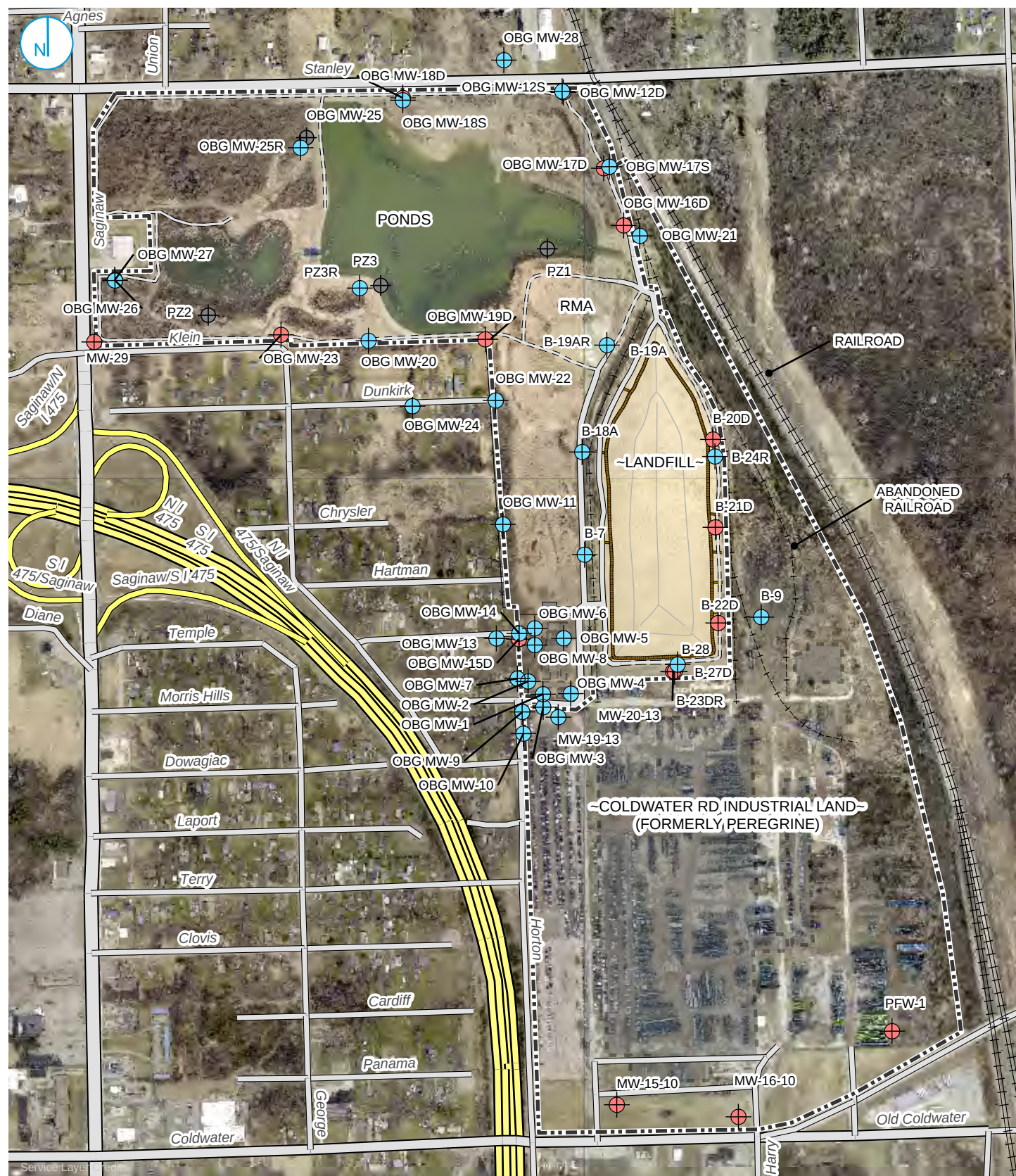
Coldwater Rd - VAULT Samples

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		Vault E	Vault E (DUP-1)	Vault E	Vault E	Vault E	Vault E	Vault E	Vault E	Vault E	Vault F
	Sample Date:	Drinking Water	GSI	6/19/2017	6/19/2017	6/12/2018	6/25/2020	6/16/2021	6/7/2022	6/7/2023	6/4/2024	6/3/2025	6/19/2017
Perfluorobutanoic Acid (PFBA)	--	--	--	8.6 B	8 B	6.3 B	24	<10.0	<10.0	<10.0	6.0 J	4.7 J	6.8 B
Perfluoropentanoic Acid (PFPeA)	--	--	--	<0.96	4.7	4.1	2.6 J	2.8 J	1.6 J	1.9 J	2.0 J	<4.0	15
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	--
Perfluorohexanoic Acid (PFHxA)	400,000	--	--	6.5	6.3	4.5	2.5	2.4	2.0 J	2.9	2.5	2.0	13
Perfluorobutane Sulfonic Acid (PFBS)	420	670,000	--	13	12	11	7.6	9.0	7.4	9.5	6.1	6.1	12
Perfluoroheptanoic Acid (PFHpA)	--	--	--	5.5	5.3	4.1	2.6	1.7 J	2.2	2.9	1.2 J	1.6 J	12
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	--	--	12	11	8.4	14	8.5	7.6	--
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	--	--	--	<2.0	<4.0	<2.0	<2.0	<1.9	<2.0	--
Perfluorooctanoic Acid (PFOA)	8	170	--	24	25	22	15	13	9.6	14	12	9.5	57
Perfluorohexane Sulfonic Acid (PFHxS)	51	210	--	65	63	53 B	33	33	29	46	31	25	35
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	--	--	28	28	23	37	25	20	--
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	--	--	5.8	5.2	5.7	8.1	5.8	4.4	--
Perfluorononanoic Acid (PFNA)	6	30	--	<0.63	0.64 J	0.60 J	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	1.2 J
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	--
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	--	15	15	15	9.5	6.7	6.7	11	9.5	8.5	7.3
Perfluorodecanoic Acid (PFDA)	--	--	--	<0.43	<0.43	<0.28	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<0.42
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	--	--	<3.9	<4.0	<4.1	<4.0	<3.9	<4.0	--
Perfluorooctane Sulfonic Acid (PFOS)	16	12	--	730	730	680	480	480	440	520	470	490	300
Perfluorooctane Sulfonic Acid (PFOS-LN)	--	--	--	--	--	--	240	270	230	270	260	250	--
Perfluorooctane Sulfonic Acid (PFOS-BR)	--	--	--	--	--	--	240	210	210	260	210	220	--
Perfluoroundecanoic Acid (PFUnDA)	--	--	--	<0.72	<0.74	<1.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<0.71
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	--
Perfluorododecanoic Acid (PFDoDA)	--	--	--	<0.56	<0.57	<1.8	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<0.56
Perfluorodecane Sulfonic Acid (PFDS)	--	--	--	<1.2	<1.2	<0.29	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<1.2
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	<0.53	<0.54	<1.8	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<0.53
Perfluorooctane Sulfonamide (FOSA)	--	--	--	3.5 J H	16 J B	1.2 J	<2.0	<2.0	<2.0	<2.0	2.8	1.8 J	22 J H
Perfluorotetradecanoic Acid (PFTeDA)	--	--	--	<0.19	0.43 J B	<0.27	<3.9	<4.0	<4.1	<4.0	<3.9	<4.0	<0.19
11-chloroheptafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	--
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	--
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	--
Hexafluoropropylene oxide dimer (HFPO-DA)	370	--	--	--	--	--	<2.0	<10.0	<10	<4.0	<9.7	<10	--
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	<4.0	<9.7	<10	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	<4.0	<9.7	<10	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	<4.0	<9.7	<10	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	1.6 J	1.5 J	1.3 J	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	--	1300	1100	850	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	<2.0	0.60 J	<2.0	--
Total Per-and Polyfluoroalkyl Substances	--	--	--	1625.1	1641.4	1503.8	1083.8	1052.6	956.5	1923.8	1653.7	1408.1	838.3

Notes

- 1) Detections in **bold**.
- 2) Concentrations in ng/L.
- 3) < = Not detected at specified reporting limit.
- 4) -- = Not analyzed/No criteria.
- 5) * = Monitoring well has been abandoned.
- 6) Dup = Duplicate sample.
- 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
- 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
- 9) The PFAS constituent list increased from 28 to 34 constituents in 2023.
- 10) Light gray header is most recent sampling event result.
- 11) B - Compound also found in associated method blank.
- 12) I - Matrix interference with internal standard.
- 13) J - Estimated value less than reporting limit, but greater than MDL.
- 14) X - Elevated reporting limit due to matrix interference.
- 15) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

FIGURES



LEGEND

- PERCHED MONITORING WELL / PIEZOMETER
- DRIFT MONITORING WELL / PIEZOMETER
- ABANDONED MONITORING WELL / PIEZOMETER
- PROPERTY BOUNDARY
- FORMER BUILDING

0 250 500
Feet

MONITORING WELL LOCATION MAP

FIGURE 1

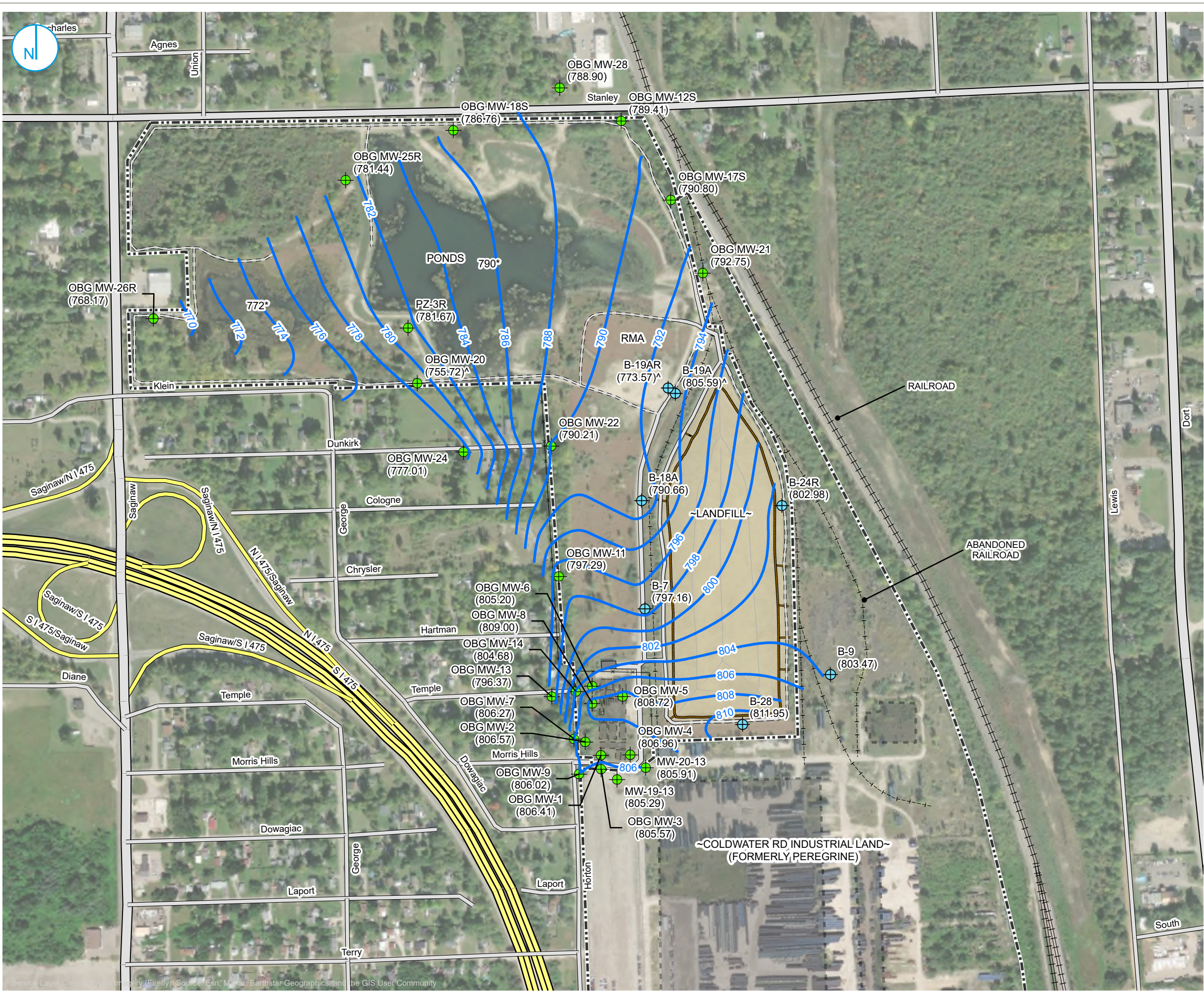
RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

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RAMBOLL

I:\Racer-Trust\1088190\GIS\Coldwater_Road\Pro\2025_Spring_SA_GWS\003- Figure 3- GW_Elevations_Perched_Spring2025

PROJECT: 1940113233 | DATED: 9/22/2025 | DESIGNER: MONETANT



- LANDFILL MONITORING WELL / PIEZOMETER
- OTHER MONITORING WELL / PIEZOMETER
- GROUNDWATER CONTOUR (JUNE 2, 2025)
- PROPERTY BOUNDARY
- FORMER BUILDING

(803.51) GROUNDWATER ELEVATION
(803.51)^ GROUNDWATER ELEVATION NOT USED

NOTES
THE GROUNDWATER ELEVATION FOR MONITORING WELLS B-19A AND B-19AR WERE NOT USED IN DEVELOPING THE GROUNDWATER POTENTIOMETRIC SURFACE DUE TO THE DEPTH OF THESE WELLS AND VERTICAL GRADIENTS AT THE SITE.

THE GROUNDWATER ELEVATION FOR MONITORING WELL OBG MW-20 WAS NOT USED IN DEVELOPING THE GROUNDWATER POTENTIOMETRIC SURFACE DUE TO AN ANOMOUS READING.

THE ADDITIONAL SITE MONITORING WELLS WERE USED IN THE CREATION OF THE GROUNDWATER CONTOURS BUT ARE NOT PART OF THE LANDFILL MONITORING PROGRAM.

772* - TRIGGER ELEVATION FOR POND DEWATERING.

0 225 450
Feet

PERCHED ZONE GROUNDWATER ELEVATION MAP
JUNE 2, 2025

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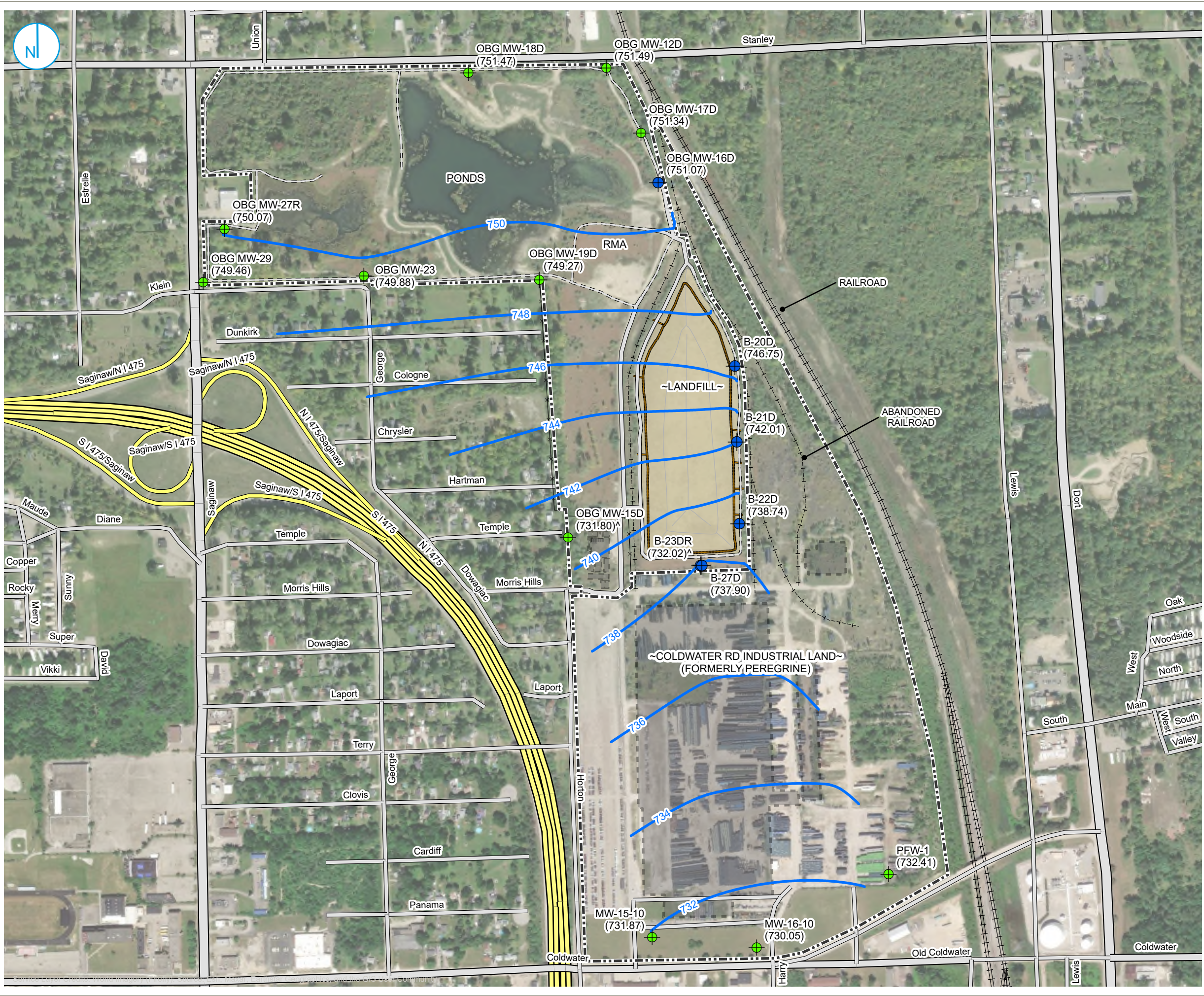
FIGURE 2

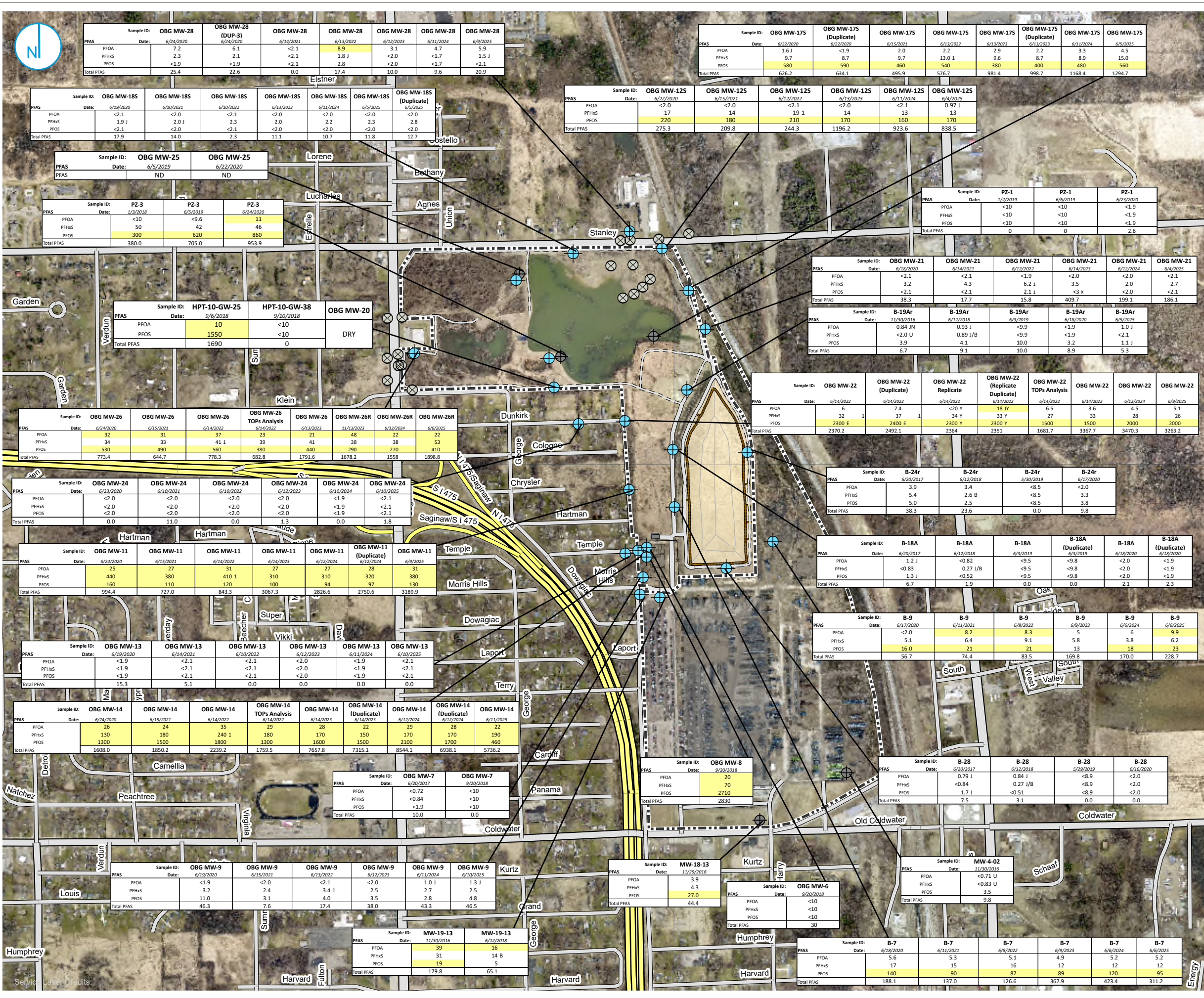
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I:\Racer-Trust_1088190\GIS\Coldwater_Road\Pro2025_Spring_SA_GWS\004- Figure 4 - GW_Elevations_Drift_Spring2025

PROJECT: 1940113233 | DATED: 9/22/2025 | DESIGNER: MONETANT





- MONITORING WELL / PIEZOMETER
- ABANDONED WELL
- TEMPORARY WELL / BORING
- PROPERTY BOUNDARY
- FORMER BUILDING

Perfluorinated Compound (PFAS)	Well/Sample ID: Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels	Drinking Water GSI
Perfluorooctanoic Acid (PFOA)		8	170
Perfluorohexane Sulfonic Acid (PFHxS)		51	210
Perfluorooctane Sulfonic Acid (PFOS)		16	12
Total Per- and Polyfluoroalkyl Substances		--	--

- Notes
- 1) Last 4 results shown at certain wells to conserve space.
 - 2) Concentrations in ng/l.
 - 3) < = Not detected at specified reporting limit.
 - 4) -- = Not analyzed/No criteria.
 - 5) ND = Not detected.
 - 6) Dup = Duplicate sample.
 - 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
 - 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
 - 9) 1 - Qualifier ion out of range.
 - 10) B - Compound also found in associated method blank.
 - 11) E - Concentration exceeds calibration range.
 - 12) I - Matrix interference with internal standard.
 - 13) J - Estimated value less than reporting limit, but greater than MDL.
 - 14) X - Elevated reporting limit due to matrix interference.
 - 15) The PFAS constituent list increased from 28 to 34 constituents in 2023.

0 425 850 Feet

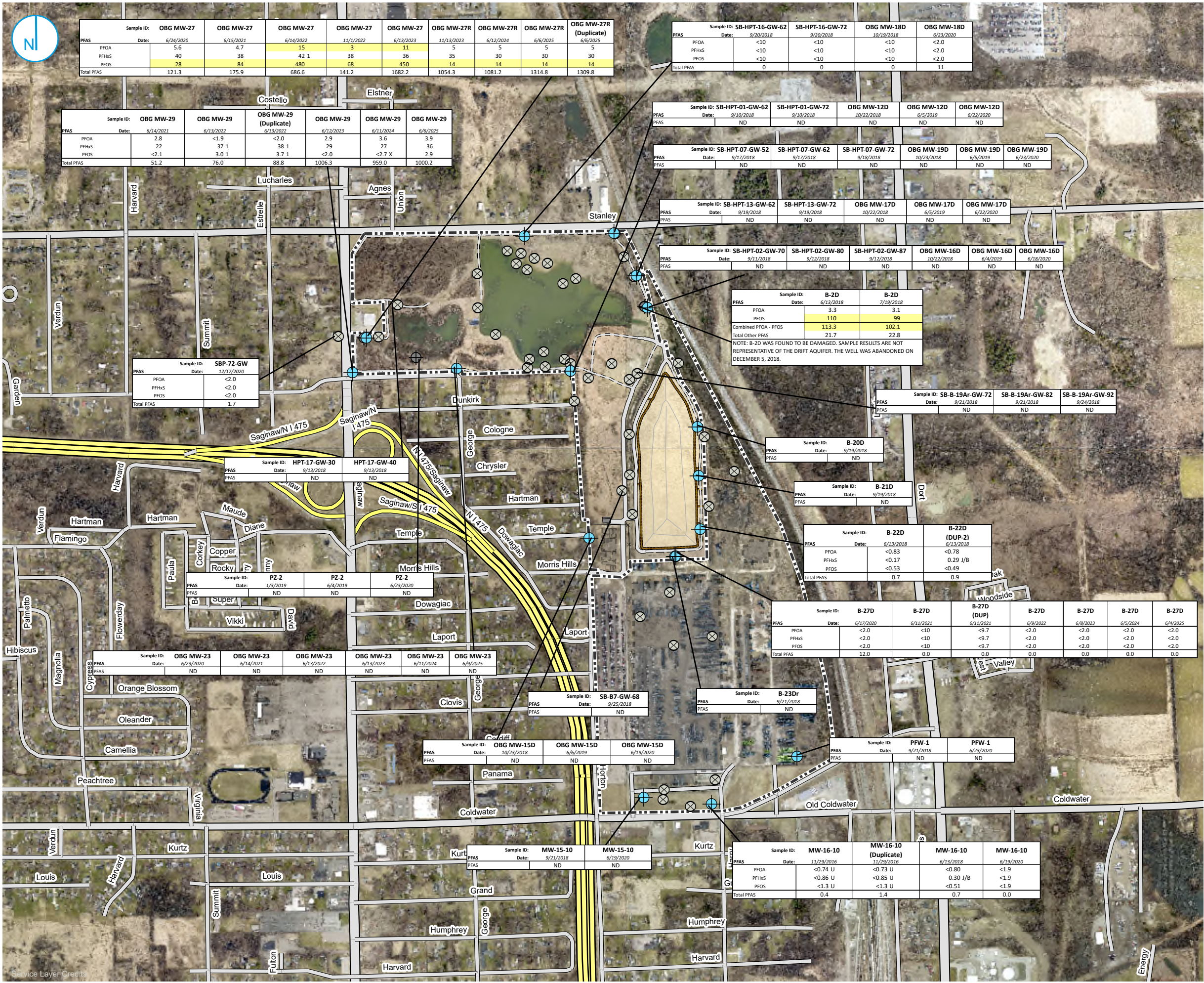
PERCHED ZONE MONITORING WELL PFAS SAMPLE RESULTS (NOVEMBER 2016 - JUNE 2025)

RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

FIGURE 4

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
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- MONITORING WELL / PIEZOMETER
- ABANDONED WELL
- TEMPORARY WELL / BORING
- PROPERTY BOUNDARY
- FORMER BUILDING

Perfluorinated Compound (PFAS)	Well/Sample ID: Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels	Drinking Water GSI
Perfluorooctanoic Acid (PFOA)		8	170
Perfluorohexane Sulfonic Acid (PFHxS)		51	210
Perfluorooctane Sulfonic Acid (PFOS)		16	12
Total Per-and Polyfluoroalkyl Substances		--	--

- Notes
- 1) Last 4 results shown at certain wells to conserve space.
 - 2) Concentrations in ng/l.
 - 3) < = Not detected at specified reporting limit.
 - 5) ND = Not detected.
 - 6) Dup = Duplicate sample.
 - 7) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
 - 8) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
 - 9) 1 - Qualifier ion out of range.
 - 10) B - Compound also found in associated method blank.
 - 13) J - Estimated value less than reporting limit, but greater than MDL.
 - 14) U - Indicates that the analyte was not detected and the sample RL is presented.
 - 15) The PFAS constituent list increased from 28 to 34 constituents in 2023.

0 425 850 Feet

DRIFT UNIT PFAS SAMPLE RESULTS
(JUNE 2017 - JUNE 2025)

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FIGURE 5

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- LEACHATE COLLECTION SUMP
- ACCESS PORT FOR LEAK DETECTION VAULT

PROPERTY BOUNDARY

Perfluorinated Compound (PFAS)	Well/Sample ID: Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels	Drinking Water GSI
Perfluorooctanoic Acid (PFOA)		8	170
Perfluorooctane Sulfonic Acid (PFOS)		16	12
Total Per-and Polyfluoroalkyl Substances		--	--

- Notes**
- 1) Concentrations in ng/l.
 - 2) Dup = Duplicate sample.
 - 3) Concentration above the drinking water and/or groundwater surface water interface (GSI) criteria are highlighted in yellow.
 - 4) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023 and Rule 57 Surface Water Quality Values.
 - 5) The PFAS constituent list increased from 28 to 34 constituents in 2023.



LEAK DETECTION VAULTS PFAS
SAMPLE RESULTS
(JUNE 2017 - JUNE 2025)

RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

FIGURE 6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



APPENDIX A GROUNDWATER SAMPLING LOGS

RAMBOLL		Standard Groundwater Sampling Log				
Date 6/3/2025 6/6/2025		Weather Sunny, 70's °F				
Site Name RACER Coldwater Rd		Well # B-7				
Location Flint, MI		Evacuation Method Whale Pump-Peristaltic				
Project No. 1940107203		Sampling Method Purged Dry				
Personnel ST						
Well Information:						
Depth of Well * 29.94 ft.		Water Volume /ft. for: X 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC				
Depth to Water * 16.51 21.25 ft.						
Length of Water Column 13.43 ft.						
Volume of Water in Well 2.19 gal.(s)						
3X Volume of Water in Well 6.57 gal.(s)		Volume removed before sampling 5.25 gal.(s)				
		Did well go dry? yes				
* Measurements taken from X Well Casing Protective Casing (Other, Specify)						
Instrument Calibration: Calibrated within range						
pH Yes						
ORP Yes						
Conductivity Yes						
DO Yes						
Water parameters:						
Drawdown measured 0.3 feet or less	Temperature Celsius ±3 percent	Conductivity mS/cm ±3 percent	Dissolved Oxygen mg/L ±10 percent	pH ±0.1 pH units	ORP mV ±10 millivolts	Turbidity NTUs ±10 percent
initial 19.45	initial 13.58	initial 0.96	initial 1.24	initial 7.28	initial 67.54	initial 45.8
5 min 23.98	11.66	0.86	5.79	7.25	49.64	21.6
10 min DRY	11.50	1.05	2.65	7.21	49.92	
15 min						
20 min						
25 min 22.70	16.51	1.06	1.43	7.36	67.23	13.20
30 min 23.65	12.60	1.17	0.94	7.12	70.62	7.69
35 min						
40 min						
45 min						
50 min						
55 min						
60 min						
65 min						
70 min						
75 min						
80 min						
85 min						
90 min						
Water Sample:						
Time Collected 11:10						
Physical Appearance at Start			Physical Appearance at Sampling			
Color	Murky	Color	Clear			
Odor	None	Odor	None			
Turbidity (> 100 NTU)	45.8	Turbidity (> 100 NTU)	7.69			
Sheen/Free Product	None	Sheen/Free Product	None			
Samples collected:						
Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered		
VOCs	3	40 ml Glass	HCL			
Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na	1	125 ml Plastic	HNO3	yes		
Cyanide	1	125 ml Plastic	NAOH			
Phenols	1	125 ml Plastic	H2SO4			
TOC	2	40 ml Glass	H2SO4			
TOX	1	125 ml Plastic	H2SO4			
Sulfate, Chlorides, SpC	1	500 ml Plastic	None			
PFAS	3	10 mL	None			
Notes:						
B-7-20250606 Landfill bottles plus PFAS						

Weather	Sunny, 80's °F
Well #	B-9
Evacuation Method	Whale Pump-Peristaltic
Sampling Method	Purged Dry

Depth of Well *	25.16	ft.
Depth to Water *	3.09 3.20	ft.
Length of Water Column	22.07	ft.
Volume of Water in Well	3.60	gal.(s)
3X Volume of Water in Well	10.79	gal.(s)

X	2" Diameter Well = 0.163 X LWC
	4" Diameter Well = 0.653 X LWC
	6" Diameter Well = 1.469 X LWC

Volume removed before sampling 7.5 gal.(s)
Did well go dry? yes

pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

	Drawdown measured	Temperature Celsius	Conductivity mS/cm	Dissolved Oxygen mg/L	pH	ORP mV	Turbidity NTUs
	0.3 feet or less	±3 percent	±3 percent	±10 percent	±0.1 pH units	±10 millivolts	±10 percent
initial	11.25	initial 12.12	initial 1.64	initial 0.20	initial 6.96	initial 77.0	initial 106
5 min	18.55	11.55	1.70	0.31	6.86	63.9	115
10 min	DRY	11.61	1.69	2.09	6.87	26.5	
15 min							
20 min							
25 min	4.30	17.32	1.73	4.84	7.28	68.5	613
30 min	7.15	12.16	1.91	4.50	6.88	77.4	250
35 min	9.75	12.31	1.86	5.28	6.86	51.5	150
40 min	10.20	12.18	1.84	5.68	6.85	50.0	112
45 min	11.50	12.15	1.86	5.51	6.84	48.5	101
50 min	12.45	12.06	1.92	4.81	6.84	63.5	108
55 min	13.40	12.09	1.96	4.24	6.82	47.4	93.4
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Physical Appearance at Sampling

Color	Cloudy
Odor	None
Turbidity (> 100 NTU)	93.4
Sheen/Free Product	None

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
VOCs	3	40 ml Glass	HCL	
Dissolved Metals - Cu, Cr, Ni, Zn, Fe, Mn, Na	1	125 ml Plastic	HNO ₃	yes
Cyanide	1	125 ml Plastic	NAOH	
Phenols	1	125 ml Plastic	H ₂ SO ₄	
TOC	2	40 ml Glass	H ₂ SO ₄	
TOX	1	125 ml Plastic	H ₂ SO ₄	
Sulfate, Chlorides, SpC	1	500 ml Plastic	None	
PFAS	3	10 mL	None	

B-9-20250606
Landfill bottles plus PFAS

		Standard Groundwater Sampling Log				
Date	<u>6/10/2025</u>	Weather	<u>Cloudy, 60's °F</u>			
Site Name	<u>RACER Coldwater Rd</u>	Well #	<u>OBG MW-9</u>			
Location	<u>Flint, MI</u>	Evacuation Method	<u>peristaltic</u>			
Project No.	<u>1940107203</u>	Sampling Method	<u>low flow</u>			
Personnel	<u>LT</u>					
Well Information:						
Depth of Well *	<u>18.16</u> ft.	Water Volume /ft. for: <u>X</u> 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC				
Depth to Water *	<u>3.86</u> ft.					
Length of Water Column	<u>14.30</u> ft.					
Volume of Water in Well	<u>2.33</u> gal.(s)					
3X Volume of Water in Well	<u>6.99</u> gal.(s)	Volume removed before sampling	<u>3 1/2</u> gal.(s)			
		Did well go dry?	<u>No</u>			
* Measurements taken from <u>X</u> Well Casing Protective Casing (Other, Specify)						
Instrument Calibration:						
	Calibrated within range					
pH	<u>Yes</u>					
ORP	<u>Yes</u>					
Conductivity	<u>Yes</u>					
DO	<u>Yes</u>					
Water parameters:						
Drawdown measured 0.3 feet or less	Temperature Celsius ±3 percent	Conductivity mS/cm ±3 percent	Dissolved Oxygen mg/L ±10 percent	pH ±0.1 pH units	ORP mV ±10 millivolts	Turbidity NTUs ±10 percent
initial <u>3.86</u>	initial <u>17.11</u>	initial <u>2.05</u>	initial <u>2.72</u>	initial <u>7.25</u>	initial <u>59.75</u>	initial <u>54.90</u>
5 min <u>5.49</u>	<u>13.97</u>	<u>2.20</u>	<u>0.05</u>	<u>7.05</u>	<u>-6.90</u>	<u>9.81</u>
10 min <u>5.84</u>	<u>14.04</u>	<u>2.20</u>	<u>0.03</u>	<u>7.06</u>	<u>-40.32</u>	<u>8.79</u>
15 min <u>6.17</u>	<u>13.93</u>	<u>2.19</u>	<u>0.03</u>	<u>7.07</u>	<u>-23.77</u>	<u>5.32</u>
20 min <u>6.48</u>	<u>14.06</u>	<u>2.18</u>	<u>0.16</u>	<u>7.08</u>	<u>-45.17</u>	<u>3.58</u>
25 min <u>6.51</u>	<u>14.21</u>	<u>2.18</u>	<u>0.25</u>	<u>7.09</u>	<u>-49.29</u>	<u>3.67</u>
30 min <u>6.63</u>	<u>14.50</u>	<u>2.20</u>	<u>0.34</u>	<u>7.09</u>	<u>-67.91</u>	<u>2.95</u>
35 min <u>6.72</u>	<u>14.30</u>	<u>2.22</u>	<u>0.35</u>	<u>7.09</u>	<u>-74.78</u>	<u>3.46</u>
40 min <u>6.82</u>	<u>14.22</u>	<u>2.27</u>	<u>0.31</u>	<u>7.09</u>	<u>-84.85</u>	<u>2.98</u>
45 min <u>6.94</u>	<u>14.33</u>	<u>2.32</u>	<u>0.31</u>	<u>7.08</u>	<u>-110.81</u>	<u>3.40</u>
50 min <u>6.78</u>	<u>14.39</u>	<u>2.39</u>	<u>0.28</u>	<u>7.07</u>	<u>-115.67</u>	<u>3.49</u>
55 min						
60 min						
65 min						
70 min						
75 min						
80 min						
85 min						
90 min						
Water Sample:						
Time Collected	<u>12:36</u>					
Physical Appearance at Start						
Physical Appearance at Sampling						
Color	<u>Cloudy</u>		Color	<u>Clear, Slight Yellow Tint</u>		
Odor	<u>None</u>		Odor	<u>None</u>		
Turbidity (> 100 NTU)	<u>54.9</u>		Turbidity (> 100 NTU)	<u>3.49</u>		
Sheen/Free Product	<u>None</u>		Sheen/Free Product	<u>None</u>		
Samples collected:						
Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered		
PFAS	<u>3</u>	<u>10 mL</u>	<u>None</u>			
Notes:						
OBG-MW-9-20250610						
PFAS SAMPLE						

RAMBOLL		Standard Groundwater Sampling Log				
Date	6/9/2025	Weather	Sunny, 70's °F			
Site Name	RACER Coldwater Rd	Well #	OBG MW-11			
Location	Flint, MI	Evacuation Method	peristaltic			
Project No.	1940107203	Sampling Method	low flow			
Personnel	LT					
Well Information:						
Depth of Well *	24.62 ft.	Water Volume /ft. for: X 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC				
Depth to Water *	4.81 ft.					
Length of Water Column	19.81 ft.					
Volume of Water in Well	3.23 gal.(s)					
3X Volume of Water in Well	9.69 gal.(s)					
		Volume removed before sampling	2 1/4 gal.(s)			
		Did well go dry?	No			
* Measurements taken from		X Well Casing	(Other, Specify)			
Instrument Calibration:						
Calibrated within range						
pH	Yes					
ORP	Yes					
Conductivity	Yes					
DO	Yes					
Water parameters:						
Drawdown measured 0.3 feet or less	Temperature Celsius ±3 percent	Conductivity mS/cm ±3 percent	Dissolved Oxygen mg/L ±10 percent	pH ±0.1 pH units	ORP mV ±10 millivolts	Turbidity NTUs ±10 percent
initial 4.81	initial 23.32	initial 1.16	initial 3.36	initial 7.04	initial -122.67	initial 81.10
5 min 6.23	12.99	1.42	0.10	7.11	-132.69	18.70
10 min 6.35	12.59	1.46	0.10	7.10	-131.42	19.40
15 min 6.48	12.37	1.45	0.07	7.10	-127.59	7.54
20 min 6.74	11.82	1.45	0.04	7.11	-127.80	5.48
25 min 7.18	11.65	1.45	0.04	7.11	-126.01	5.68
30 min 7.18	11.34	1.46	0.03	7.09	-124.38	5.71
35 min 7.22	11.56	1.47	0.04	7.08	-124.96	6.91
40 min						
45 min						
50 min						
55 min						
60 min						
65 min						
70 min						
75 min						
80 min						
85 min						
90 min						
Water Sample:						
Time Collected 11:13						
Physical Appearance at Start		Physical Appearance at Sampling				
Color	Cloudy	Color	Clear			
Odor	None	Odor	None			
Turbidity (> 100 NTU)	81.1	Turbidity (> 100 NTU)	6.91			
Sheen/Free Product	None	Sheen/Free Product	None			
Samples collected:						
Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered		
PFAS	3	10 mL	None			
Notes:						
OBG-MW-11-20250609						
PFAS SAMPLE						

RAMBOLL		Standard Groundwater Sampling Log	
Date	6/4/2025	Weather	Rain, 80F
Site Name	RACER Coldwater Rd	Well #	OBG-MW-12S
Location	Flint, MI	Evacuation Method	Peristaltic
Project No.	1940107203	Sampling Method	low flow
Personnel	LT		

Well Information:

Depth of Well *	21.40	ft.	Water Volume /ft. for: X 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC
Depth to Water *	7.75	ft.	
Length of Water Column	5.35	ft.	
Volume of Water in Well	0.87	gal.(s)	
3X Volume of Water in Well	2.62	gal.(s)	
Volume removed before sampling			3.0 gal.(s)
Did well go dry?			no

* Measurements taken from ☒ Well Casing ☐ Protective Casing ☐ (Other, Specify)

Instrument Calibration:

Calibrated within range	
pH	Yes
ORP	Yes
Conductivity	Yes
DO	Yes

Water parameters:

Drawdown measured	Temperature Celsius	Conductivity mS/cm	Dissolved Oxygen mg/L	pH	ORP mV	Turbidity NTUs
0.3 feet or less	±3 percent	±3 percent	±10 percent	±0.1 pH units	±10 millivolts	±10 percent
initial 8.25	initial 17.65	initial 0.78	initial 3.14	initial 7.55	initial 55.7	initial 0.02
5 min 10.19	10.74	0.89	0.14	7.19	48.9	0.02
10 min 10.02	11.29	0.89	0.08	7.17	60.1	0.02
15 min 9.90	11.61	0.90	0.08	7.16	43.4	0.22
20 min 9.63	11.75	0.89	0.05	7.15	38.2	0.02
25 min 8.95	11.89	0.89	0.10	7.14	50.0	0.33
30 min 9.98	10.75	0.91	0.03	7.15	48.7	0.02
35 min 10.27	10.91	0.90	0.01	7.16	39.8	0.17
40 min 10.22	11.10	0.90	0.02	7.15	38.7	0.24
45 min 10.09	11.38	0.89	0.02	7.15	38.9	0.02
50 min						
55 min						
60 min						
65 min						
70 min						
75 min						
80 min						
85 min						
90 min						

Water Sample:

Time Collected	16:24
Physical Appearance at Start	Physical Appearance at Sampling
Color	Clear
Odor	None
Turbidity (> 100 NTU)	0.02
Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS	3	10 mL	None	

Notes:

OBG-MW-12S-20250604
PFAS SAMPLE

RAMBOLL		Standard Groundwater Sampling Log											
Date	6/10/2025												
Site Name	RACER Coldwater Rd												
Location	Flint, MI												
Project No.	1940107203												
Personnel	ST												
Weather	Sunny, 70's °F												
Well #	OBG MW-13												
Evacuation Method	peristaltic												
Sampling Method	low flow												
Well Information:													
Depth of Well *	23.64	ft.	Water Volume /ft. for: X 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC										
Depth to Water *	5.44	ft.											
Length of Water Column	18.20	ft.											
Volume of Water in Well	2.97	gal.(s)											
3X Volume of Water in Well	8.90	gal.(s)											
Volume removed before sampling		2 1/2 gal.(s)											
Did well go dry?		No											
* Measurements taken from X Well Casing Protective Casing (Other, Specify)													
Instrument Calibration: Calibrated within range													
pH		Yes											
ORP		Yes											
Conductivity		Yes											
DO		Yes											
Water parameters:													
Drawdown measured	Temperature Celsius	Conductivity mS/cm	Dissolved Oxygen mg/L	pH	ORP mV	Turbidity NTUs							
0.3 feet or less	±3 percent	±3 percent	±10 percent	±0.1 pH units	±10 millivolts	±10 percent							
initial	6.15	initial	18.70	initial	1.23	initial	2.91	initial	7.18	initial	56.7	initial	43.0
5 min	7.60		12.59		1.36		1.28		6.87		47.3		26.4
10 min	8.75		12.40		1.38		1.25		6.84		56.4		16.2
15 min	9.65		12.40		1.37		1.20		6.84		54.9		13.5
20 min	10.85		12.95		1.36		1.13		6.83		40.7		15.3
25 min	11.40		12.99		1.35		1.09		6.83		38.7		17.2
30 min	12.20		12.99		1.36		1.15		6.82		37.2		15.9
35 min	13.05		12.85		1.36		1.31		6.82		36.8		14.7
40 min	13.65		13.17		1.36		1.35		6.82		36.4		15.9
45 min													
50 min													
55 min													
60 min													
65 min													
70 min													
75 min													
80 min													
85 min													
90 min													
Water Sample:													
Time Collected		11:46											
Physical Appearance at Start				Physical Appearance at Sampling									
Color	Slightly Cloudy			Color	Clear								
Odor	None			Odor	None								
Turbidity (> 100 NTU)	43			Turbidity (> 100 NTU)	15.9								
Sheen/Free Product	None			Sheen/Free Product	None								
Samples collected:													
Analyses	# Bottles	Bottle size/type		Preservative		Field Filtered							
PFAS	3	10 ml plastic		None									
Notes:													
OBG-MW-13-20250610													
PFAS SAMPLE													

		Standard Groundwater Sampling Log				
Date	6/10/2025 6/11/2025					
Site Name	RACER Coldwater Rd	Weather	Sunny, 70's °F			
Location	Flint, MI	Well #	OBG MW-14			
Project No.	1940107203	Evacuation Method	peristaltic			
Personnel	LT	Sampling Method	low flow			
Well Information:						
Depth of Well *	18.78 ft.	Water Volume /ft. for: X 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC				
Depth to Water *	6.51 15.16 ft.					
Length of Water Column	12.27 ft.					
Volume of Water in Well	2.00 gal.(s)					
3X Volume of Water in Well	6.00 gal.(s)	Volume removed before sampling <u>3</u> gal.(s) Did well go dry? <u>Yes</u>				
* Measurements taken from ☒ Well Casing ☐ Protective Casing ☐ (Other, Specify)						
Instrument Calibration:						
Calibrated within range						
pH	Yes					
ORP	Yes					
Conductivity	Yes					
DO	Yes					
Water parameters:						
Drawdown measured 0.3 feet or less	Temperature Celsius ±3 percent	Conductivity mS/cm ±3 percent	Dissolved Oxygen mg/L ±10 percent	pH ±0.1 pH units	ORP mV ±10 millivolts	Turbidity NTUs ±10 percent
initial 6.51	initial 26.23	initial 0.89	initial 4.54	initial 7.18	initial 46.67	initial 43.30
5 min 8.74	13.00	1.19	2.53	7.17	60.55	9.20
10 min 9.95	12.37	1.21	2.56	7.17	62.71	7.51
15 min 11.34	12.49	1.21	2.92	7.20	80.71	7.02
20 min 12.60	12.80	1.20	3.59	7.25	62.98	7.70
25 min 12.98	13.21	1.20	3.84	7.24	61.32	21.90
30 min 12.98	14.11	1.22	7.23	7.50	56.25	23.70
35 min 13.45	12.26	1.18	1.54	7.17	63.63	44.20
40 min 13.45	13.51	1.23	8.65	7.67	52.15	30.70
45 min 14.26	11.35	1.21	1.19	7.14	62.27	87.40
50 min 14.45	12.44	1.24	8.00	7.48	54.06	92.20
55 min 14.75	14.88	1.23	9.29	7.89	48.52	
60 min 15.08	12.30	1.20	0.88	7.09	63.23	179
65 min 15.77	11.01	1.23	0.66	7.06	61.95	251
70 min 15.82	11.75	0.28	8.86	7.36	63.55	383
75 min 15.99	13.62	0.01	9.53	6.88	77.99	417
80 min 16.64	11.13	1.23	0.36	7.06	54.55	402
85 min 17.11	11.42	1.20	7.87	7.30	54.63	>1100
90 min DRY	14.22	1.26	9.33	7.63	52.77	
Water Sample:						
Time Collected <u>10:22</u>						
Physical Appearance at Start			Physical Appearance at Sampling			
Color	Clear	Color	Clear			
Odor	None	Odor	None			
Turbidity (> 100 NTU)	43.3	Turbidity (> 100 NTU)	208			
Sheen/Free Product	None	Sheen/Free Product	None			
Samples collected:						
Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered		
PFAS	3	10 mL	None			
Notes:						
OBG-MW-14-20250611						
PFAS SAMPLE						
DRY on 6/09/2025, Resumed purged and collected sample on 6/11/2025						
High turbidity sample due to lack of water, per discussion with PM						

		Standard Groundwater Sampling Log	
Date	6/5/2025	Weather	Sunny, 60's °F
Site Name	RACER Coldwater Rd	Well #	OBG MW-17S
Location	Flint, MI	Evacuation Method	peristaltic
Project No.	1940107203	Sampling Method	low flow
Personnel	LT		

Well Information:

Depth of Well * 22.23 ft.
 Depth to Water * 9.98 ft.
 Length of Water Column 12.25 ft.
 Volume of Water in Well 2.00 gal.(s)
 3X Volume of Water in Well 5.99 gal.(s)

Water Volume /ft. for:
☒ 2" Diameter Well = 0.163 X LWC
☐ 4" Diameter Well = 0.653 X LWC
☐ 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 6 gal.(s)
 Did well go dry? No

* Measurements taken from ☒ Well Casing ☐ Protective Casing ☐ (Other, Specify) _____

Instrument Calibration:

	Calibrated within range
pH	<u>Yes</u>
ORP	<u>Yes</u>
Conductivity	<u>Yes</u>
DO	<u>Yes</u>

Water parameters:

	Drawdown measured 0.3 feet or less	Temperature Celsius ±3 percent	Conductivity mS/cm ±3 percent	Dissolved Oxygen mg/L ±10 percent	pH ±0.1 pH units	ORP mV ±10 millivolts	Turbidity NTUs ±10 percent
initial	<u>9.98</u>	initial <u>20.92</u>	initial <u>0.88</u>	initial <u>3.28</u>	initial <u>6.90</u>	initial <u>-54.32</u>	initial <u>33.50</u>
5 min	<u>10.98</u>	<u>15.30</u>	<u>0.92</u>	<u>0.48</u>	<u>6.89</u>	<u>-68.59</u>	<u>11.30</u>
10 min	<u>11.00</u>	<u>12.08</u>	<u>0.96</u>	<u>1.29</u>	<u>6.93</u>	<u>-63.92</u>	<u>8.61</u>
15 min	<u>11.03</u>	<u>12.03</u>	<u>0.97</u>	<u>1.10</u>	<u>6.93</u>	<u>-65.72</u>	<u>6.04</u>
20 min	<u>11.08</u>	<u>11.99</u>	<u>0.98</u>	<u>0.72</u>	<u>6.92</u>	<u>-68.68</u>	<u>3.67</u>
25 min	<u>11.09</u>	<u>11.95</u>	<u>0.99</u>	<u>0.32</u>	<u>6.93</u>	<u>-70.30</u>	<u>3.84</u>
30 min	<u>11.10</u>	<u>11.89</u>	<u>0.99</u>	<u>0.21</u>	<u>6.93</u>	<u>-71.26</u>	<u>2.84</u>
35 min	<u>11.12</u>	<u>11.87</u>	<u>0.99</u>	<u>0.18</u>	<u>6.93</u>	<u>-71.30</u>	<u>2.86</u>
40 min	<u>11.12</u>	<u>11.92</u>	<u>0.99</u>	<u>0.11</u>	<u>6.93</u>	<u>-72.20</u>	<u>2.99</u>
45 min	_____	_____	_____	_____	_____	_____	_____
50 min	_____	_____	_____	_____	_____	_____	_____
55 min	_____	_____	_____	_____	_____	_____	_____
60 min	_____	_____	_____	_____	_____	_____	_____
65 min	_____	_____	_____	_____	_____	_____	_____
70 min	_____	_____	_____	_____	_____	_____	_____
75 min	_____	_____	_____	_____	_____	_____	_____
80 min	_____	_____	_____	_____	_____	_____	_____
85 min	_____	_____	_____	_____	_____	_____	_____
90 min	_____	_____	_____	_____	_____	_____	_____

Water Sample:
 Time Collected 16:40

Physical Appearance at Start
 Color Slightly Cloudy
 Odor None
 Turbidity (> 100 NTU) 33.5
 Sheen/Free Product None

Physical Appearance at Sampling
 Color Clear
 Odor None
 Turbidity (> 100 NTU) 2.99
 Sheen/Free Product None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS	3	10 mL	None	

Notes:

OBG-MW-17S-20250605
PFAS SAMPLE

		Standard Groundwater Sampling Log	
Date	6/5/2025	Weather	Sunny, 60's °F
Site Name	RACER Coldwater Rd	Well #	OBG MW-18S
Location	Flint, MI	Evacuation Method	peristaltic
Project No.	1940107203	Sampling Method	low flow
Personnel	LT		

Well Information:

Depth of Well * 30.85 ft.
 Depth to Water * 12.66 ft.
 Length of Water Column 18.19 ft.
 Volume of Water in Well 2.96 gal.(s)
 3X Volume of Water in Well 8.89 gal.(s)

Water Volume /ft. for:
 X 2" Diameter Well = 0.163 X LWC
4" Diameter Well = 0.653 X LWC
 6" Diameter Well = 1.469 X LWC

Volume removed before sampling 2 1/2 gal.(s)
 Did well go dry? No

* Measurements taken from ☒ Well Casing ☐ Protective Casing ☐ (Other, Specify) _____

Instrument Calibration:

	Calibrated within range
pH	<u>Yes</u>
ORP	<u>Yes</u>
Conductivity	<u>Yes</u>
DO	<u>Yes</u>

Water parameters:

	Drawdown measured 0.3 feet or less	Temperature Celsius ±3 percent	Conductivity mS/cm ±3 percent	Dissolved Oxygen mg/L ±10 percent	pH ±0.1 pH units	ORP mV ±10 millivolts	Turbidity NTUs ±10 percent
initial	<u>12.66</u>	initial <u>21.19</u>	initial <u>1.04</u>	initial <u>2.02</u>	initial <u>7.06</u>	initial <u>68.23</u>	initial <u>27.3</u>
5 min	<u>12.97</u>	<u>13.58</u>	<u>1.14</u>	<u>0.72</u>	<u>6.97</u>	<u>73.67</u>	<u>12.7</u>
10 min	<u>12.97</u>	<u>12.58</u>	<u>1.19</u>	<u>0.55</u>	<u>6.97</u>	<u>60.90</u>	<u>9.38</u>
15 min	<u>12.99</u>	<u>12.49</u>	<u>1.21</u>	<u>0.49</u>	<u>6.97</u>	<u>71.84</u>	<u>8.84</u>
20 min	<u>12.88</u>	<u>13.66</u>	<u>1.29</u>	<u>0.36</u>	<u>6.95</u>	<u>65.88</u>	<u>7.09</u>
25 min	<u>12.91</u>	<u>13.86</u>	<u>1.21</u>	<u>0.44</u>	<u>6.95</u>	<u>64.54</u>	<u>5.48</u>
30 min	<u>12.90</u>	<u>13.16</u>	<u>1.21</u>	<u>0.42</u>	<u>6.95</u>	<u>61.17</u>	<u>4.08</u>
35 min	<u>12.91</u>	<u>13.18</u>	<u>1.24</u>	<u>0.37</u>	<u>6.95</u>	<u>75.78</u>	<u>3.09</u>
40 min	<u>12.92</u>	<u>13.63</u>	<u>1.23</u>	<u>0.35</u>	<u>6.95</u>	<u>51.30</u>	<u>4.41</u>
45 min	<u>12.86</u>	<u>13.71</u>	<u>1.25</u>	<u>0.33</u>	<u>6.94</u>	<u>48.42</u>	<u>3.74</u>
50 min	<u>12.87</u>	<u>14.04</u>	<u>1.22</u>	<u>0.31</u>	<u>6.94</u>	<u>46.73</u>	<u>3.85</u>
55 min	<u>12.87</u>	<u>14.04</u>	<u>1.23</u>	<u>0.30</u>	<u>6.93</u>	<u>45.25</u>	<u>1.61</u>
60 min	_____	_____	_____	_____	_____	_____	_____
65 min	_____	_____	_____	_____	_____	_____	_____
70 min	_____	_____	_____	_____	_____	_____	_____
75 min	_____	_____	_____	_____	_____	_____	_____
80 min	_____	_____	_____	_____	_____	_____	_____
85 min	_____	_____	_____	_____	_____	_____	_____
90 min	_____	_____	_____	_____	_____	_____	_____

Water Sample:
 Time Collected 14:02

Physical Appearance at Start
 Color Clear
 Odor None
 Turbidity (> 100 NTU) 27.3
 Sheen/Free Product None

Physical Appearance at Sampling
 Color Clear
 Odor None
 Turbidity (> 100 NTU) 1.61
 Sheen/Free Product None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS	3	10 mL	None	

Notes:

OBG-MW-18S-20250605
 MW-DUP-2-20250605
 PFAS SAMPLE

RAMBOLL Standard Groundwater Sampling Log													
Date		6/4/2025		Weather		Rain, 80F							
Site Name		RACER Coldwater Rd		Well #		OBG-MW-21							
Location		Flint, MI		Evacuation Method		peristaltic							
Project No.		1940107203		Sampling Method		low flow							
Personnel		LT											
Well Information:													
Depth of Well *		17.37 ft.		Water Volume /ft. for: X 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC									
Depth to Water *		5.04 ft.											
Length of Water Column		12.33 ft.											
Volume of Water in Well		2.01 gal.(s)											
3X Volume of Water in Well		6.03 gal.(s)											
				Volume removed before sampling		5 gal.(s)							
				Did well go dry?		No							
* Measurements taken from ☒ Well Casing ☐ Protective Casing ☐ (Other, Specify) _____													
Instrument Calibration:													
Calibrated within range													
pH Yes													
ORP Yes													
Conductivity Yes													
DO Yes													
Water parameters:													
Drawdown measured 0.3 feet or less		Temperature Celsius ±3 percent		Conductivity mS/cm ±3 percent		Dissolved Oxygen mg/L ±10 percent		pH ±0.1 pH units		ORP mV ±10 millivolts		Turbidity NTUs ±10 percent	
initial 5.04		initial 20.12		initial 1.08		initial 4.04		initial 7.21		initial -5.12		initial 1090	
5 min 7.97		14.04		1.22		0.61		7.03		-4.40		202	
10 min 8.26		13.22		1.24		0.15		7.02		-2.97		64	
15 min 8.55		13.11		1.24		0.23		7.02		-2.82		100	
20 min 8.76		12.87		1.24		0.23		7.01		-5.85		69	
25 min 8.99		12.71		1.24		0.21		7.01		-6.91		51	
30 min 9.02		12.58		1.24		0.22		7.01		-10.65		21.6	
35 min 9.12		12.49		1.25		0.26		7.01		-11.59		20.0	
40 min 9.20		12.36		1.25		0.32		7.01		-12.63		22.4	
45 min 9.26		12.30		1.25		0.25		7.00		-13.49		34.4	
50 min 9.33		12.22		1.26		0.24		7.00		-14.46		14.5	
55 min 9.38		12.21		1.26		0.23		7.00		-15.71		15.1	
60 min													
65 min													
70 min													
75 min													
80 min													
85 min													
90 min													
Water Sample:													
Time Collected		14:48											
Physical Appearance at Start				Physical Appearance at Sampling									
Color		Murky		Color		Cloudy, Slight Orange Tint							
Odor		None		Odor		None							
Turbidity (> 100 NTU)		1090		Turbidity (> 100 NTU)		15.1							
Sheen/Free Product		None		Sheen/Free Product		None							
Samples collected:													
Analyses		# Bottles		Bottle size/type		Preservative		Field Filtered					
PFAS		3		10 mL		None							
Notes:													
OBG-MW-21-20250604													
PFAS SAMPLE													

RAMBOLL Standard Groundwater Sampling Log													
Date		<u>6/9/2025</u>		Weather		<u>Sunny, 70's °F</u>							
Site Name		<u>RACER Coldwater Rd</u>		Well #		<u>OBG MW-22</u>							
Location		<u>Flint, MI</u>		Evacuation Method		<u>peristaltic</u>							
Project No.		<u>1940107203</u>		Sampling Method		<u>low flow</u>							
Personnel		<u>LT</u>											
Well Information:													
Depth of Well *		<u>26.62</u> ft.		Water Volume /ft. for: <u>X</u> 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC									
Depth to Water *		<u>3.97</u> ft.											
Length of Water Column		<u>22.65</u> ft.											
Volume of Water in Well		<u>3.69</u> gal.(s)											
3X Volume of Water in Well		<u>11.08</u> gal.(s)		Volume removed before sampling		<u>4</u> gal.(s)							
				Did well go dry?		<u>No</u>							
* Measurements taken from <u>X</u> Well Casing <u> </u> Protective Casing <u> </u> (Other, Specify)													
Instrument Calibration:													
Calibrated within range													
pH		<u>Yes</u>											
ORP		<u>Yes</u>											
Conductivity		<u>Yes</u>											
DO		<u>Yes</u>											
Water parameters:													
Drawdown measured 0.3 feet or less		Temperature Celsius ±3 percent		Conductivity mS/cm ±3 percent		Dissolved Oxygen mg/L ±10 percent		pH ±0.1 pH units		ORP mV ±10 millivolts		Turbidity NTUs ±10 percent	
initial	<u>3.97</u>	initial	<u>24.78</u>	initial	<u>0.80</u>	initial	<u>3.31</u>	initial	<u>7.13</u>	initial	<u>-5.91</u>	initial	<u>42.90</u>
5 min	<u>5.40</u>		<u>13.34</u>		<u>0.70</u>		<u>0.10</u>		<u>6.87</u>		<u>62.31</u>		<u>5.68</u>
10 min	<u>4.22</u>		<u>15.06</u>		<u>0.72</u>		<u>0.14</u>		<u>6.83</u>		<u>64.38</u>		<u>4.57</u>
15 min	<u>4.34</u>		<u>12.91</u>		<u>0.71</u>		<u>0.04</u>		<u>6.85</u>		<u>78.61</u>		<u>5.97</u>
20 min	<u>4.37</u>		<u>12.11</u>		<u>0.72</u>		<u>0.02</u>		<u>6.85</u>		<u>124.41</u>		<u>3.64</u>
25 min	<u>4.39</u>		<u>12.35</u>		<u>0.72</u>		<u>0.01</u>		<u>6.85</u>		<u>92.14</u>		<u>3.79</u>
30 min	<u>4.31</u>		<u>13.09</u>		<u>0.71</u>		<u>0.03</u>		<u>6.84</u>		<u>90.23</u>		<u>3.84</u>
35 min	<u>4.32</u>		<u>12.67</u>		<u>0.71</u>		<u>0.02</u>		<u>6.85</u>		<u>143.71</u>		<u>5.83</u>
40 min	<u>4.32</u>		<u>12.55</u>		<u>0.72</u>		<u>0.01</u>		<u>6.85</u>		<u>68.09</u>		<u>3.46</u>
45 min	<u>4.32</u>		<u>12.45</u>		<u>0.72</u>		<u>0.02</u>		<u>6.85</u>		<u>74.53</u>		<u>4.02</u>
50 min	<u>4.34</u>		<u>12.44</u>		<u>0.72</u>		<u>0.01</u>		<u>6.84</u>		<u>100.00</u>		<u>2.90</u>
55 min	<u>4.35</u>		<u>12.61</u>		<u>0.71</u>		<u>0.01</u>		<u>6.85</u>		<u>105.27</u>		<u>3.14</u>
60 min	<u>4.37</u>		<u>12.77</u>		<u>0.71</u>		<u>0.01</u>		<u>6.85</u>		<u>107.94</u>		<u>2.43</u>
65 min	<u>4.37</u>		<u>12.67</u>		<u>0.72</u>		<u>0.01</u>		<u>6.84</u>		<u>160.71</u>		<u>3.73</u>
70 min	<u>4.38</u>		<u>12.71</u>		<u>0.72</u>		<u>0.01</u>		<u>6.84</u>		<u>122.71</u>		<u>2.52</u>
75 min	<u>4.39</u>		<u>12.52</u>		<u>0.72</u>		<u>0.01</u>		<u>6.85</u>		<u>129.68</u>		<u>3.50</u>
80 min	<u>4.39</u>		<u>12.26</u>		<u>0.72</u>		<u>0.01</u>		<u>6.85</u>		<u>137.02</u>		<u>4.62</u>
85 min													
90 min													
Water Sample:													
Time Collected		<u>14:23</u>											
Physical Appearance at Start				Physical Appearance at Sampling									
Color		<u>Clear</u>				Color		<u>Clear</u>					
Odor		<u>None</u>				Odor		<u>None</u>					
Turbidity (> 100 NTU)		<u>42.9</u>				Turbidity (> 100 NTU)		<u>4.62</u>					
Sheen/Free Product		<u>None</u>				Sheen/Free Product		<u>None</u>					
Samples collected:													
Analyses		# Bottles		Bottle size/type		Preservative		Field Filtered					
PFAS		<u>3</u>		<u>10 mL</u>		<u>None</u>							
Notes:													
OBG-MW-22-20250609 PFAS SAMPLE													

RAMBOLL		Standard Groundwater Sampling Log											
Date	6/9/2025												
Site Name	RACER Coldwater Rd		Weather	Sunny, 70's °F									
Location	Flint, MI		Well #	OBG MW-23									
Project No.	1940107203		Evacuation Method	peristaltic									
Personnel	ST		Sampling Method	low flow									
Well Information:													
Depth of Well *	33.48 ft.		Water Volume /ft. for: X 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC										
Depth to Water *	27.75 ft.												
Length of Water Column	5.73 ft.												
Volume of Water in Well	0.93 gal.(s)												
3X Volume of Water in Well	2.80 gal.(s)												
			Volume removed before sampling	3 1/2 gal.(s)									
			Did well go dry?	No									
* Measurements taken from			X Well Casing		Protective Casing								
			(Other, Specify)										
Instrument Calibration:													
Calibrated within range													
pH		Yes											
ORP		Yes											
Conductivity		Yes											
DO		Yes											
Water parameters:													
Drawdown measured 0.3 feet or less		Temperature Celsius ±3 percent		Conductivity mS/cm ±3 percent		Dissolved Oxygen mg/L ±10 percent		pH ±0.1 pH units		ORP mV ±10 millivolts		Turbidity NTUs ±10 percent	
initial	27.00	initial	20.18	initial	0.76	initial	2.75	initial	7.39	initial	63.8	initial	23.50
5 min	27.10		13.68		0.85		1.31		7.31		26.4		14.20
10 min	27.10		13.39		0.84		1.12		7.25		-14.5		5.46
15 min	27.00		16.12		0.80		0.60		7.18		-30.3		4.34
20 min	27.05		13.70		0.87		0.35		7.16		-35.5		7.31
25 min	27.07		13.61		0.83		0.33		7.15		-42.4		6.02
30 min	27.10		13.63		0.83		0.56		7.15		-41.2		4.10
35 min	27.10		13.63		0.83		0.33		7.14		-67.2		3.49
40 min	27.10		13.58		0.83		0.22		7.13		-48.2		4.05
45 min	27.10		13.50		0.83		0.23		7.13		-52.2		2.58
50 min													
55 min													
60 min													
65 min													
70 min													
75 min													
80 min													
85 min													
90 min													
Water Sample:													
Time Collected		11:35											
Physical Appearance at Start						Physical Appearance at Sampling							
Color	Clear			Color	Clear								
Odor	None			Odor	None								
Turbidity (> 100 NTU)	23.5			Turbidity (> 100 NTU)	2.58								
Sheen/Free Product	None			Sheen/Free Product	None								
Samples collected:													
Analyses	# Bottles	Bottle size/type		Preservative		Field Filtered							
PFAS	3	10 ml plastic		None									
Notes:													
OBG-MW-23-20250610													
PFAS SAMPLE													

RAMBOLL		Standard Groundwater Sampling Log											
Date	6/10/2025												
Site Name	RACER Coldwater Rd												
Location	Flint, MI												
Project No.	1940107203												
Personnel	ST												
Weather	Sunny, 70's °F												
Well #	OBG MW-24												
Evacuation Method	peristaltic												
Sampling Method	low flow												
Well Information:													
Depth of Well *	23.82	ft.	Water Volume /ft. for: X 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC										
Depth to Water *	4.49	ft.											
Length of Water Column	19.33	ft.											
Volume of Water in Well	3.15	gal.(s)											
3X Volume of Water in Well	9.45	gal.(s)											
Volume removed before sampling		2 1/2 gal.(s)											
Did well go dry?		No											
* Measurements taken from X Well Casing Protective Casing (Other, Specify)													
Instrument Calibration: Calibrated within range													
pH		Yes											
ORP		Yes											
Conductivity		Yes											
DO		Yes											
Water parameters:													
Drawdown measured 0.3 feet or less	Temperature Celsius ±3 percent	Conductivity mS/cm ±3 percent	Dissolved Oxygen mg/L ±10 percent	pH ±0.1 pH units	ORP mV ±10 millivolts	Turbidity NTUs ±10 percent							
initial	6.30	initial	14.67	initial	0.85	initial	0.16	initial	7.37	initial	61.7	initial	22.8
5 min	6.48		13.31		0.77		0.05		7.25		52.4		23.1
10 min	7.28		13.39		0.79		0.03		7.21		32.9		26.6
15 min	8.20		12.67		0.82		0.04		7.18		26.8		21.3
20 min	9.00		12.92		0.80		0.04		7.20		22.0		23.9
25 min	9.70		12.95		0.80		0.04		7.18		20.5		20.1
30 min	10.38		13.23		0.79		0.04		7.17		17.5		17.8
35 min	10.80		13.28		0.80		0.04		7.17		15.1		15.0
40 min													
45 min													
50 min													
55 min													
60 min													
65 min													
70 min													
75 min													
80 min													
85 min													
90 min													
Water Sample:													
Time Collected		10:26											
Physical Appearance at Start				Physical Appearance at Sampling									
Color	Clear		Color	Clear									
Odor	None		Odor	None									
Turbidity (> 100 NTU)	22.8		Turbidity (> 100 NTU)	15.0									
Sheen/Free Product	None		Sheen/Free Product	None									
Samples collected:													
Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered									
PFAS	3	10 ml plastic	None										
Notes:													
OBG-MW-24-20250610													
PFAS SAMPLE													

Standard Groundwater Sampling Log

Date6/6/2025

Site NameRACER Coldwater Rd

LocationFlint, MI

Project No.1940107203

PersonnelLT

WeatherSunny, 60's °F

Well #OBG MW-26R

Evacuation Methodperistaltic

Sampling Methodlow flow

Well Information:

Depth of Well *13.37ft.

Depth to Water *3.94ft.

Length of Water Column9.43ft.

Volume of Water in Well1.54gal.(s)

3X Volume of Water in Well4.61gal.(s)

Water Volume /ft. for:

X 2" Diameter Well = 0.163 X LWC

4" Diameter Well = 0.653 X LWC

6" Diameter Well = 1.469 X LWC

Volume removed before sampling5gal.(s)

Did well go dry?No

* Measurements taken from

XWell Casing

Protective Casing

(Other, Specify)

Instrument Calibration:

Calibrated within range

pHYes

ORPYes

ConductivityYes

DOYes

Water parameters:

	Drawdown measured 0.3 feet or less	Temperature Celsius ±3 percent	Conductivity mS/cm ±3 percent	Dissolved Oxygen mg/L ±10 percent	pH ±0.1 pH units	ORP mV ±10 millivolts	Turbidity NTUs ±10 percent
initial	3.98	initial 17.09	initial 93.67	initial 2.82	initial 7.02	initial -62.93	initial 21.10
5 min	4.33	12.69	90.88	0.13	6.77	-49.96	3.93
10 min	4.27	12.52	88.54	0.06	6.74	-43.41	3.12
15 min	4.02	13.15	88.09	0.10	6.72	-33.27	2.44
20 min	4.16	13.04	87.56	0.08	6.72	-39.28	1.89
25 min	4.33	12.42	87.20	0.04	6.72	-47.86	1.41
30 min	4.31	12.66	87.04	0.04	6.71	-41.65	1.84
35 min	4.31	12.72	86.57	0.03	6.71	-45.69	0.28
40 min	4.32	12.67	86.53	0.02	6.71	-41.57	0.02
45 min							
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:

Time Collected9:32

Physical Appearance at Start

Physical Appearance at Sampling

ColorClear

OdorNone

Turbidity (> 100 NTU)21.10

Sheen/Free ProductNone

ColorClear

OdorNone

Turbidity (> 100 NTU)0.02

Sheen/Free ProductNone

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS	3	10 mL	None	

Notes:

OBG-MW-26R-20250606

PFAS SAMPLE

RAMBOLL		Standard Groundwater Sampling Log					
Date	6/9/2025						
Site Name	RACER Coldwater Rd						
Location	Flint, MI						
Project No.	1940107203						
Personnel	ST						
Weather	Sunny, 70's °F						
Well #	OBG MW-28						
Evacuation Method	peristaltic						
Sampling Method	low flow						
Well Information:							
Depth of Well *	15.45	ft.	Water Volume /ft. for: X 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC				
Depth to Water *	11.45	ft.					
Length of Water Column	4.00	ft.					
Volume of Water in Well	0.65	gal.(s)					
3X Volume of Water in Well	1.96	gal.(s)					
Volume removed before sampling		3	gal.(s)				
Did well go dry?		No					
* Measurements taken from		X	Well Casing				
			Protective Casing				
			(Other, Specify)				
Instrument Calibration:							
		Calibrated within range					
pH	Yes						
ORP	Yes						
Conductivity	Yes						
DO	Yes						
Water parameters:							
	Drawdown measured	Temperature Celsius	Conductivity mS/cm	Dissolved Oxygen mg/L	pH	ORP mV	Turbidity NTUs
	0.3 feet or less	±3 percent	±3 percent	±10 percent	±0.1 pH units	±10 millivolts	±10 percent
initial	11.65	initial 13.41	initial 0.29	initial 3.68	initial 7.29	initial 51.4	initial 9.45
5 min	11.65	12.89	0.30	3.74	7.20	31.1	3.86
10 min	11.67	12.54	0.30	3.40	7.14	41.7	4.71
15 min	11.70	12.40	0.30	3.20	7.11	41.1	4.98
20 min	11.72	12.45	0.30	2.98	7.10	38.4	4.17
25 min	11.73	12.31	0.30	2.85	7.10	36.0	4.45
30 min	11.74	12.14	0.31	2.79	7.10	45.4	4.80
35 min	11.75	12.29	0.31	2.63	7.11	43.7	0.77
40 min							
45 min							
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							
Water Sample:							
Time Collected		13:34					
Physical Appearance at Start				Physical Appearance at Sampling			
Color	Clear	Color	Clear				
Odor	None	Odor	None				
Turbidity (> 100 NTU)	9.45	Turbidity (> 100 NTU)	0.77				
Sheen/Free Product	None	Sheen/Free Product	None				
Samples collected:							
Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered			
PFAS	3	10 ml plastic	None				
Notes:							
OBG-MW-28-20250609							
PFAS SAMPLE							

RAMBOLL Standard Groundwater Sampling Log													
Date		6/6/2025		Weather		Sunny, 60's °F							
Site Name		RACER Coldwater Rd		Well #		OBG MW-29							
Location		Flint, MI		Evacuation Method		peristaltic							
Project No.		1940107203		Sampling Method		low flow							
Personnel		LT											
Well Information:													
Depth of Well *		33.92 ft.		Water Volume /ft. for: X 2" Diameter Well = 0.163 X LWC 4" Diameter Well = 0.653 X LWC 6" Diameter Well = 1.469 X LWC									
Depth to Water *		23.81 ft.											
Length of Water Column		10.11 ft.											
Volume of Water in Well		1.65 gal.(s)											
3X Volume of Water in Well		4.94 gal.(s)											
				Volume removed before sampling		5 gal.(s)							
				Did well go dry?		No							
* Measurements taken from				☒ Well Casing		☐ Protective Casing		☐ (Other, Specify)					
Instrument Calibration:													
				Calibrated within range									
pH		Yes											
ORP		Yes											
Conductivity		Yes											
DO		Yes											
Water parameters:													
Drawdown measured 0.3 feet or less		Temperature Celsius ±3 percent		Conductivity mS/cm ±3 percent		Dissolved Oxygen mg/L ±10 percent		pH ±0.1 pH units		ORP mV ±10 millivolts		Turbidity NTUs ±10 percent	
initial 23.81		initial 21.28		initial 36.12		initial 1.22		initial 7.19		initial -47.03		initial 23.60	
5 min 23.90		14.44		36.71		0.53		7.11		-21.44		21.60	
10 min 23.91		12.71		49.94		0.26		7.07		-30.60		10.40	
15 min 23.91		12.53		50.55		0.16		7.07		-48.01		6.17	
20 min 23.92		12.26		51.25		0.13		7.07		-57.04		5.29	
25 min 23.91		12.30		51.41		0.10		7.08		-52.88		4.00	
30 min 23.93		12.21		51.29		0.07		7.07		-61.01		2.82	
35 min 23.94		12.21		51.45		0.05		7.08		-61.14		2.89	
40 min 23.93		12.20		51.46		0.04		7.07		-67.28		2.39	
45 min 23.94		12.19		51.12		0.03		7.07		-70.75		3.13	
50 min													
55 min													
60 min													
65 min													
70 min													
75 min													
80 min													
85 min													
90 min													
Water Sample:													
Time Collected		12:42											
Physical Appearance at Start				Physical Appearance at Sampling									
Color		Clear		Color		Clear							
Odor		None		Odor		None							
Turbidity (> 100 NTU)		23.6		Turbidity (> 100 NTU)		3.13							
Sheen/Free Product		None		Sheen/Free Product		None							
Samples collected:													
Analyses		# Bottles		Bottle size/type		Preservative		Field Filtered					
PFAS		3		10 mL		None							
Notes:													
OBG-MW-29-20250606 PFAS SAMPLE													

APPENDIX B

ANALYTICAL LABORATORY RESULTS



Analytical Laboratory Report

Report ID: S75409.01(01)
Generated on 06/24/2025

Report to
Attention: Clifford Yantz
Ramboll Americas
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:
Email: Clifford.Yantz@ramboll.com

Additional Contacts: Kevin Schneider, Nicole Pitkorchemny

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Contacts for report questions:
John Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary
Lab Sample ID(s): S75409.01-S75409.14
Project: RACER Coldwater Rd
Collected Date(s): 06/04/2025 - 06/06/2025
Submitted Date/Time: 06/06/2025 15:20
Sampled by: Savannah Thielbar
P.O. #: 1940011180 TASK 37

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- Parameter Summary (Page 5)
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Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
o	Associated EIS outside of control limits
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
q	Qualifier ion ratio outside of control limits
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



Analytical Laboratory Report

Method Summary

Method	Version
ASTMD7979-19M	ASTM Method D7979 - 19 Modified (Isotopic Dilution)

Parameter Summary

Parameter	Synonym	Cas #
PFBA	Perfluorobutanoic Acid	375-22-4
PFPeA	Perfluoropentanoic Acid	2706-90-3
4:2 FTSA	4:2 Fluorotelomer Sulfonic Acid	757124-72-4
PFHxA	Perfluorohexanoic Acid	307-24-4
PFBS	Perfluorobutane sulfonic Acid	375-73-5
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFPeS	Perfluoropentane Sulfonic Acid	2706-91-4
6:2 FTSA	6:2 Fluorotelomer Sulfonic Acid	27619-97-2
PFOA	Perfluorooctanoic Acid	335-67-1
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFHxS-LN	Perfluorohexane Sulfonic Acid - LN	355-46-4-LN
PFHxS-BR	Perfluorohexane Sulfonic Acid - BR	355-46-4-BR
PFNA	Perfluorononanoic Acid	375-95-1
8:2 FTSA	8:2 Fluorotelomer Sulfonic Acid	39108-34-4
PFHpS	Perfluoroheptane Sulfonic Acid	375-92-8
PFDA	Perfluorodecanoic Acid	335-76-2
N-MeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9
EtFOSAA	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	2991-50-6
PFOS	Perfluorooctane Sulfonic Acid	1763-23-1
PFOS-LN	Perfluorooctane Sulfonic Acid - LN	1763-23-1-LN
PFOS-BR	Perfluorooctane Sulfonic Acid - BR	1763-23-1-BR
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFNS	Perfluorononane Sulfonic Acid	68259-12-1
PFDoDA	Perfluorododecanoic Acid	307-55-1
PFDS	Perfluorodecane Sulfonic Acid	335-77-3
PFTTrDA	Perfluorotridecanoic Acid	72629-94-8
FOSA	Perfluorooctane Sulfonamide	754-91-6
PFTeDA	Perfluorotetradecanoic Acid	376-06-7
11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9
9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid	756426-58-1
ADONA	4,8-dioxa-3H-perfluorononanoic acid	919005-14-4
HFPO-DA	Hexafluoropropylene oxide dimer	13252-13-6
FHpPA (7:3 FTCA)	3-Perfluoroheptyl propanoic acid	812-70-4
FPePA (5:3 FTCA)	3-Perfluoropentyl propanoic acid	914637-49-3
FPrPA (3:3 FTCA)	3-Perfluoropropyl propanoic acid	356-02-5
PFBSA	Perfluorobutanesulfonamide	30334-69-1
PFECHS	Perfluoro-4-ethylcyclohexanesulfonate	80988-54-1
PFHxSA	Perfluorohexanesulfonamide	41997-13-1



Analytical Laboratory Report

Sample Summary (14 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S75409.01	OBG-MW-21-20250604	Groundwater	06/04/25 14:48
S75409.02	OBG-MW-12S-20250604	Groundwater	06/04/25 16:24
S75409.03	OBG-MW-18S-20250605	Groundwater	06/05/25 14:02
S75409.04	MW-DUP-2-20250605	Groundwater	06/05/25 00:01
S75409.05	B-19AR-20250605	Groundwater	06/05/25 14:41
S75409.06	OBG-MW-17S-20250605	Groundwater	06/05/25 16:40
S75409.07	OBG-MW-26R-20250606	Groundwater	06/06/25 09:32
S75409.08	OBG-MW-27R-20250606	Groundwater	06/06/25 11:24
S75409.09	MW-DUP-3-20250606	Groundwater	06/06/25 00:01
S75409.10	OBG-MW-29-20250606	Groundwater	06/06/25 12:42
S75409.11	B-9-20250606	Groundwater	06/06/25 12:16
S75409.12	B-7-20250606	Groundwater	06/06/25 11:00
S75409.13	B-27D-20250604	Groundwater	06/04/25 15:12
S75409.14	FieldBlank-20250606	Liquid	06/06/25 00:01



Analytical Laboratory Report

Lab Sample ID: S75409.01

Sample Tag: OBG-MW-21-20250604

Collected Date/Time: 06/04/2025 14:48

Matrix: Groundwater

COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.82/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 01:51, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	2.1	10	2.1	ng/L	2.06	375-22-4	J
PFPeA*	Not detected	4.1	1.2	ng/L	2.06	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.06	757124-72-4	
PFHxA*	1.3	2.1	1.2	ng/L	2.06	307-24-4	J
PFBS*	Not detected	2.1	0.62	ng/L	2.06	375-73-5	
PFHpA*	Not detected	2.1	0.82	ng/L	2.06	375-85-9	
PFPeS*	Not detected	2.1	1.9	ng/L	2.06	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.06	27619-97-2	
PFOA*	Not detected	2.1	0.82	ng/L	2.06	335-67-1	
PFHxS*	2.7	2.1	1.0	ng/L	2.06	355-46-4	
PFHxS-LN*	1.3	2.1	1.0	ng/L	2.06	355-46-4-LN	J
PFHxS-BR*	1.4	2.1	1.0	ng/L	2.06	355-46-4-BR	J
PFNA*	Not detected	2.1	1.0	ng/L	2.06	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.06	39108-34-4	
PFHpS*	Not detected	2.1	0.82	ng/L	2.06	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.06	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.06	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.06	2991-50-6	
PFOS*	Not detected	2.1	0.82	ng/L	2.06	1763-23-1	
PFOS-LN*	Not detected	2.1	0.82	ng/L	2.06	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.82	ng/L	2.06	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.82	ng/L	2.06	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.06	68259-12-1	
PFDODA*	Not detected	2.1	0.62	ng/L	2.06	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.06	335-77-3	
PFTTrDA*	Not detected	2.1	0.82	ng/L	2.06	72629-94-8	
FOSA*	Not detected	2.1	0.82	ng/L	2.06	754-91-6	
PFTeDA*	Not detected	4.1	0.62	ng/L	2.06	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.06	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.0	ng/L	2.06	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.06	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.06	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.2	ng/L	2.06	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.1	ng/L	2.06	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.1	ng/L	2.06	356-02-5	
PFBSA*	Not detected	2.1	0.62	ng/L	2.06	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.01 (continued)
Sample Tag: OBG-MW-21-20250604

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 01:51, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	180	2.1	0.82	ng/L	2.06	80988-54-1	
PFHxSA*	Not detected	2.1	0.62	ng/L	2.06	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.02

Sample Tag: OBG-MW-12S-20250604

Collected Date/Time: 06/04/2025 16:24

Matrix: Groundwater

COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.38/6.48/12	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 02:31, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	2.6	10	2.0	ng/L	2.03	375-22-4	J
PFPeA*	Not detected	4.1	1.2	ng/L	2.03	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.03	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	2.03	307-24-4	
PFBS*	2.8	2.0	0.61	ng/L	2.03	375-73-5	
PFHpA*	Not detected	2.0	0.81	ng/L	2.03	375-85-9	
PFPeS*	3.3	2.0	1.8	ng/L	2.03	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.03	27619-97-2	
PFOA*	0.97	2.0	0.81	ng/L	2.03	335-67-1	J
PFHxS*	13	2.0	1.0	ng/L	2.03	355-46-4	
PFHxS-LN*	11	2.0	1.0	ng/L	2.03	355-46-4-LN	
PFHxS-BR*	2.1	2.0	1.0	ng/L	2.03	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.03	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.03	39108-34-4	
PFHpS*	5.8	2.0	0.81	ng/L	2.03	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.03	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.03	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.03	2991-50-6	
PFOS*	170	2.0	0.81	ng/L	2.03	1763-23-1	
PFOS-LN*	42	2.0	0.81	ng/L	2.03	1763-23-1-LN	
PFOS-BR*	130	2.0	0.81	ng/L	2.03	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.81	ng/L	2.03	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.03	68259-12-1	
PFDODA*	Not detected	2.0	0.61	ng/L	2.03	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.03	335-77-3	
PFTTrDA*	Not detected	2.0	0.81	ng/L	2.03	72629-94-8	
FOSA*	Not detected	2.0	0.81	ng/L	2.03	754-91-6	
PFTeDA*	Not detected	4.1	0.61	ng/L	2.03	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.03	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.03	756426-58-1	
ADONA*	Not detected	2.0	0.61	ng/L	2.03	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.03	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.1	ng/L	2.03	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.1	ng/L	2.03	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.1	ng/L	2.03	356-02-5	
PFBSA*	Not detected	2.0	0.61	ng/L	2.03	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.02 (continued)
Sample Tag: OBG-MW-12S-20250604

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 02:31, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	640	2.0	0.81	ng/L	2.03	80988-54-1	
PFHxSA*	Not detected	2.0	0.61	ng/L	2.03	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.03

Sample Tag: OBG-MW-18S-20250605

Collected Date/Time: 06/05/2025 14:02

Matrix: Groundwater

COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.08/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 03:11, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.8	2.0	ng/L	1.96	375-22-4	
PFPeA*	Not detected	3.9	1.2	ng/L	1.96	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.96	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	1.96	307-24-4	
PFBS*	1.2	2.0	0.59	ng/L	1.96	375-73-5	J
PFHpA*	Not detected	2.0	0.78	ng/L	1.96	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	1.96	2706-91-4	
6:2 FTSA*	Not detected	2.0	0.98	ng/L	1.96	27619-97-2	
PFOA*	Not detected	2.0	0.78	ng/L	1.96	335-67-1	
PFHxS*	2.3	2.0	0.98	ng/L	1.96	355-46-4	
PFHxS-LN*	1.5	2.0	0.98	ng/L	1.96	355-46-4-LN	J
PFHxS-BR*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0	0.98	ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0	0.78	ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.98	ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9	0.98	ng/L	1.96	2991-50-6	
PFOS*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1	
PFOS-LN*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.78	ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0	0.98	ng/L	1.96	68259-12-1	
PFDODA*	Not detected	2.0	0.59	ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0	0.98	ng/L	1.96	335-77-3	
PFTDA*	Not detected	2.0	0.78	ng/L	1.96	72629-94-8	
FOSA*	Not detected	2.0	0.78	ng/L	1.96	754-91-6	
PFTeDA*	Not detected	3.9	0.59	ng/L	1.96	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.98	ng/L	1.96	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.98	ng/L	1.96	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.96	919005-14-4	
HFPO-DA*	Not detected	9.8	2.0	ng/L	1.96	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.8	7.8	ng/L	1.96	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.96	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.96	356-02-5	
PFBSA*	Not detected	2.0	0.59	ng/L	1.96	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.03 (continued)
Sample Tag: OBG-MW-18S-20250605

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 03:11, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	8.3	2.0	0.78	ng/L	1.96	80988-54-1	
PFHxSA*	Not detected	2.0	0.59	ng/L	1.96	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.04

Sample Tag: MW-DUP-2-20250605

Collected Date/Time: 06/05/2025 00:01

Matrix: Groundwater

COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.94/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 03:31, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.0	ng/L	2.01	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	2.01	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.01	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	2.01	307-24-4	
PFBS*	0.98	2.0	0.60	ng/L	2.01	375-73-5	J
PFHpA*	Not detected	2.0	0.80	ng/L	2.01	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	2.01	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.01	27619-97-2	
PFOA*	Not detected	2.0	0.80	ng/L	2.01	335-67-1	
PFHxS*	2.8	2.0	1.0	ng/L	2.01	355-46-4	
PFHxS-LN*	2.1	2.0	1.0	ng/L	2.01	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	1.0	ng/L	2.01	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.01	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.01	39108-34-4	
PFHpS*	Not detected	2.0	0.80	ng/L	2.01	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.01	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.01	2355-31-9	
EtFOSAA*	Not detected	4.0	1.0	ng/L	2.01	2991-50-6	
PFOS*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1	
PFOS-LN*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.80	ng/L	2.01	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.01	68259-12-1	
PFDODA*	Not detected	2.0	0.60	ng/L	2.01	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.01	335-77-3	
PFTTrDA*	Not detected	2.0	0.80	ng/L	2.01	72629-94-8	
FOSA*	Not detected	2.0	0.80	ng/L	2.01	754-91-6	
PFTeDA*	Not detected	4.0	0.60	ng/L	2.01	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.01	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.01	756426-58-1	
ADONA*	Not detected	2.0	0.60	ng/L	2.01	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.01	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.0	ng/L	2.01	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.0	ng/L	2.01	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.0	ng/L	2.01	356-02-5	
PFBSA*	Not detected	2.0	0.60	ng/L	2.01	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.04 (continued)
Sample Tag: MW-DUP-2-20250605

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 03:31, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	8.9	2.0	0.80	ng/L	2.01	80988-54-1	
PFHxSA*	Not detected	2.0	0.60	ng/L	2.01	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.05

Sample Tag: B-19AR-20250605

Collected Date/Time: 06/05/2025 14:41

Matrix: Groundwater

COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.68/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 03:51, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	11	2.1	ng/L	2.12	375-22-4	
PFPeA*	Not detected	4.2	1.3	ng/L	2.12	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.12	757124-72-4	
PFHxA*	Not detected	2.1	1.3	ng/L	2.12	307-24-4	
PFBS*	Not detected	2.1	0.64	ng/L	2.12	375-73-5	
PFHpA*	Not detected	2.1	0.85	ng/L	2.12	375-85-9	
PFPeS*	Not detected	2.1	1.9	ng/L	2.12	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.1	ng/L	2.12	27619-97-2	
PFOA*	1.0	2.1	0.85	ng/L	2.12	335-67-1	J
PFHxS*	Not detected	2.1	1.1	ng/L	2.12	355-46-4	
PFHxS-LN*	Not detected	2.1	1.1	ng/L	2.12	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.1	ng/L	2.12	355-46-4-BR	
PFNA*	Not detected	2.1	1.1	ng/L	2.12	375-95-1	
8:2 FTSA*	Not detected	2.1	1.3	ng/L	2.12	39108-34-4	
PFHpS*	Not detected	2.1	0.85	ng/L	2.12	375-92-8	
PFDA*	Not detected	2.1	1.3	ng/L	2.12	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.1	ng/L	2.12	2355-31-9	
EtFOSAA*	Not detected	4.2	1.1	ng/L	2.12	2991-50-6	
PFOS*	1.1	2.1	0.85	ng/L	2.12	1763-23-1	J
PFOS-LN*	Not detected	2.1	0.85	ng/L	2.12	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.85	ng/L	2.12	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.85	ng/L	2.12	2058-94-8	
PFNS*	Not detected	2.1	1.1	ng/L	2.12	68259-12-1	
PFDODA*	Not detected	2.1	0.64	ng/L	2.12	307-55-1	
PFDS*	Not detected	2.1	1.1	ng/L	2.12	335-77-3	
PFTTrDA*	Not detected	2.1	0.85	ng/L	2.12	72629-94-8	
FOSA*	Not detected	2.1	0.85	ng/L	2.12	754-91-6	
PFTeDA*	Not detected	4.2	0.64	ng/L	2.12	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.1	ng/L	2.12	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.1	ng/L	2.12	756426-58-1	
ADONA*	Not detected	2.1	0.64	ng/L	2.12	919005-14-4	
HFPO-DA*	Not detected	11	2.1	ng/L	2.12	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	11	8.5	ng/L	2.12	812-70-4	
FPePA (5:3 FTCA)*	Not detected	11	4.2	ng/L	2.12	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	11	4.2	ng/L	2.12	356-02-5	
PFBSA*	Not detected	2.1	0.64	ng/L	2.12	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.05 (continued)
Sample Tag: B-19AR-20250605

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 03:51, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	3.2	2.1	0.85	ng/L	2.12	80988-54-1	
PFHxSA*	Not detected	2.1	0.64	ng/L	2.12	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.06
Sample Tag: OBG-MW-17S-20250605
Collected Date/Time: 06/05/2025 16:40
Matrix: Groundwater
COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.84/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 04:11, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	8.0	10	2.1	ng/L	2.05	375-22-4	J
PFPeA*	2.3	4.1	1.2	ng/L	2.05	2706-90-3	J
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.05	757124-72-4	
PFHxA*	1.6	2.1	1.2	ng/L	2.05	307-24-4	J
PFBS*	3.4	2.1	0.62	ng/L	2.05	375-73-5	
PFHpA*	1.2	2.1	0.82	ng/L	2.05	375-85-9	J
PFPeS*	2.9	2.1	1.8	ng/L	2.05	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.05	27619-97-2	
PFOA*	4.5	2.1	0.82	ng/L	2.05	335-67-1	
PFHxS*	15	2.1	1.0	ng/L	2.05	355-46-4	
PFHxS-LN*	12	2.1	1.0	ng/L	2.05	355-46-4-LN	
PFHxS-BR*	2.3	2.1	1.0	ng/L	2.05	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.05	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.05	39108-34-4	
PFHpS*	5.8	2.1	0.82	ng/L	2.05	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.05	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.05	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.05	2991-50-6	
PFOS*	560	2.1	0.82	ng/L	2.05	1763-23-1	
PFOS-LN*	320	2.1	0.82	ng/L	2.05	1763-23-1-LN	
PFOS-BR*	240	2.1	0.82	ng/L	2.05	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.82	ng/L	2.05	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.05	68259-12-1	
PFDODA*	Not detected	2.1	0.62	ng/L	2.05	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.05	335-77-3	
PFTTrDA*	Not detected	2.1	0.82	ng/L	2.05	72629-94-8	
FOSA*	Not detected	2.1	0.82	ng/L	2.05	754-91-6	
PFTeDA*	Not detected	4.1	0.62	ng/L	2.05	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.05	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.0	ng/L	2.05	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.05	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.05	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.2	ng/L	2.05	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.1	ng/L	2.05	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.1	ng/L	2.05	356-02-5	
PFBSA*	Not detected	2.1	0.62	ng/L	2.05	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.06 (continued)
Sample Tag: OBG-MW-17S-20250605

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 04:11, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	690	2.1	0.82	ng/L	2.05	80988-54-1	
PFHxSA*	Not detected	2.1	0.62	ng/L	2.05	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.07
Sample Tag: OBG-MW-26R-20250606
Collected Date/Time: 06/06/2025 09:32
Matrix: Groundwater
COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.73/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 04:31, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	32	11	2.1	ng/L	2.1	375-22-4	
PFPeA*	28	4.2	1.3	ng/L	2.1	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.1	757124-72-4	
PFHxA*	19	2.1	1.3	ng/L	2.1	307-24-4	
PFBS*	5.6	2.1	0.63	ng/L	2.1	375-73-5	
PFHpA*	4.2	2.1	0.84	ng/L	2.1	375-85-9	
PFPeS*	11	2.1	1.9	ng/L	2.1	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.1	ng/L	2.1	27619-97-2	
PFOA*	22	2.1	0.84	ng/L	2.1	335-67-1	
PFHxS*	53	2.1	1.1	ng/L	2.1	355-46-4	
PFHxS-LN*	48	2.1	1.1	ng/L	2.1	355-46-4-LN	
PFHxS-BR*	4.2	2.1	1.1	ng/L	2.1	355-46-4-BR	
PFNA*	Not detected	2.1	1.1	ng/L	2.1	375-95-1	
8:2 FTSA*	Not detected	2.1	1.3	ng/L	2.1	39108-34-4	
PFHpS*	14	2.1	0.84	ng/L	2.1	375-92-8	
PFDA*	Not detected	2.1	1.3	ng/L	2.1	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.1	ng/L	2.1	2355-31-9	
EtFOSAA*	Not detected	4.2	1.1	ng/L	2.1	2991-50-6	
PFOS*	410	2.1	0.84	ng/L	2.1	1763-23-1	
PFOS-LN*	89	2.1	0.84	ng/L	2.1	1763-23-1-LN	
PFOS-BR*	330	2.1	0.84	ng/L	2.1	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.84	ng/L	2.1	2058-94-8	
PFNS*	Not detected	2.1	1.1	ng/L	2.1	68259-12-1	
PFDODA*	Not detected	2.1	0.63	ng/L	2.1	307-55-1	
PFDS*	Not detected	2.1	1.1	ng/L	2.1	335-77-3	
PFTTrDA*	Not detected	2.1	0.84	ng/L	2.1	72629-94-8	
FOSA*	Not detected	2.1	0.84	ng/L	2.1	754-91-6	
PFTeDA*	Not detected	4.2	0.63	ng/L	2.1	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.1	ng/L	2.1	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.1	ng/L	2.1	756426-58-1	
ADONA*	Not detected	2.1	0.63	ng/L	2.1	919005-14-4	
HFPO-DA*	Not detected	11	2.1	ng/L	2.1	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	11	8.4	ng/L	2.1	812-70-4	
FPePA (5:3 FTCA)*	Not detected	11	4.2	ng/L	2.1	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	11	4.2	ng/L	2.1	356-02-5	
PFBSA*	Not detected	2.1	0.63	ng/L	2.1	30334-69-1	
PFECHS*	1,300	2.1	0.84	ng/L	2.1	80988-54-1	



Analytical Laboratory Report

Lab Sample ID: S75409.07 (continued)
Sample Tag: OBG-MW-26R-20250606

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 04:31, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.1	0.63	ng/L	2.1	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.08

Sample Tag: OBG-MW-27R-20250606

Collected Date/Time: 06/06/2025 11:24

Matrix: Groundwater

COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.53/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 04:51, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	4.9	11	2.2	ng/L	2.18	375-22-4	J
PFPeA*	Not detected	4.4	1.3	ng/L	2.18	2706-90-3	
4:2 FTSA*	Not detected	2.2	0.22	ng/L	2.18	757124-72-4	
PFHxA*	2.3	2.2	1.3	ng/L	2.18	307-24-4	
PFBS*	15	2.2	0.65	ng/L	2.18	375-73-5	
PFHpA*	1.0	2.2	0.87	ng/L	2.18	375-85-9	J
PFPeS*	21	2.2	2.0	ng/L	2.18	2706-91-4	
6:2 FTSA*	Not detected	2.2	1.1	ng/L	2.18	27619-97-2	
PFOA*	6.7	2.2	0.87	ng/L	2.18	335-67-1	
PFHxS*	43	2.2	1.1	ng/L	2.18	355-46-4	
PFHxS-LN*	33	2.2	1.1	ng/L	2.18	355-46-4-LN	
PFHxS-BR*	10	2.2	1.1	ng/L	2.18	355-46-4-BR	
PFNA*	Not detected	2.2	1.1	ng/L	2.18	375-95-1	
8:2 FTSA*	Not detected	2.2	1.3	ng/L	2.18	39108-34-4	
PFHpS*	1.9	2.2	0.87	ng/L	2.18	375-92-8	J
PFDA*	Not detected	2.2	1.3	ng/L	2.18	335-76-2	
N-MeFOSAA*	Not detected	2.2	1.1	ng/L	2.18	2355-31-9	
EtFOSAA*	Not detected	4.4	1.1	ng/L	2.18	2991-50-6	
PFOS*	19	2.2	0.87	ng/L	2.18	1763-23-1	
PFOS-LN*	Not detected	2.2	0.87	ng/L	2.18	1763-23-1-LN	
PFOS-BR*	19	2.2	0.87	ng/L	2.18	1763-23-1-BR	
PFUnDA*	Not detected	2.2	0.87	ng/L	2.18	2058-94-8	
PFNS*	Not detected	2.2	1.1	ng/L	2.18	68259-12-1	
PFDODA*	Not detected	2.2	0.65	ng/L	2.18	307-55-1	
PFDS*	Not detected	2.2	1.1	ng/L	2.18	335-77-3	
PFTTrDA*	Not detected	2.2	0.87	ng/L	2.18	72629-94-8	
FOSA*	Not detected	2.2	0.87	ng/L	2.18	754-91-6	
PFTeDA*	Not detected	4.4	0.65	ng/L	2.18	376-06-7	
11Cl-PF3OUdS*	Not detected	2.2	1.1	ng/L	2.18	763051-92-9	
9Cl-PF3ONS*	Not detected	2.2	1.1	ng/L	2.18	756426-58-1	
ADONA*	Not detected	2.2	0.65	ng/L	2.18	919005-14-4	
HFPO-DA*	Not detected	11	2.2	ng/L	2.18	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	11	8.7	ng/L	2.18	812-70-4	
FPePA (5:3 FTCA)*	Not detected	11	4.4	ng/L	2.18	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	11	4.4	ng/L	2.18	356-02-5	
PFBSA*	Not detected	2.2	0.65	ng/L	2.18	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.08 (continued)
Sample Tag: OBG-MW-27R-20250606

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 04:51, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	1,200	2.2	0.87	ng/L	2.18	80988-54-1	
PFHxSA*	Not detected	2.2	0.65	ng/L	2.18	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.09

Sample Tag: MW-DUP-3-20250606

Collected Date/Time: 06/06/2025 00:01

Matrix: Groundwater

COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.75/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 05:11, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	4.5	10	2.1	ng/L	2.09	375-22-4	J
PFPeA*	Not detected	4.2	1.3	ng/L	2.09	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.09	757124-72-4	
PFHxA*	2.4	2.1	1.3	ng/L	2.09	307-24-4	
PFBS*	15	2.1	0.63	ng/L	2.09	375-73-5	
PFHpA*	0.84	2.1	0.84	ng/L	2.09	375-85-9	J
PFPeS*	20	2.1	1.9	ng/L	2.09	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.09	27619-97-2	
PFOA*	6.2	2.1	0.84	ng/L	2.09	335-67-1	
PFHxS*	43	2.1	1.0	ng/L	2.09	355-46-4	
PFHxS-LN*	33	2.1	1.0	ng/L	2.09	355-46-4-LN	
PFHxS-BR*	10	2.1	1.0	ng/L	2.09	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.09	375-95-1	
8:2 FTSA*	Not detected	2.1	1.3	ng/L	2.09	39108-34-4	
PFHpS*	1.9	2.1	0.84	ng/L	2.09	375-92-8	J
PFDA*	Not detected	2.1	1.3	ng/L	2.09	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.09	2355-31-9	
EtFOSAA*	Not detected	4.2	1.0	ng/L	2.09	2991-50-6	
PFOS*	16	2.1	0.84	ng/L	2.09	1763-23-1	
PFOS-LN*	Not detected	2.1	0.84	ng/L	2.09	1763-23-1-LN	
PFOS-BR*	16	2.1	0.84	ng/L	2.09	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.84	ng/L	2.09	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.09	68259-12-1	
PFDODA*	Not detected	2.1	0.63	ng/L	2.09	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.09	335-77-3	
PFTTrDA*	Not detected	2.1	0.84	ng/L	2.09	72629-94-8	
FOSA*	Not detected	2.1	0.84	ng/L	2.09	754-91-6	
PFTeDA*	Not detected	4.2	0.63	ng/L	2.09	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.09	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.0	ng/L	2.09	756426-58-1	
ADONA*	Not detected	2.1	0.63	ng/L	2.09	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.09	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.4	ng/L	2.09	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.2	ng/L	2.09	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.2	ng/L	2.09	356-02-5	
PFBSA*	Not detected	2.1	0.63	ng/L	2.09	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.09 (continued)
Sample Tag: MW-DUP-3-20250606

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 05:11, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	1,200	2.1	0.84	ng/L	2.09	80988-54-1	
PFHxSA*	Not detected	2.1	0.63	ng/L	2.09	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.10
Sample Tag: OBG-MW-29-20250606
Collected Date/Time: 06/06/2025 12:42
Matrix: Groundwater
COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.80/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 05:31, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.1	ng/L	2.07	375-22-4	
PFPeA*	Not detected	4.1	1.2	ng/L	2.07	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.07	757124-72-4	
PFHxA*	2.2	2.1	1.2	ng/L	2.07	307-24-4	
PFBS*	14	2.1	0.62	ng/L	2.07	375-73-5	
PFHpA*	1.2	2.1	0.83	ng/L	2.07	375-85-9	J
PFPeS*	20	2.1	1.9	ng/L	2.07	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.07	27619-97-2	
PFOA*	3.9	2.1	0.83	ng/L	2.07	335-67-1	
PFHxS*	36	2.1	1.0	ng/L	2.07	355-46-4	
PFHxS-LN*	26	2.1	1.0	ng/L	2.07	355-46-4-LN	
PFHxS-BR*	11	2.1	1.0	ng/L	2.07	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.07	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.07	39108-34-4	
PFHpS*	Not detected	2.1	0.83	ng/L	2.07	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.07	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.07	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.07	2991-50-6	
PFOS*	2.9	2.1	0.83	ng/L	2.07	1763-23-1	
PFOS-LN*	Not detected	2.1	0.83	ng/L	2.07	1763-23-1-LN	
PFOS-BR*	2.8	2.1	0.83	ng/L	2.07	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.83	ng/L	2.07	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.07	68259-12-1	
PFDODA*	Not detected	2.1	0.62	ng/L	2.07	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.07	335-77-3	
PFTTrDA*	Not detected	2.1	0.83	ng/L	2.07	72629-94-8	
FOSA*	Not detected	2.1	0.83	ng/L	2.07	754-91-6	
PFTeDA*	Not detected	4.1	0.62	ng/L	2.07	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.07	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.0	ng/L	2.07	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.07	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.07	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.3	ng/L	2.07	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.1	ng/L	2.07	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.1	ng/L	2.07	356-02-5	
PFBSA*	Not detected	2.1	0.62	ng/L	2.07	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.10 (continued)
Sample Tag: OBG-MW-29-20250606

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 05:31, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	920	2.1	0.83	ng/L	2.07	80988-54-1	
PFHxSA*	Not detected	2.1	0.62	ng/L	2.07	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.11
Sample Tag: B-9-20250606
Collected Date/Time: 06/06/2025 12:16
Matrix: Groundwater
COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.88/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 05:51, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	15	10	2.0	ng/L	2.04	375-22-4	
PFPeA*	1.9	4.1	1.2	ng/L	2.04	2706-90-3	J
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.04	757124-72-4	
PFHxA*	5.5	2.0	1.2	ng/L	2.04	307-24-4	
PFBS*	3.6	2.0	0.61	ng/L	2.04	375-73-5	
PFHpA*	1.9	2.0	0.82	ng/L	2.04	375-85-9	J
PFPeS*	Not detected	2.0	1.8	ng/L	2.04	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.04	27619-97-2	
PFOA*	9.9	2.0	0.82	ng/L	2.04	335-67-1	
PFHxS*	6.2	2.0	1.0	ng/L	2.04	355-46-4	
PFHxS-LN*	5.1	2.0	1.0	ng/L	2.04	355-46-4-LN	
PFHxS-BR*	1.0	2.0	1.0	ng/L	2.04	355-46-4-BR	J
PFNA*	Not detected	2.0	1.0	ng/L	2.04	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.04	39108-34-4	
PFHpS*	1.7	2.0	0.82	ng/L	2.04	375-92-8	J
PFDA*	Not detected	2.0	1.2	ng/L	2.04	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.04	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.04	2991-50-6	
PFOS*	23	2.0	0.82	ng/L	2.04	1763-23-1	
PFOS-LN*	2.3	2.0	0.82	ng/L	2.04	1763-23-1-LN	
PFOS-BR*	19	2.0	0.82	ng/L	2.04	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.82	ng/L	2.04	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.04	68259-12-1	
PFDODA*	Not detected	2.0	0.61	ng/L	2.04	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.04	335-77-3	
PFTTrDA*	Not detected	2.0	0.82	ng/L	2.04	72629-94-8	
FOSA*	Not detected	2.0	0.82	ng/L	2.04	754-91-6	
PFTeDA*	Not detected	4.1	0.61	ng/L	2.04	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.04	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.04	756426-58-1	
ADONA*	Not detected	2.0	0.61	ng/L	2.04	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.04	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.2	ng/L	2.04	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.1	ng/L	2.04	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.1	ng/L	2.04	356-02-5	
PFBSA*	Not detected	2.0	0.61	ng/L	2.04	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.11 (continued)
Sample Tag: B-9-20250606

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 05:51, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	160	2.0	0.82	ng/L	2.04	80988-54-1	
PFHxSA*	Not detected	2.0	0.61	ng/L	2.04	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.12

Sample Tag: B-7-20250606

Collected Date/Time: 06/06/2025 11:00

Matrix: Groundwater

COC Reference: 57053

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.99/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 06:11, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	9.7	10	2.0	ng/L	2	375-22-4	J
PFPeA*	2.5	4.0	1.2	ng/L	2	2706-90-3	J
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2	757124-72-4	
PFHxA*	2.5	2.0	1.2	ng/L	2	307-24-4	
PFBS*	5.7	2.0	0.60	ng/L	2	375-73-5	
PFHpA*	1.2	2.0	0.80	ng/L	2	375-85-9	J
PFPeS*	3.7	2.0	1.8	ng/L	2	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2	27619-97-2	
PFOA*	5.2	2.0	0.80	ng/L	2	335-67-1	
PFHxS*	12	2.0	1.0	ng/L	2	355-46-4	
PFHxS-LN*	10	2.0	1.0	ng/L	2	355-46-4-LN	
PFHxS-BR*	1.7	2.0	1.0	ng/L	2	355-46-4-BR	J
PFNA*	1.2	2.0	1.0	ng/L	2	375-95-1	J
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2	39108-34-4	
PFHpS*	2.5	2.0	0.80	ng/L	2	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2	2355-31-9	
EtFOSAA*	Not detected	4.0	1.0	ng/L	2	2991-50-6	
PFOS*	95	2.0	0.80	ng/L	2	1763-23-1	
PFOS-LN*	52	2.0	0.80	ng/L	2	1763-23-1-LN	
PFOS-BR*	39	2.0	0.80	ng/L	2	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.80	ng/L	2	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2	68259-12-1	
PFDODA*	Not detected	2.0	0.60	ng/L	2	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2	335-77-3	
PFTTrDA*	Not detected	2.0	0.80	ng/L	2	72629-94-8	
FOSA*	Not detected	2.0	0.80	ng/L	2	754-91-6	
PFTeDA*	Not detected	4.0	0.60	ng/L	2	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2	756426-58-1	
ADONA*	Not detected	2.0	0.60	ng/L	2	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.0	ng/L	2	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.0	ng/L	2	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.0	ng/L	2	356-02-5	
PFBSA*	Not detected	2.0	0.60	ng/L	2	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75409.12 (continued)
Sample Tag: B-7-20250606

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 06:11, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	170	2.0	0.80	ng/L	2	80988-54-1	
PFHxSA*	Not detected	2.0	0.60	ng/L	2	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.13

Sample Tag: B-27D-20250604

Collected Date/Time: 06/04/2025 15:12

Matrix: Groundwater

COC Reference: 57837

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.95/6.48/11	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 06:31, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.0	ng/L	2.01	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	2.01	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.01	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	2.01	307-24-4	
PFBS*	Not detected	2.0	0.60	ng/L	2.01	375-73-5	
PFHpA*	Not detected	2.0	0.80	ng/L	2.01	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	2.01	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.01	27619-97-2	
PFOA*	Not detected	2.0	0.80	ng/L	2.01	335-67-1	
PFHxS*	Not detected	2.0	1.0	ng/L	2.01	355-46-4	
PFHxS-LN*	Not detected	2.0	1.0	ng/L	2.01	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	1.0	ng/L	2.01	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.01	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.01	39108-34-4	
PFHpS*	Not detected	2.0	0.80	ng/L	2.01	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.01	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.01	2355-31-9	
EtFOSAA*	Not detected	4.0	1.0	ng/L	2.01	2991-50-6	
PFOS*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1	
PFOS-LN*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.80	ng/L	2.01	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.01	68259-12-1	
PFDODA*	Not detected	2.0	0.60	ng/L	2.01	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.01	335-77-3	
PFTTrDA*	Not detected	2.0	0.80	ng/L	2.01	72629-94-8	
FOSA*	Not detected	2.0	0.80	ng/L	2.01	754-91-6	
PFTeDA*	Not detected	4.0	0.60	ng/L	2.01	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.01	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.01	756426-58-1	
ADONA*	Not detected	2.0	0.60	ng/L	2.01	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.01	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.0	ng/L	2.01	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.0	ng/L	2.01	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.0	ng/L	2.01	356-02-5	
PFBSA*	Not detected	2.0	0.60	ng/L	2.01	30334-69-1	
PFECHS*	Not detected	2.0	0.80	ng/L	2.01	80988-54-1	



Analytical Laboratory Report

Lab Sample ID: S75409.13 (continued)
Sample Tag: B-27D-20250604

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 06:31, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.0	0.60	ng/L	2.01	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75409.14

Sample Tag: FieldBlank-20250606

Collected Date/Time: 06/06/2025 00:01

Matrix: Liquid

COC Reference: 57837

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	3.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.46/6.48/10	ASTMD7979-19M	06/10/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 06:51, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.0	ng/L	2.01	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	2.01	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.01	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	2.01	307-24-4	
PFBS*	Not detected	2.0	0.60	ng/L	2.01	375-73-5	
PFHpA*	Not detected	2.0	0.80	ng/L	2.01	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	2.01	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.01	27619-97-2	
PFOA*	Not detected	2.0	0.80	ng/L	2.01	335-67-1	
PFHxS*	Not detected	2.0	1.0	ng/L	2.01	355-46-4	
PFHxS-LN*	Not detected	2.0	1.0	ng/L	2.01	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	1.0	ng/L	2.01	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.01	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.01	39108-34-4	
PFHpS*	Not detected	2.0	0.80	ng/L	2.01	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.01	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.01	2355-31-9	
EtFOSAA*	Not detected	4.0	1.0	ng/L	2.01	2991-50-6	
PFOS*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1	
PFOS-LN*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.80	ng/L	2.01	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.01	68259-12-1	
PFDODA*	Not detected	2.0	0.60	ng/L	2.01	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.01	335-77-3	
PFTTrDA*	Not detected	2.0	0.80	ng/L	2.01	72629-94-8	
FOSA*	Not detected	2.0	0.80	ng/L	2.01	754-91-6	
PFTeDA*	Not detected	4.0	0.60	ng/L	2.01	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.01	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.01	756426-58-1	
ADONA*	Not detected	2.0	0.60	ng/L	2.01	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.01	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.0	ng/L	2.01	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.0	ng/L	2.01	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.0	ng/L	2.01	356-02-5	
PFBSA*	Not detected	2.0	0.60	ng/L	2.01	30334-69-1	
PFECHS*	Not detected	2.0	0.80	ng/L	2.01	80988-54-1	



Analytical Laboratory Report

Lab Sample ID: S75409.14 (continued)
Sample Tag: FieldBlank-20250606

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/11/25 06:51, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.0	0.60	ng/L	2.01	41997-13-1	

Merit Laboratories Login Checklist

Lab Set ID:S75409

Client:RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Rd

Submitted:06/06/2025 15:20 Login User: PFD

Attention: Clifford Yantz

Address: Ramboll Americas
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:
Email: Clifford.Yantz@ramboll.com

Selection	Description	Note
Sample Receiving		
01.	☒ Yes ☐ No ☐ N/A	Samples are received at 4C +/- 2C Thermometer # IR: 3.1C
02.	☒ Yes ☐ No ☐ N/A	Received on ice/ cooling process begun
03.	☐ Yes ☒ No ☐ N/A	Samples shipped
04.	☐ Yes ☒ No ☐ N/A	Samples left in 24 hr. drop box
05.	☐ Yes ☐ No ☒ N/A	Are there custody seals/tape or is the drop box locked
Chain of Custody		
06.	☒ Yes ☐ No ☐ N/A	COC adequately filled out
07.	☒ Yes ☐ No ☐ N/A	COC signed and relinquished to the lab
08.	☒ Yes ☐ No ☐ N/A	Sample tag on bottles match COC
09.	☐ Yes ☒ No ☐ N/A	Subcontracting needed? Subcontacted to:
Preservation		
10.	☒ Yes ☐ No ☐ N/A	Do sample have correct chemical preservation
11.	☐ Yes ☐ No ☒ N/A	Completed pH checks on preserved samples? (no VOAs)
12.	☐ Yes ☒ No ☐ N/A	Did any samples need to be preserved in the lab?
Bottle Conditions		
13.	☒ Yes ☐ No ☐ N/A	All bottles intact
14.	☒ Yes ☐ No ☐ N/A	Appropriate analytical bottles are used
15.	☒ Yes ☐ No ☐ N/A	Merit bottles used
16.	☒ Yes ☐ No ☐ N/A	Sufficient sample volume received
17.	☐ Yes ☒ No ☐ N/A	Samples require laboratory filtration
18.	☒ Yes ☐ No ☐ N/A	Samples submitted within holding time
19.	☐ Yes ☐ No ☒ N/A	Do water VOC, TOX, DO or Alkalinity bottles contain

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____



2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 2

57053

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <i>Clifford Vantz / Kevin Schneider</i>	
COMPANY <i>Ramboll</i>	
ADDRESS <i>2090 Commonwealth Blvd</i>	
CITY <i>Ann Arbor</i>	STATE <i>MI</i>
PHONE NO. <i>313-333-0211</i>	ZIP CODE <i>48105</i>
FAX NO. <i>—</i>	P.O. NO. <i>194001180 Task 37</i>
E-MAIL ADDRESS <i>clifford.vantz@ramboll.com kevin.schneider@ramboll.com</i>	
QUOTE NO. <i>—</i>	

CONTACT NAME <i>X SAME</i>	
COMPANY	
ADDRESS	
CITY	STATE
PHONE NO.	ZIP CODE
FAX NO.	P.O. NO.

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME <i>RACER Coldwater Rd</i>		SAMPLER(S) - PLEASE PRINT/SIGN NAME <i>Savannah Thielbar</i>														SPECIAL INSTRUCTIONS/NOTES																					
TURNAROUND TIME REQUIRED																																					
☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																																					
DELIVERABLES REQUIRED																																					
☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER																																					
MATRIX CODE:		GW=GROUNDWATER SL=SLUDGE		WW=WASTEWATER O=OIL		S=SOIL A=AIR		L=LIQUID W=WASTE		SD=SOLID M=MISC		# Containers & Preservatives																									
MERIT LAB NO.		YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX		# OF BOTTLES		NONE		HCL		HNO3		H2SO4		NaOH		MeOH		OTHER															
DATE		TIME																																			
<i>754/09/01</i>		<i>6/4/25</i>		<i>1448</i>		<i>OBH-MW-21-20250604</i>		<i>GW</i>		<i>3</i>		<i>X</i>																								<i>low level reporting with estimated values</i>	
<i>-02</i>		<i>6/4/25</i>		<i>1624</i>		<i>OBH-MW-125-20250604</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.03</i>		<i>6/5/25</i>		<i>1402</i>		<i>OBH-MW-185-20250605</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.04</i>		<i>6/5/25</i>		<i>—</i>		<i>MW-DVP-2-20250605</i>		<i>GW</i>		<i>3</i>		<i>X</i>																								<i>34 PFAS List</i>	
<i>.05</i>		<i>6/5/25</i>		<i>1441</i>		<i>B-19AR-20250605</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.06</i>		<i>6/5/25</i>		<i>1640</i>		<i>OBH-MW-75-20250605</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.07</i>		<i>6/6/25</i>		<i>0932</i>		<i>OBH-MW-26R-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.08</i>		<i>6/6/25</i>		<i>1124</i>		<i>OBH-MW-27R-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.09</i>		<i>6/6/25</i>		<i>—</i>		<i>MW-DVP-3-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.10</i>		<i>6/6/25</i>		<i>1242</i>		<i>SE OBH-MW-29-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.11</i>		<i>6/6/25</i>		<i>1216</i>		<i>B-9-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.12</i>		<i>6/6/25</i>		<i>1100</i>		<i>B-7-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									

RELINQUISHED BY: <i>Savannah Thielbar</i>	DATE: <i>6/6/25</i>	TIME: <i>1330</i>	RELINQUISHED BY:	DATE:	TIME:
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RECEIVED BY: <i>[Signature]</i>	DATE: <i>6/6/25</i>	TIME: <i>1724</i>	RECEIVED BY:	DATE:	TIME:
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RELINQUISHED BY: <i>[Signature]</i>	DATE: <i>6/8/25</i>	TIME: <i>1520</i>	RELINQUISHED BY:	DATE:	TIME:
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RECEIVED BY: <i>[Signature]</i>	DATE: <i>6/8/25</i>	TIME: <i>1520</i>	RECEIVED BY:	DATE:	TIME:
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL	<i>3.1</i>
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS			

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

Merit

Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 2 OF 2

57837

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Clifford Yantz / Kevin Schneider			
COMPANY Ramboll			
ADDRESS 2090 Common Wealth Blvd.			
CITY Ann Arbor		STATE MI	ZIP CODE 48105
PHONE NO. 313-333-0211	FAX NO. —	P.O. NO. 1940011180 Task 37	QUOTE NO. —
E-MAIL ADDRESS clifford.yantz@ramboll.com kevin.schneider@ramboll.com			

CONTACT NAME SAME		
COMPANY		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME RACER Coldwater Rd		SAMPLER(S) - PLEASE PRINT/SIGN NAME Savannah Thielbar		SPECIAL INSTRUCTIONS/NOTES low level reporting with estimated values 34 PFAS list ST														
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																		
DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER																		
MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives												
MERIT LAB NO.	YEAR DATE TIME		SAMPLE TAG IDENTIFICATION-DESCRIPTION		edited ID by Kevin Schneider 6/10/2025		HNO ₃	H ₂ SO ₄	NaOH	MeOH	OTHER							
75409.13	6/4/25	1512	B-27D-20250604		GW	3	X					X						
.14	6/6/25	—	Field Blank-20250606		L	2	X					X						
ST																		

RELINQUISHED BY: Savannah Thielbar	DATE 6-6-25	TIME 1330
SIGNATURE/ORGANIZATION		
RECEIVED BY:	DATE 6/6/25	TIME 13:20
SIGNATURE/ORGANIZATION		
RELINQUISHED BY:	DATE 6/6/25	TIME 15:20
SIGNATURE/ORGANIZATION		
RECEIVED BY:	DATE 6/6/25	TIME 15:20
SIGNATURE/ORGANIZATION		

RELINQUISHED BY:	DATE	TIME
SIGNATURE/ORGANIZATION		
RECEIVED BY:	DATE	TIME
SIGNATURE/ORGANIZATION		
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:		TEMP. ON ARRIVAL 3.1

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE



Quality Control Report

Report ID: QC-S75409-01
Generated on 06/24/2025

Report to

Attention: Clifford Yantz
Ramboll Americas
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S75409.01-S75409.14
Project: RACER Coldwater Rd
Submitted Date/Time: 06/06/2025 15:20
Sampled by: Savannah Thielbar
P.O. #: 1940011180 TASK 37

QC Report Sections

Cover Page (Page 1)
Analysis Summary (Pages 2-15)
Prep Batch Summary (Page 16)
Internal Standards per Lab Sample (Pages 17-30)
Internal Standards per QC Sample (Pages 31-35)
Batch QC Results (Pages 36-40)

Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S75409.01
Sample Tag: OBG-MW-21-20250604
Collected Date/Time: 06/04/2025 14:48
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 01:51	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.02
Sample Tag: OBG-MW-12S-20250604
Collected Date/Time: 06/04/2025 16:24
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 02:31	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.03
Sample Tag: OBG-MW-18S-20250605
Collected Date/Time: 06/05/2025 14:02
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 03:11	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.04
Sample Tag: MW-DUP-2-20250605
Collected Date/Time: 06/05/2025 00:01
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 03:31	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.05
Sample Tag: B-19AR-20250605
Collected Date/Time: 06/05/2025 14:41
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 03:51	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.06
Sample Tag: OBG-MW-17S-20250605
Collected Date/Time: 06/05/2025 16:40
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 04:11	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.07
Sample Tag: OBG-MW-26R-20250606
Collected Date/Time: 06/06/2025 09:32
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 04:31	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.08
Sample Tag: OBG-MW-27R-20250606
Collected Date/Time: 06/06/2025 11:24
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 04:51	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.09
Sample Tag: MW-DUP-3-20250606
Collected Date/Time: 06/06/2025 00:01
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 05:11	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.10
Sample Tag: OBG-MW-29-20250606
Collected Date/Time: 06/06/2025 12:42
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 05:31	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.11
Sample Tag: B-9-20250606
Collected Date/Time: 06/06/2025 12:16
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 05:51	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.12
Sample Tag: B-7-20250606
Collected Date/Time: 06/06/2025 11:00
Matrix: Groundwater
COC Reference: 57053

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 06:11	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.13
Sample Tag: B-27D-20250604
Collected Date/Time: 06/04/2025 15:12
Matrix: Groundwater
COC Reference: 57837

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 06:31	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S75409.14
Sample Tag: FieldBlank-20250606
Collected Date/Time: 06/06/2025 00:01
Matrix: Liquid
COC Reference: 57837

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/11/25 06:51	AK250610W2	PF250610W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: PF250610W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S75409.01	34 PFAs	ASTMD7979-19M	06/11/25 01:51	AK250610W2
S75409.02	34 PFAs	ASTMD7979-19M	06/11/25 02:31	AK250610W2
S75409.03	34 PFAs	ASTMD7979-19M	06/11/25 03:11	AK250610W2
S75409.04	34 PFAs	ASTMD7979-19M	06/11/25 03:31	AK250610W2
S75409.05	34 PFAs	ASTMD7979-19M	06/11/25 03:51	AK250610W2
S75409.06	34 PFAs	ASTMD7979-19M	06/11/25 04:11	AK250610W2
S75409.07	34 PFAs	ASTMD7979-19M	06/11/25 04:31	AK250610W2
S75409.08	34 PFAs	ASTMD7979-19M	06/11/25 04:51	AK250610W2
S75409.09	34 PFAs	ASTMD7979-19M	06/11/25 05:11	AK250610W2
S75409.10	34 PFAs	ASTMD7979-19M	06/11/25 05:31	AK250610W2
S75409.11	34 PFAs	ASTMD7979-19M	06/11/25 05:51	AK250610W2
S75409.12	34 PFAs	ASTMD7979-19M	06/11/25 06:11	AK250610W2
S75409.13	34 PFAs	ASTMD7979-19M	06/11/25 06:31	AK250610W2
S75409.14	34 PFAs	ASTMD7979-19M	06/11/25 06:51	AK250610W2

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.01

Sample Tag: OBG-MW-21-20250604

Collected Date/Time: 06/04/2025 14:48

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 01:51, Matrix: WW, Dilution: 2.06

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		102.2	50.0	150.0
M2-6:2FTSA		94.9	50.0	150.0
M2-8:2FTSA		116.5	50.0	150.0
M2PFTeDA		113.7	12.0	218.0
M3PFBS		99.8	50.0	150.0
M3PFHxS		100.2	50.0	150.0
M4PFHpA		95.7	50.0	150.0
M5PFHxA		95.4	50.0	150.0
M5PFPeA		103.5	50.0	150.0
M6PFDA		104.1	50.0	150.0
M7PFUnDA		116.8	50.0	150.0
M8FOSA		105.4	50.0	150.0
M8PFOA		110.3	50.0	150.0
M8PFOS		111.5	50.0	150.0
M9-PFNA		104.6	50.0	150.0
MPFBA		104.7	50.0	150.0
MPFDoDA		105.8	50.0	150.0
d3N-MeFOSAA		101.9	50.0	150.0
d5EtFOSAA		109.9	50.0	150.0
MHFPO-DA		117.2	50.0	150.0
d-N-EtFOSA-M		104.1	50.0	150.0
d-N-MeFOSA-M		105.2	50.0	150.0
d7-N-MeFOSE-M		104.5	50.0	150.0
d9-N-EtFOSE-M		111.1	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.02

Sample Tag: OBG-MW-12S-20250604

Collected Date/Time: 06/04/2025 16:24

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 02:31, Matrix: WW, Dilution: 2.03

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		112.9	50.0	150.0
M2-6:2FTSA		106.6	50.0	150.0
M2-8:2FTSA		116.3	50.0	150.0
M2PFTeDA		118.2	12.0	218.0
M3PFBS		112.9	50.0	150.0
M3PFHxS		114.6	50.0	150.0
M4PFHpA		105.0	50.0	150.0
M5PFHxA		109.5	50.0	150.0
M5PFPeA		113.8	50.0	150.0
M6PFDA		110.0	50.0	150.0
M7PFUnDA		121.9	50.0	150.0
M8FOSA		111.6	50.0	150.0
M8PFOA		111.7	50.0	150.0
M8PFOS		111.4	50.0	150.0
M9-PFNA		115.9	50.0	150.0
MPFBA		108.0	50.0	150.0
MPFDoDA		111.3	50.0	150.0
d3N-MeFOSAA		98.3	50.0	150.0
d5EtFOSAA		116.9	50.0	150.0
MHFPO-DA		115.2	50.0	150.0
d-N-EtFOSA-M		103.5	50.0	150.0
d-N-MeFOSA-M		103.5	50.0	150.0
d7-N-MeFOSE-M		108.0	50.0	150.0
d9-N-EtFOSE-M		116.4	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.03

Sample Tag: OBG-MW-18S-20250605

Collected Date/Time: 06/05/2025 14:02

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 03:11, Matrix: WW, Dilution: 1.96

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		90.0	50.0	150.0
M2-6:2FTSA		96.7	50.0	150.0
M2-8:2FTSA		110.8	50.0	150.0
M2PFTeDA		100.1	12.0	218.0
M3PFBS		92.0	50.0	150.0
M3PFHxS		100.4	50.0	150.0
M4PFHpA		101.4	50.0	150.0
M5PFHxA		99.5	50.0	150.0
M5PFPeA		101.9	50.0	150.0
M6PFDA		100.9	50.0	150.0
M7PFUnDA		105.5	50.0	150.0
M8FOSA		96.3	50.0	150.0
M8PFOA		114.0	50.0	150.0
M8PFOS		104.6	50.0	150.0
M9-PFNA		100.8	50.0	150.0
MPFBA		99.4	50.0	150.0
MPFDoDA		92.4	50.0	150.0
d3N-MeFOSAA		86.0	50.0	150.0
d5EtFOSAA		102.0	50.0	150.0
MHFPO-DA		112.2	50.0	150.0
d-N-EtFOSA-M		98.8	50.0	150.0
d-N-MeFOSA-M		94.6	50.0	150.0
d7-N-MeFOSE-M		98.6	50.0	150.0
d9-N-EtFOSE-M		102.8	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.04

Sample Tag: MW-DUP-2-20250605

Collected Date/Time: 06/05/2025 00:01

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 03:31, Matrix: WW, Dilution: 2.01

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		91.0	50.0	150.0
M2-6:2FTSA		89.8	50.0	150.0
M2-8:2FTSA		105.5	50.0	150.0
M2PFTeDA		117.3	12.0	218.0
M3PFBS		100.9	50.0	150.0
M3PFHxS		98.4	50.0	150.0
M4PFHpA		104.6	50.0	150.0
M5PFHxA		95.9	50.0	150.0
M5PFPeA		104.8	50.0	150.0
M6PFDA		104.8	50.0	150.0
M7PFUnDA		107.9	50.0	150.0
M8FOSA		103.1	50.0	150.0
M8PFOA		122.9	50.0	150.0
M8PFOS		98.4	50.0	150.0
M9-PFNA		116.3	50.0	150.0
MPFBA		97.6	50.0	150.0
MPFDoDA		104.8	50.0	150.0
d3N-MeFOSAA		78.1	50.0	150.0
d5EtFOSAA		102.8	50.0	150.0
MHFPO-DA		102.4	50.0	150.0
d-N-EtFOSA-M		105.7	50.0	150.0
d-N-MeFOSA-M		97.5	50.0	150.0
d7-N-MeFOSE-M		106.9	50.0	150.0
d9-N-EtFOSE-M		111.0	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.05

Sample Tag: B-19AR-20250605

Collected Date/Time: 06/05/2025 14:41

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 03:51, Matrix: WW, Dilution: 2.12

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		104.7	50.0	150.0
M2-6:2FTSA		102.5	50.0	150.0
M2-8:2FTSA		120.5	50.0	150.0
M2PFTeDA		123.4	12.0	218.0
M3PFBS		97.8	50.0	150.0
M3PFHxS		101.6	50.0	150.0
M4PFHpA		99.7	50.0	150.0
M5PFHxA		101.6	50.0	150.0
M5PFPeA		101.2	50.0	150.0
M6PFDA		102.5	50.0	150.0
M7PFUnDA		107.6	50.0	150.0
M8FOSA		102.8	50.0	150.0
M8PFOA		111.9	50.0	150.0
M8PFOS		98.8	50.0	150.0
M9-PFNA		110.2	50.0	150.0
MPFBA		101.6	50.0	150.0
MPFDoDA		102.3	50.0	150.0
d3N-MeFOSAA		86.1	50.0	150.0
d5EtFOSAA		96.0	50.0	150.0
MHFPO-DA		114.8	50.0	150.0
d-N-EtFOSA-M		105.5	50.0	150.0
d-N-MeFOSA-M		96.7	50.0	150.0
d7-N-MeFOSE-M		103.4	50.0	150.0
d9-N-EtFOSE-M		112.6	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.06

Sample Tag: OBG-MW-17S-20250605

Collected Date/Time: 06/05/2025 16:40

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 04:11, Matrix: WW, Dilution: 2.05

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		85.1	50.0	150.0
M2-6:2FTSA		91.3	50.0	150.0
M2-8:2FTSA		92.9	50.0	150.0
M2PFTeDA		122.7	12.0	218.0
M3PFBS		89.7	50.0	150.0
M3PFHxS		95.8	50.0	150.0
M4PFHpA		95.8	50.0	150.0
M5PFHxA		93.2	50.0	150.0
M5PFPeA		98.0	50.0	150.0
M6PFDA		95.5	50.0	150.0
M7PFUnDA		102.2	50.0	150.0
M8FOSA		98.2	50.0	150.0
M8PFOA		105.4	50.0	150.0
M8PFOS		88.7	50.0	150.0
M9-PFNA		104.5	50.0	150.0
MPFBA		94.6	50.0	150.0
MPFDoDA		99.1	50.0	150.0
d3N-MeFOSAA		86.6	50.0	150.0
d5EtFOSAA		89.7	50.0	150.0
MHFPO-DA		91.4	50.0	150.0
d-N-EtFOSA-M		97.4	50.0	150.0
d-N-MeFOSA-M		92.2	50.0	150.0
d7-N-MeFOSE-M		95.2	50.0	150.0
d9-N-EtFOSE-M		99.5	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.07

Sample Tag: OBG-MW-26R-20250606

Collected Date/Time: 06/06/2025 09:32

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 04:31, Matrix: WW, Dilution: 2.1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		85.0	50.0	150.0
M2-6:2FTSA		84.7	50.0	150.0
M2-8:2FTSA		107.9	50.0	150.0
M2PFTeDA		109.0	12.0	218.0
M3PFBS		88.4	50.0	150.0
M3PFHxS		100.2	50.0	150.0
M4PFHpA		104.3	50.0	150.0
M5PFHxA		94.0	50.0	150.0
M5PFPeA		92.9	50.0	150.0
M6PFDA		95.2	50.0	150.0
M7PFUnDA		98.8	50.0	150.0
M8FOSA		96.0	50.0	150.0
M8PFOA		98.4	50.0	150.0
M8PFOS		95.8	50.0	150.0
M9-PFNA		95.9	50.0	150.0
MPFBA		90.7	50.0	150.0
MPFDoDA		93.3	50.0	150.0
d3N-MeFOSAA		87.4	50.0	150.0
d5EtFOSAA		89.5	50.0	150.0
MHFPO-DA		106.7	50.0	150.0
d-N-EtFOSA-M		88.8	50.0	150.0
d-N-MeFOSA-M		90.0	50.0	150.0
d7-N-MeFOSE-M		93.1	50.0	150.0
d9-N-EtFOSE-M		102.2	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.08

Sample Tag: OBG-MW-27R-20250606

Collected Date/Time: 06/06/2025 11:24

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 04:51, Matrix: WW, Dilution: 2.18

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		90.5	50.0	150.0
M2-6:2FTSA		82.5	50.0	150.0
M2-8:2FTSA		85.8	50.0	150.0
M2PFTeDA		108.6	12.0	218.0
M3PFBS		86.8	50.0	150.0
M3PFHxS		103.5	50.0	150.0
M4PFHpA		98.9	50.0	150.0
M5PFHxA		91.9	50.0	150.0
M5PFPeA		92.5	50.0	150.0
M6PFDA		101.0	50.0	150.0
M7PFUnDA		96.1	50.0	150.0
M8FOSA		95.7	50.0	150.0
M8PFOA		100.1	50.0	150.0
M8PFOS		91.8	50.0	150.0
M9-PFNA		90.2	50.0	150.0
MPFBA		93.5	50.0	150.0
MPFDoDA		92.7	50.0	150.0
d3N-MeFOSAA		74.5	50.0	150.0
d5EtFOSAA		93.8	50.0	150.0
MHFPO-DA		95.4	50.0	150.0
d-N-EtFOSA-M		105.8	50.0	150.0
d-N-MeFOSA-M		97.5	50.0	150.0
d7-N-MeFOSE-M		95.0	50.0	150.0
d9-N-EtFOSE-M		105.7	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.09

Sample Tag: MW-DUP-3-20250606

Collected Date/Time: 06/06/2025 00:01

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 05:11, Matrix: WW, Dilution: 2.09

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		102.3	50.0	150.0
M2-6:2FTSA		105.5	50.0	150.0
M2-8:2FTSA		120.7	50.0	150.0
M2PFTeDA		109.5	12.0	218.0
M3PFBS		107.6	50.0	150.0
M3PFHxS		107.2	50.0	150.0
M4PFHpA		115.7	50.0	150.0
M5PFHxA		102.1	50.0	150.0
M5PFPeA		109.9	50.0	150.0
M6PFDA		112.4	50.0	150.0
M7PFUnDA		112.2	50.0	150.0
M8FOSA		107.7	50.0	150.0
M8PFOA		120.8	50.0	150.0
M8PFOS		104.5	50.0	150.0
M9-PFNA		113.8	50.0	150.0
MPFBA		102.3	50.0	150.0
MPFDoDA		105.0	50.0	150.0
d3N-MeFOSAA		105.2	50.0	150.0
d5EtFOSAA		109.3	50.0	150.0
MHFPO-DA		122.9	50.0	150.0
d-N-EtFOSA-M		98.2	50.0	150.0
d-N-MeFOSA-M		102.2	50.0	150.0
d7-N-MeFOSE-M		110.6	50.0	150.0
d9-N-EtFOSE-M		116.4	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.10

Sample Tag: OBG-MW-29-20250606

Collected Date/Time: 06/06/2025 12:42

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 05:31, Matrix: WW, Dilution: 2.07

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		92.2	50.0	150.0
M2-6:2FTSA		95.1	50.0	150.0
M2-8:2FTSA		117.9	50.0	150.0
M2PFTeDA		94.6	12.0	218.0
M3PFBS		95.9	50.0	150.0
M3PFHxS		97.2	50.0	150.0
M4PFHpA		100.1	50.0	150.0
M5PFHxA		97.5	50.0	150.0
M5PFPeA		98.8	50.0	150.0
M6PFDA		105.0	50.0	150.0
M7PFUnDA		101.7	50.0	150.0
M8FOSA		100.0	50.0	150.0
M8PFOA		113.5	50.0	150.0
M8PFOS		108.3	50.0	150.0
M9-PFNA		102.6	50.0	150.0
MPFBA		97.2	50.0	150.0
MPFDoDA		91.5	50.0	150.0
d3N-MeFOSAA		86.6	50.0	150.0
d5EtFOSAA		99.7	50.0	150.0
MHFPO-DA		116.3	50.0	150.0
d-N-EtFOSA-M		86.7	50.0	150.0
d-N-MeFOSA-M		89.0	50.0	150.0
d7-N-MeFOSE-M		96.8	50.0	150.0
d9-N-EtFOSE-M		101.7	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.11

Sample Tag: B-9-20250606

Collected Date/Time: 06/06/2025 12:16

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 05:51, Matrix: WW, Dilution: 2.04

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		109.8	50.0	150.0
M2-6:2FTSA		94.0	50.0	150.0
M2-8:2FTSA		124.3	50.0	150.0
M2PFTeDA		100.2	12.0	218.0
M3PFBS		99.4	50.0	150.0
M3PFHxS		100.9	50.0	150.0
M4PFHpA		117.5	50.0	150.0
M5PFHxA		105.1	50.0	150.0
M5PFPeA		110.3	50.0	150.0
M6PFDA		100.1	50.0	150.0
M7PFUnDA		112.1	50.0	150.0
M8FOSA		105.2	50.0	150.0
M8PFOA		106.3	50.0	150.0
M8PFOS		99.3	50.0	150.0
M9-PFNA		113.5	50.0	150.0
MPFBA		103.5	50.0	150.0
MPFDoDA		100.7	50.0	150.0
d3N-MeFOSAA		96.1	50.0	150.0
d5EtFOSAA		104.8	50.0	150.0
MHFPO-DA		115.0	50.0	150.0
d-N-EtFOSA-M		101.8	50.0	150.0
d-N-MeFOSA-M		100.6	50.0	150.0
d7-N-MeFOSE-M		100.8	50.0	150.0
d9-N-EtFOSE-M		113.7	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.12

Sample Tag: B-7-20250606

Collected Date/Time: 06/06/2025 11:00

Matrix: Groundwater

COC Reference: 57053

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 06:11, Matrix: WW, Dilution: 2

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		112.2	50.0	150.0
M2-6:2FTSA		106.4	50.0	150.0
M2-8:2FTSA		117.0	50.0	150.0
M2PFTeDA		100.9	12.0	218.0
M3PFBS		98.3	50.0	150.0
M3PFHxS		109.4	50.0	150.0
M4PFHpA		107.7	50.0	150.0
M5PFHxA		100.6	50.0	150.0
M5PFPeA		104.7	50.0	150.0
M6PFDA		107.2	50.0	150.0
M7PFUnDA		108.2	50.0	150.0
M8FOSA		104.2	50.0	150.0
M8PFOA		122.2	50.0	150.0
M8PFOS		103.3	50.0	150.0
M9-PFNA		112.0	50.0	150.0
MPFBA		105.5	50.0	150.0
MPFDoDA		98.4	50.0	150.0
d3N-MeFOSAA		96.1	50.0	150.0
d5EtFOSAA		110.6	50.0	150.0
MHFPO-DA		109.2	50.0	150.0
d-N-EtFOSA-M		98.4	50.0	150.0
d-N-MeFOSA-M		97.1	50.0	150.0
d7-N-MeFOSE-M		100.9	50.0	150.0
d9-N-EtFOSE-M		112.2	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.13

Sample Tag: B-27D-20250604

Collected Date/Time: 06/04/2025 15:12

Matrix: Groundwater

COC Reference: 57837

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 06:31, Matrix: WW, Dilution: 2.01

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		104.3	50.0	150.0
M2-6:2FTSA		108.0	50.0	150.0
M2-8:2FTSA		121.8	50.0	150.0
M2PFTeDA		94.4	12.0	218.0
M3PFBS		112.2	50.0	150.0
M3PFHxS		111.4	50.0	150.0
M4PFHpA		111.1	50.0	150.0
M5PFHxA		105.5	50.0	150.0
M5PFPeA		107.6	50.0	150.0
M6PFDA		109.6	50.0	150.0
M7PFUnDA		111.5	50.0	150.0
M8FOSA		102.8	50.0	150.0
M8PFOA		119.5	50.0	150.0
M8PFOS		102.2	50.0	150.0
M9-PFNA		116.5	50.0	150.0
MPFBA		106.7	50.0	150.0
MPFDoDA		94.3	50.0	150.0
d3N-MeFOSAA		92.0	50.0	150.0
d5EtFOSAA		110.4	50.0	150.0
MHFPO-DA		113.8	50.0	150.0
d-N-EtFOSA-M		93.2	50.0	150.0
d-N-MeFOSA-M		96.8	50.0	150.0
d7-N-MeFOSE-M		107.2	50.0	150.0
d9-N-EtFOSE-M		111.3	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75409.14

Sample Tag: FieldBlank-20250606

Collected Date/Time: 06/06/2025 00:01

Matrix: Liquid

COC Reference: 57837

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250610W2, Run Date: 06/11/2025 06:51, Matrix: WW, Dilution: 2.01

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		102.6	50.0	150.0
M2-6:2FTSA		100.3	50.0	150.0
M2-8:2FTSA		110.3	50.0	150.0
M2PFTeDA		115.5	12.0	218.0
M3PFBS		96.1	50.0	150.0
M3PFHxS		103.6	50.0	150.0
M4PFHpA		103.3	50.0	150.0
M5PFHxA		106.4	50.0	150.0
M5PFPeA		104.9	50.0	150.0
M6PFDA		110.3	50.0	150.0
M7PFUnDA		107.7	50.0	150.0
M8FOSA		100.6	50.0	150.0
M8PFOA		112.6	50.0	150.0
M8PFOS		111.8	50.0	150.0
M9-PFNA		100.4	50.0	150.0
MPFBA		103.8	50.0	150.0
MPFDoDA		96.5	50.0	150.0
d3N-MeFOSAA		93.3	50.0	150.0
d5EtFOSAA		100.6	50.0	150.0
MHFPO-DA		107.9	50.0	150.0
d-N-EtFOSA-M		102.2	50.0	150.0
d-N-MeFOSA-M		107.6	50.0	150.0
d7-N-MeFOSE-M		94.5	50.0	150.0
d9-N-EtFOSE-M		108.6	50.0	150.0

QC Report - Internal Standards per QC Sample

Organics - Volatiles, Prep Batch ID: PF250610W2

QC Types: BLK/LCS/LCSD/MS/DUP

Blank (BLK)

Lab Sample ID: AK250610W2.BLK250610B

Run in Batch: AK250610W2, Run Date: 06/11/2025 01:31, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		100.2	50.0	150.0
M2-6:2FTSA		105.3	50.0	150.0
M2-8:2FTSA		108.6	50.0	150.0
M2PFTeDA		95.7	12.0	218.0
M3PFBS		97.7	50.0	150.0
M3PFHxS		104.2	50.0	150.0
M4PFHpA		102.3	50.0	150.0
M5PFHxA		98.5	50.0	150.0
M5PFPeA		103.7	50.0	150.0
M6PFDA		104.5	50.0	150.0
M7PFUnDA		108.2	50.0	150.0
M8FOSA		105.4	50.0	150.0
M8PFOA		103.3	50.0	150.0
M8PFOS		99.2	50.0	150.0
M9-PFNA		101.5	50.0	150.0
MPFBA		102.1	50.0	150.0
MPFDoDA		92.8	50.0	150.0
d3N-MeFOSAA		79.6	50.0	150.0
d5EtFOSAA		100.3	50.0	150.0
MHFPO-DA		114.3	50.0	150.0
d-N-EtFOSA-M		90.9	50.0	150.0
d-N-MeFOSA-M		99.6	50.0	150.0
d7-N-MeFOSE-M		95.2	50.0	150.0
d9-N-EtFOSE-M		107.8	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample (LCS)

Lab Sample ID: AK250610W2.LCS250610B

Run in Batch: AK250610W2, Run Date: 06/11/2025 00:51, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		103.3	50.0	150.0
M2-6:2FTSA		102.9	50.0	150.0
M2-8:2FTSA		122.2	50.0	150.0
M2PFTeDA		97.6	12.0	218.0
M3PFBS		97.8	50.0	150.0
M3PFHxS		109.8	50.0	150.0
M4PFHpA		101.9	50.0	150.0
M5PFHxA		100.8	50.0	150.0
M5PFPeA		103.1	50.0	150.0
M6PFDA		110.4	50.0	150.0
M7PFUnDA		110.6	50.0	150.0
M8FOSA		103.4	50.0	150.0
M8PFOA		109.6	50.0	150.0
M8PFOS		105.8	50.0	150.0
M9-PFNA		106.9	50.0	150.0
MPFBA		103.5	50.0	150.0
MPFDoDA		97.7	50.0	150.0
d3N-MeFOSAA		95.2	50.0	150.0
d5EtFOSAA		101.2	50.0	150.0
MHFPO-DA		109.5	50.0	150.0
d-N-EtFOSA-M		93.6	50.0	150.0
d-N-MeFOSA-M		100.3	50.0	150.0
d7-N-MeFOSE-M		100.9	50.0	150.0
d9-N-EtFOSE-M		107.0	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250610W2.LCSD250610B, Parent Sample ID: AK250610W2.LCS250610B

Run in Batch: AK250610W2, Run Date: 06/11/2025 01:11, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		96.8	50.0	150.0
M2-6:2FTSA		99.1	50.0	150.0
M2-8:2FTSA		103.8	50.0	150.0
M2PFTeDA		94.4	12.0	218.0
M3PFBS		100.9	50.0	150.0
M3PFHxS		105.0	50.0	150.0
M4PFHpA		113.3	50.0	150.0
M5PFHxA		105.1	50.0	150.0
M5PFPeA		101.1	50.0	150.0
M6PFDA		110.5	50.0	150.0
M7PFUnDA		107.0	50.0	150.0
M8FOSA		111.7	50.0	150.0
M8PFOA		112.4	50.0	150.0
M8PFOS		107.0	50.0	150.0
M9-PFNA		109.3	50.0	150.0
MPFBA		101.8	50.0	150.0
MPFDoDA		96.5	50.0	150.0
d3N-MeFOSAA		82.9	50.0	150.0
d5EtFOSAA		103.8	50.0	150.0
MHFPO-DA		100.2	50.0	150.0
d-N-EtFOSA-M		105.2	50.0	150.0
d-N-MeFOSA-M		97.9	50.0	150.0
d7-N-MeFOSE-M		106.6	50.0	150.0
d9-N-EtFOSE-M		107.6	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike (MS)

Lab Sample ID: AK250610W2.7540901M, Parent Sample ID: S75409.01

Run in Batch: AK250610W2, Run Date: 06/11/2025 02:11, Prep Date: 06/10/2025, Matrix: WW, Dilution: 2.06

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		95.9	50.0	150.0
M2-6:2FTSA		97.0	50.0	150.0
M2-8:2FTSA		109.9	50.0	150.0
M2PFTeDA		113.8	12.0	218.0
M3PFBS		104.2	50.0	150.0
M3PFHxS		100.2	50.0	150.0
M4PFHpA		105.9	50.0	150.0
M5PFHxA		99.0	50.0	150.0
M5PFPeA		101.9	50.0	150.0
M6PFDA		103.8	50.0	150.0
M7PFUnDA		105.0	50.0	150.0
M8FOSA		98.0	50.0	150.0
M8PFOA		107.4	50.0	150.0
M8PFOS		99.0	50.0	150.0
M9-PFNA		106.9	50.0	150.0
MPFBA		101.7	50.0	150.0
MPFDoDA		96.9	50.0	150.0
d3N-MeFOSAA		86.6	50.0	150.0
d5EtFOSAA		100.8	50.0	150.0
MHFPO-DA		107.7	50.0	150.0
d-N-EtFOSA-M		103.3	50.0	150.0
d-N-MeFOSA-M		99.9	50.0	150.0
d7-N-MeFOSE-M		102.3	50.0	150.0
d9-N-EtFOSE-M		103.2	50.0	150.0

QC Report - Internal Standards per QC Sample

Duplicate (DUP)

Lab Sample ID: AK250610W2.7540902D, Parent Sample ID: S75409.02

Run in Batch: AK250610W2, Run Date: 06/11/2025 02:51, Prep Date: 06/10/2025, Matrix: WW, Dilution: 2.03

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		104.3	50.0	150.0
M2-6:2FTSA		101.5	50.0	150.0
M2-8:2FTSA		112.4	50.0	150.0
M2PFTeDA		118.2	12.0	218.0
M3PFBS		101.5	50.0	150.0
M3PFHxS		100.4	50.0	150.0
M4PFHpA		114.4	50.0	150.0
M5PFHxA		103.9	50.0	150.0
M5PFPeA		107.8	50.0	150.0
M6PFDA		111.9	50.0	150.0
M7PFUnDA		113.7	50.0	150.0
M8FOSA		108.1	50.0	150.0
M8PFOA		112.4	50.0	150.0
M8PFOS		101.9	50.0	150.0
M9-PFNA		106.4	50.0	150.0
MPFBA		109.3	50.0	150.0
MPFDoDA		113.0	50.0	150.0
d3N-MeFOSAA		111.6	50.0	150.0
d5EtFOSAA		107.9	50.0	150.0
MHFPO-DA		108.2	50.0	150.0
d-N-EtFOSA-M		115.2	50.0	150.0
d-N-MeFOSA-M		113.4	50.0	150.0
d7-N-MeFOSE-M		111.3	50.0	150.0
d9-N-EtFOSE-M		112.1	50.0	150.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250610W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/DUP

Blank (BLK)

Lab Sample ID: AK250610W2.BLK250610B

Run in Batch: AK250610W2, Run Date: 06/11/2025 01:31, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
PFBA		ND	10	ng/l
PFMPA		ND	2	ng/l
FPrPA (3:3 FTCA)		ND	10	ng/l
PFPPrS		ND	2	ng/l
PFPeA		ND	4	ng/l
PFMBA		ND	2	ng/l
4:2 FTSA		ND	2	ng/l
NFDHA		ND	2	ng/l
PFHxA		ND	2	ng/l
PFBS		ND	2	ng/l
HFPO-DA		ND	10	ng/l
FPePA (5:3 FTCA)		ND	10	ng/l
PFEESA		ND	2	ng/l
PFFHpA		ND	2	ng/l
PFPeS		ND	2	ng/l
ADONA		ND	2	ng/l
6:2 FTSA		ND	2	ng/l
PFBSA		ND	2	ng/l
PFOA		ND	2	ng/l
PFHxS-BR		ND	2	ng/l
PFHxS		ND	2	ng/l
PFHxS-LN		ND	2	ng/l
FHpPA (7:3 FTCA)		ND	10	ng/l
PFNA		ND	2	ng/l
PFECHS		ND	2	ng/l
8:2 FTSA		ND	2	ng/l
PFFHpS		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
PFDA		ND	2	ng/l
PFOS-BR		ND	2	ng/l
PFOS		ND	2	ng/l
EtFOSAA		ND	4	ng/l
PFOS-LN		ND	2	ng/l
PFHxSA		ND	2	ng/l
PFOuDA		ND	2	ng/l
9CL-PF3ONS		ND	2	ng/l
PFNS		ND	2	ng/l
PFDODA		ND	2	ng/l
PFDS		ND	2	ng/l
PFTTrDA		ND	2	ng/l
11CL-PF3OUdS		ND	2	ng/l
FOSA		ND	2	ng/l
PFTTeDA		ND	4	ng/l
PFDOS		ND	6	ng/l
NMeFOSE		ND	4	ng/l
NMeFOSAM		ND	2	ng/l

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250610W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/DUP

Blank (BLK) (continued)

Lab Sample ID: AK250610W2.BLK250610B

Run in Batch: AK250610W2, Run Date: 06/11/2025 01:31, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
NEtFOSE		ND	4	ng/l
NEtFOSAM		ND	2	ng/l

Laboratory Control Sample (LCS)

Lab Sample ID: AK250610W2.LCS250610B

Run in Batch: AK250610W2, Run Date: 06/11/2025 00:51, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		104.0	70.0	130.0
PFMPA		110.0	70.0	130.0
FPrPA (3:3 FTCA)		96.6	70.0	130.0
PFPPrS		100.2	70.0	130.0
PFPeA		102.8	70.0	130.0
PFMBA		114.8	70.0	130.0
4:2 FTSA		94.4	70.0	130.0
NFDHA		102.8	70.0	130.0
PFHxA		98.4	70.0	130.0
PFBS		101.4	70.0	130.0
HFPO-DA		103.0	70.0	130.0
FPePA (5:3 FTCA)		93.8	70.0	130.0
PFEESA		88.6	70.0	130.0
PFHpA		109.2	70.0	130.0
PFPeS		105.6	70.0	130.0
ADONA		110.4	70.0	130.0
6:2 FTSA		104.8	70.0	130.0
PFBSA		81.2	70.0	130.0
PFOA		94.0	70.0	130.0
PFHxS		98.8	70.0	130.0
FHpPA (7:3 FTCA)		105.6	70.0	130.0
PFNA		95.8	70.0	130.0
PFECHS		89.8	70.0	130.0
8:2 FTSA		97.8	70.0	130.0
PFHpS		90.0	70.0	130.0
N-MeFOSAA		102.2	70.0	130.0
PFDA		99.6	70.0	130.0
PFOS		117.4	70.0	130.0
EtFOSAA		101.6	70.0	130.0
PFHxSA		98.2	70.0	130.0
PFUnDA		99.6	70.0	130.0
9CL-PF3ONS		118.2	70.0	130.0
PFNS		112.2	70.0	130.0
PFDoDA		109.2	70.0	130.0
PFDS		125.2	70.0	130.0
PFTTrDA		108.8	70.0	130.0
11CL-PF3OUdS		106.2	70.0	130.0
FOSA		102.6	70.0	130.0
PFTeDA		109.6	70.0	130.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250610W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/DUP

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK250610W2.LCS250610B

Run in Batch: AK250610W2, Run Date: 06/11/2025 00:51, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFDOS	*	134.0	70.0	130.0
NMeFOSE		113.0	70.0	130.0
NMeFOSAM		103.0	70.0	130.0
NEtFOSE		107.2	70.0	130.0
NEtFOSAM		100.8	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250610W2.LCSD250610B, Parent Sample ID: AK250610W2.LCS250610B

Run in Batch: AK250610W2, Run Date: 06/11/2025 01:11, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		103.0	70.0	130.0	1.0	30.0
PFMPA		105.2	70.0	130.0	4.5	30.0
FPrPA (3:3 FTCA)		92.0	70.0	130.0	4.9	30.0
PFPPrS		97.4	70.0	130.0	2.8	30.0
PFPeA		98.8	70.0	130.0	4.0	30.0
PFMBA		114.2	70.0	130.0	0.5	30.0
4:2 FTSA		98.4	70.0	130.0	4.1	30.0
NFDHA		99.4	70.0	130.0	3.4	30.0
PFHxA		98.0	70.0	130.0	0.4	30.0
PFBS		91.2	70.0	130.0	10.6	30.0
HFPO-DA		110.0	70.0	130.0	6.6	30.0
FPePA (5:3 FTCA)		83.6	70.0	130.0	11.5	30.0
PFEESA		78.6	70.0	130.0	12.0	30.0
PFHpA		92.2	70.0	130.0	16.9	30.0
PFPeS		101.4	70.0	130.0	4.1	30.0
ADONA		96.8	70.0	130.0	13.1	30.0
6:2 FTSA		103.2	70.0	130.0	1.5	30.0
PFBSA		81.2	70.0	130.0	0.0	30.0
PFOA		90.8	70.0	130.0	3.5	30.0
PFHxS		103.6	70.0	130.0	4.7	30.0
FHpPA (7:3 FTCA)		105.0	70.0	130.0	0.6	30.0
PFNA		95.8	70.0	130.0	0.0	30.0
PFECHS		95.0	70.0	130.0	5.6	30.0
8:2 FTSA		122.0	70.0	130.0	22.0	30.0
PFHpS		94.6	70.0	130.0	5.0	30.0
N-MeFOSAA		107.8	70.0	130.0	5.3	30.0
PFDA		105.6	70.0	130.0	5.8	30.0
PFOS		109.4	70.0	130.0	7.1	30.0
EtFOSAA		85.2	70.0	130.0	17.6	30.0
PFHxSA		96.2	70.0	130.0	2.1	30.0
PFUnDA		98.6	70.0	130.0	1.0	30.0
9CL-PF3ONS		98.2	70.0	130.0	18.5	30.0
PFNS		105.6	70.0	130.0	6.1	30.0
PFDODA		108.0	70.0	130.0	1.1	30.0
PFDS		116.6	70.0	130.0	7.1	30.0
PFTTrDA		112.2	70.0	130.0	3.1	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250610W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/DUP

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK250610W2.LCSD250610B, Parent Sample ID: AK250610W2.LCS250610B

Run in Batch: AK250610W2, Run Date: 06/11/2025 01:11, Prep Date: 06/10/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
11CL-PF3OUdS		110.4	70.0	130.0	3.9	30.0
FOSA		90.0	70.0	130.0	13.1	30.0
PFTeDA		111.8	70.0	130.0	2.0	30.0
PFDOS	*	133.8	70.0	130.0	0.1	30.0
NMeFOSE		97.4	70.0	130.0	14.8	30.0
NMeFOSAM		112.4	70.0	130.0	8.7	30.0
NEtFOSE		104.2	70.0	130.0	2.8	30.0
NEtFOSAM		93.2	70.0	130.0	7.8	30.0

Matrix Spike (MS)

Lab Sample ID: AK250610W2.7540901M, Parent Sample ID: S75409.01

Run in Batch: AK250610W2, Run Date: 06/11/2025 02:11, Prep Date: 06/10/2025, Matrix: WW, Dilution: 2.06

Analyte	Flags	% Rec	LCL	UCL
PFBA		104.8	70.0	130.0
PFPeA		97.1	70.0	130.0
4:2 FTSA		106.8	70.0	130.0
PFHxA		95.8	70.0	130.0
PFBS		94.2	70.0	130.0
PFHpA		97.1	70.0	130.0
PFPeS		94.2	70.0	130.0
6:2 FTSA		94.2	70.0	130.0
PFOA		96.1	70.0	130.0
PFHxS		104.2	70.0	130.0
PFNA		96.1	70.0	130.0
8:2 FTSA		126.2	70.0	130.0
PFHpS		91.3	70.0	130.0
PFDA		106.8	70.0	130.0
N-MeFOSAA		106.8	70.0	130.0
EtFOSAA		87.4	70.0	130.0
PFOS		116.5	70.0	130.0
PFUnDA		106.8	70.0	130.0
PFNS		116.5	70.0	130.0
PFDoDA		106.8	70.0	130.0
PFDS	*	135.9	70.0	130.0
PFTTrDA		126.2	70.0	130.0
FOSA		106.8	70.0	130.0
PFTeDA		106.8	70.0	130.0
11CL-PF3OUdS		116.5	70.0	130.0
9CL-PF3ONS		116.5	70.0	130.0
ADONA		116.5	70.0	130.0
HFPO-DA		97.1	70.0	130.0
FHpPA (7:3 FTCA)		106.8	70.0	130.0
FPePA (5:3 FTCA)		90.3	70.0	130.0
FPrPA (3:3 FTCA)		92.2	70.0	130.0
PFBSA		85.4	70.0	130.0
PFECHS	*	135.9	70.0	130.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250610W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/DUP

Matrix Spike (MS) (continued)

Lab Sample ID: AK250610W2.7540901M, Parent Sample ID: S75409.01

Run in Batch: AK250610W2, Run Date: 06/11/2025 02:11, Prep Date: 06/10/2025, Matrix: WW, Dilution: 2.06

Analyte	Flags	% Rec	LCL	UCL
PFHxSA		97.1	70.0	130.0

Duplicate (DUP)

Lab Sample ID: AK250610W2.7540902D, Parent Sample ID: S75409.02

Run in Batch: AK250610W2, Run Date: 06/11/2025 02:51, Prep Date: 06/10/2025, Matrix: WW, Dilution: 2.03

Analyte	Flags	RPD	RPD CL
PFBA	J	7.4	30.0
PFPeA		NC	30.0
4:2 FTSA		NC	30.0
PFHxA		NC	30.0
PFBS	J	22.2	30.0
PFHpA		NC	30.0
PFPeS		0.0	30.0
6:2 FTSA		NC	30.0
PFOA	J	12.6	30.0
PFHxS		0.0	30.0
PFHxS-LN		9.5	30.0
PFHxS-BR		9.1	30.0
PFNA		NC	30.0
8:2 FTSA		NC	30.0
PFHpS		9.0	30.0
PFDA		NC	30.0
N-MeFOSAA		NC	30.0
EtFOSAA		NC	30.0
PFOS		5.7	30.0
PFOS-LN		10.0	30.0
PFOS-BR		7.4	30.0
PFUnDA		NC	30.0
PFNS		NC	30.0
PFDaDA		NC	30.0
PFDS		NC	30.0
PFTTrDA		NC	30.0
FOSA		NC	30.0
PFTeDA		NC	30.0
11CL-PF3OUdS		NC	30.0
9CL-PF3ONS		NC	30.0
ADONA		NC	30.0
HFPO-DA		NC	30.0
FHpPA (7:3 FTCA)		NC	30.0
FPePA (5:3 FTCA)		NC	30.0
FPrPA (3:3 FTCA)		NC	30.0
PFBSA		NC	30.0
PFECHS		1.6	30.0
PFHxSA		NC	30.0



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57053

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <i>Clifford Vantz / Kevin Schneider</i>	
COMPANY <i>Ramboll</i>	
ADDRESS <i>2090 Commonwealth Blvd</i>	
CITY <i>Ann Arbor</i>	STATE <i>MI</i>
PHONE NO. <i>313-333-0211</i>	ZIP CODE <i>48105</i>
FAX NO. <i>—</i>	P.O. NO. <i>194001180 Task 37</i>
E-MAIL ADDRESS <i>clifford.vantz@ramboll.com kevin.schneider@ramboll.com</i>	
QUOTE NO. <i>—</i>	

CONTACT NAME <i>X SAME</i>	
COMPANY	
ADDRESS	
CITY	STATE
PHONE NO.	ZIP CODE
FAX NO.	P.O. NO.

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME <i>RACER Coldwater Rd</i>		SAMPLER(S) - PLEASE PRINT/SIGN NAME <i>Savannah Thielbar</i>														SPECIAL INSTRUCTIONS/NOTES																					
TURNAROUND TIME REQUIRED		☐ 24 HR		☐ 48 HR		☐ 72 HR		☒ STANDARD		☐ OTHER																											
DELIVERABLES REQUIRED		☐ STANDARD		☒ LEVEL II		☐ LEVEL III		☐ OTHER																													
MATRIX CODE:		GW=GROUNDWATER SL=SLUDGE		WW=WASTEWATER O=OIL		S=SOIL A=AIR		L=LIQUID W=WASTE		SD=SOLID M=MISC		# Containers & Preservatives																									
MERIT LAB NO.		YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION		MATRIX		# OF BOTTLES		NONE		HCL		HNO3		H2SO4		NaOH		MeOH		OTHER															
DATE		TIME																																			
<i>754/09/01</i>		<i>6/4/25</i>		<i>1448</i>		<i>OBH-MW-21-20250604</i>		<i>GW</i>		<i>3</i>		<i>X</i>																								<i>low level reporting with estimated values</i>	
<i>-02</i>		<i>6/4/25</i>		<i>1624</i>		<i>OBH-MW-125-20250604</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.03</i>		<i>6/5/25</i>		<i>1402</i>		<i>OBH-MW-185-20250605</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.04</i>		<i>6/5/25</i>		<i>—</i>		<i>MW-DVP-2-20250605</i>		<i>GW</i>		<i>3</i>		<i>X</i>																								<i>34 PFAS List</i>	
<i>.05</i>		<i>6/5/25</i>		<i>1441</i>		<i>B-19AR-20250605</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.06</i>		<i>6/5/25</i>		<i>1640</i>		<i>OBH-MW-75-20250605</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.07</i>		<i>6/6/25</i>		<i>0932</i>		<i>OBH-MW-26R-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.08</i>		<i>6/6/25</i>		<i>1124</i>		<i>OBH-MW-27R-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.09</i>		<i>6/6/25</i>		<i>—</i>		<i>MW-DVP-3-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.10</i>		<i>6/6/25</i>		<i>1242</i>		<i>SE OBH-MW-29-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.11</i>		<i>6/6/25</i>		<i>1216</i>		<i>B-9-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									
<i>.12</i>		<i>6/6/25</i>		<i>1100</i>		<i>B-7-20250606</i>		<i>GW</i>		<i>3</i>		<i>X</i>																									

RELINQUISHED BY: <i>Savannah Thielbar</i>	DATE <i>6/6/25</i>	TIME <i>1330</i>	RELINQUISHED BY:	DATE	TIME
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RECEIVED BY: <i>[Signature]</i>	DATE <i>6/6/25</i>	TIME <i>1724</i>	RECEIVED BY:	DATE	TIME
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RELINQUISHED BY: <i>[Signature]</i>	DATE <i>6/6/25</i>	TIME <i>1520</i>	RELINQUISHED BY:	DATE	TIME
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RECEIVED BY: <i>[Signature]</i>	DATE <i>6/6/25</i>	TIME <i>1520</i>	RECEIVED BY:	DATE	TIME
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES:	TEMP. ON ARRIVAL	
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS			

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE

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C.O.C. PAGE # 2 OF 2

57837

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <u>Clifford Yantz / Kevin Schneider</u>			
COMPANY <u>Ramboll</u>			
ADDRESS <u>2090 Common Wealth Blvd.</u>			
CITY <u>Ann Arbor</u>	STATE <u>MI</u>	ZIP CODE <u>48105</u>	
PHONE NO. <u>313-333-0211</u>	FAX NO. <u>—</u>	P.O. NO. <u>1940011180 Task 37</u>	QUOTE NO. <u>—</u>
E-MAIL ADDRESS <u>clifford.yantz@ramboll.com kevin.schneider@ramboll.com</u>			

CONTACT NAME <u>SAME</u>		
COMPANY		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME <u>RACER Coldwater Rd</u>		SAMPLER(S) - PLEASE PRINT/SIGN NAME <u>Savannah Thielbar</u>		SPECIAL INSTRUCTIONS/NOTES <u>low level reporting with estimated values</u> <u>34 PFAS list</u>											
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER															
DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER															
MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC	# Containers & Preservatives									
MERIT LAB NO.	YEAR DATE TIME		SAMPLE TAG IDENTIFICATION-DESCRIPTION		HNO ₃		H ₂ SO ₄		NaOH		MeOH		OTHER		
<u>75409.13</u>	<u>6/4/25 1512</u>		<u>B-27D-20250604</u>		<u>GW 3</u>		<u>X</u>						<u>X</u>		
<u>.14</u>	<u>6/6/25</u>		<u>Field Blank-20250606</u>		<u>L 2</u>		<u>X</u>						<u>X</u>		
<u>ST</u>															
<u>ST</u>															

RELINQUISHED BY: <u>Savannah Thielbar</u>	DATE <u>6-6-25</u>	TIME <u>1330</u>	RELINQUISHED BY:	DATE	TIME
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RECEIVED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE/ORGANIZATION	<u>6/6/25 13:20</u>		SIGNATURE/ORGANIZATION		
RELINQUISHED BY:	DATE	TIME	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SIGNATURE/ORGANIZATION	<u>6/6/25 13:20</u>		SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
RECEIVED BY:	DATE	TIME	NOTES: TEMP. ON ARRIVAL <u>3.1</u>		
SIGNATURE/ORGANIZATION	<u>6/6/25 13:20</u>				

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE



Analytical Laboratory Report

Report ID: S75525.01(01)
Generated on 06/25/2025

Report to

Attention: Clifford Yantz
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Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:
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Additional Contacts: Kevin Schneider, Nicole Pitkorchemny

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Contacts for report questions:
John Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S75525.01-S75525.08
Project: RACER Coldwater Rd
Collected Date(s): 06/09/2025 - 06/10/2025
Submitted Date/Time: 06/10/2025 15:30
Sampled by: Savannah Thielbar
P.O. #: 1940011180 TASK37

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Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

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Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
o	Associated EIS outside of control limits
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
q	Qualifier ion ratio outside of control limits
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



Analytical Laboratory Report

Method Summary

Method	Version
ASTMD7979-19M	ASTM Method D7979 - 19 Modified (Isotopic Dilution)

Parameter Summary

Parameter	Synonym	Cas #
PFBA	Perfluorobutanoic Acid	375-22-4
PFPeA	Perfluoropentanoic Acid	2706-90-3
4:2 FTSA	4:2 Fluorotelomer Sulfonic Acid	757124-72-4
PFHxA	Perfluorohexanoic Acid	307-24-4
PFBS	Perfluorobutane sulfonic Acid	375-73-5
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFPeS	Perfluoropentane Sulfonic Acid	2706-91-4
6:2 FTSA	6:2 Fluorotelomer Sulfonic Acid	27619-97-2
PFOA	Perfluorooctanoic Acid	335-67-1
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFHxS-LN	Perfluorohexane Sulfonic Acid - LN	355-46-4-LN
PFHxS-BR	Perfluorohexane Sulfonic Acid - BR	355-46-4-BR
PFNA	Perfluorononanoic Acid	375-95-1
8:2 FTSA	8:2 Fluorotelomer Sulfonic Acid	39108-34-4
PFHpS	Perfluoroheptane Sulfonic Acid	375-92-8
PFDA	Perfluorodecanoic Acid	335-76-2
N-MeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9
EtFOSAA	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	2991-50-6
PFOS	Perfluorooctane Sulfonic Acid	1763-23-1
PFOS-LN	Perfluorooctane Sulfonic Acid - LN	1763-23-1-LN
PFOS-BR	Perfluorooctane Sulfonic Acid - BR	1763-23-1-BR
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFNS	Perfluorononane Sulfonic Acid	68259-12-1
PFDoDA	Perfluorododecanoic Acid	307-55-1
PFDS	Perfluorodecane Sulfonic Acid	335-77-3
PFTTrDA	Perfluorotridecanoic Acid	72629-94-8
FOSA	Perfluorooctane Sulfonamide	754-91-6
PFTeDA	Perfluorotetradecanoic Acid	376-06-7
11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9
9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid	756426-58-1
ADONA	4,8-dioxa-3H-perfluorononanoic acid	919005-14-4
HFPO-DA	Hexafluoropropylene oxide dimer	13252-13-6
FHpPA (7:3 FTCA)	3-Perfluoroheptyl propanoic acid	812-70-4
FPePA (5:3 FTCA)	3-Perfluoropentyl propanoic acid	914637-49-3
FPrPA (3:3 FTCA)	3-Perfluoropropyl propanoic acid	356-02-5
PFBSA	Perfluorobutanesulfonamide	30334-69-1
PFECHS	Perfluoro-4-ethylcyclohexanesulfonate	80988-54-1
PFHxSA	Perfluorohexanesulfonamide	41997-13-1



Analytical Laboratory Report

Sample Summary (8 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S75525.01	OBG-MW-11-20250609	Groundwater	06/09/25 11:13
S75525.02	OBG-MW-23-20250609	Groundwater	06/09/25 11:35
S75525.03	OBG-MW-28-20250609	Groundwater	06/09/25 13:34
S75525.04	OBG-MW-22-20250609	Groundwater	06/09/25 14:23
S75525.05	OBG-MW-24-20250610	Groundwater	06/10/25 10:26
S75525.06	OBG-MW-9-20250610	Groundwater	06/10/25 12:36
S75525.07	OBG-MW-13-20250610	Groundwater	06/10/25 11:46
S75525.08	Trip Blank-20250610	Liquid	06/10/25 00:01



Analytical Laboratory Report

Lab Sample ID: S75525.01

Sample Tag: OBG-MW-11-20250609

Collected Date/Time: 06/09/2025 11:13

Matrix: Groundwater

COC Reference: 57839

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.90/6.48/11	ASTMD7979-19M	06/11/25 12:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 21:25, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	17	10	2.0	ng/L	2.03	375-22-4	
PFPeA*	5.5	4.1	1.2	ng/L	2.03	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.03	757124-72-4	
PFHxA*	15	2.0	1.2	ng/L	2.03	307-24-4	
PFBS*	84	2.0	0.61	ng/L	2.03	375-73-5	
PFHpA*	6.4	2.0	0.81	ng/L	2.03	375-85-9	
PFPeS*	110	2.0	1.8	ng/L	2.03	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.03	27619-97-2	
PFOA*	31	2.0	0.81	ng/L	2.03	335-67-1	
PFHxS*	380	2.0	1.0	ng/L	2.03	355-46-4	
PFHxS-LN*	330	2.0	1.0	ng/L	2.03	355-46-4-LN	
PFHxS-BR*	60	2.0	1.0	ng/L	2.03	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.03	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.03	39108-34-4	
PFHpS*	11	2.0	0.81	ng/L	2.03	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.03	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.03	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.03	2991-50-6	
PFOS*	130	2.0	0.81	ng/L	2.03	1763-23-1	
PFOS-LN*	23	2.0	0.81	ng/L	2.03	1763-23-1-LN	
PFOS-BR*	100	2.0	0.81	ng/L	2.03	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.81	ng/L	2.03	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.03	68259-12-1	
PFDODA*	Not detected	2.0	0.61	ng/L	2.03	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.03	335-77-3	
PFTTrDA*	Not detected	2.0	0.81	ng/L	2.03	72629-94-8	
FOSA*	Not detected	2.0	0.81	ng/L	2.03	754-91-6	
PFTeDA*	Not detected	4.1	0.61	ng/L	2.03	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.03	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.03	756426-58-1	
ADONA*	Not detected	2.0	0.61	ng/L	2.03	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.03	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.1	ng/L	2.03	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.1	ng/L	2.03	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.1	ng/L	2.03	356-02-5	
PFBSA*	Not detected	2.0	0.61	ng/L	2.03	30334-69-1	
PFECHS*	2,400	2.0	0.81	ng/L	2.03	80988-54-1	



Analytical Laboratory Report

Lab Sample ID: S75525.01 (continued)
Sample Tag: OBG-MW-11-20250609

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 21:25, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.0	0.61	ng/L	2.03	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75525.02

Sample Tag: OBG-MW-23-20250609

Collected Date/Time: 06/09/2025 11:35

Matrix: Groundwater

COC Reference: 57839

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.10/6.48/11	ASTMD7979-19M	06/11/25 12:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 21:45, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.8	2.0	ng/L	1.96	375-22-4	
PFPeA*	Not detected	3.9	1.2	ng/L	1.96	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.96	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	1.96	307-24-4	
PFBS*	Not detected	2.0	0.59	ng/L	1.96	375-73-5	
PFHpA*	Not detected	2.0	0.78	ng/L	1.96	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	1.96	2706-91-4	
6:2 FTSA*	Not detected	2.0	0.98	ng/L	1.96	27619-97-2	
PFOA*	Not detected	2.0	0.78	ng/L	1.96	335-67-1	
PFHxS*	Not detected	2.0	0.98	ng/L	1.96	355-46-4	
PFHxS-LN*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0	0.98	ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0	0.78	ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.98	ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9	0.98	ng/L	1.96	2991-50-6	
PFOS*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1	
PFOS-LN*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.78	ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0	0.98	ng/L	1.96	68259-12-1	
PFDODA*	Not detected	2.0	0.59	ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0	0.98	ng/L	1.96	335-77-3	
PFTTrDA*	Not detected	2.0	0.78	ng/L	1.96	72629-94-8	
FOSA*	Not detected	2.0	0.78	ng/L	1.96	754-91-6	
PFTeDA*	Not detected	3.9	0.59	ng/L	1.96	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.98	ng/L	1.96	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.98	ng/L	1.96	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.96	919005-14-4	
HFPO-DA*	Not detected	9.8	2.0	ng/L	1.96	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.8	7.8	ng/L	1.96	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.96	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.96	356-02-5	
PFBSA*	Not detected	2.0	0.59	ng/L	1.96	30334-69-1	
PFECHS*	Not detected	2.0	0.78	ng/L	1.96	80988-54-1	



Analytical Laboratory Report

Lab Sample ID: S75525.02 (continued)

Sample Tag: OBG-MW-23-20250609

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 21:45, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.0	0.59	ng/L	1.96	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75525.03

Sample Tag: OBG-MW-28-20250609

Collected Date/Time: 06/09/2025 13:34

Matrix: Groundwater

COC Reference: 57839

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.69/6.48/11	ASTMD7979-19M	06/11/25 12:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 22:05, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	5.3	11	2.1	ng/L	2.11	375-22-4	J
PFPeA*	Not detected	4.2	1.3	ng/L	2.11	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.11	757124-72-4	
PFHxA*	Not detected	2.1	1.3	ng/L	2.11	307-24-4	
PFBS*	2.4	2.1	0.63	ng/L	2.11	375-73-5	
PFHpA*	1.4	2.1	0.84	ng/L	2.11	375-85-9	J
PFPeS*	Not detected	2.1	1.9	ng/L	2.11	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.1	ng/L	2.11	27619-97-2	
PFOA*	5.9	2.1	0.84	ng/L	2.11	335-67-1	
PFHxS*	1.5	2.1	1.1	ng/L	2.11	355-46-4	J
PFHxS-LN*	1.2	2.1	1.1	ng/L	2.11	355-46-4-LN	J
PFHxS-BR*	Not detected	2.1	1.1	ng/L	2.11	355-46-4-BR	
PFNA*	Not detected	2.1	1.1	ng/L	2.11	375-95-1	
8:2 FTSA*	Not detected	2.1	1.3	ng/L	2.11	39108-34-4	
PFHpS*	1.4	2.1	0.84	ng/L	2.11	375-92-8	J
PFDA*	Not detected	2.1	1.3	ng/L	2.11	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.1	ng/L	2.11	2355-31-9	
EtFOSAA*	Not detected	4.2	1.1	ng/L	2.11	2991-50-6	
PFOS*	Not detected	2.1	0.84	ng/L	2.11	1763-23-1	
PFOS-LN*	Not detected	2.1	0.84	ng/L	2.11	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.84	ng/L	2.11	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.84	ng/L	2.11	2058-94-8	
PFNS*	Not detected	2.1	1.1	ng/L	2.11	68259-12-1	
PFDODA*	Not detected	2.1	0.63	ng/L	2.11	307-55-1	
PFDS*	Not detected	2.1	1.1	ng/L	2.11	335-77-3	
PFTTrDA*	Not detected	2.1	0.84	ng/L	2.11	72629-94-8	
FOSA*	Not detected	2.1	0.84	ng/L	2.11	754-91-6	
PFTeDA*	Not detected	4.2	0.63	ng/L	2.11	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.1	ng/L	2.11	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.1	ng/L	2.11	756426-58-1	
ADONA*	Not detected	2.1	0.63	ng/L	2.11	919005-14-4	
HFPO-DA*	Not detected	11	2.1	ng/L	2.11	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	11	8.4	ng/L	2.11	812-70-4	
FPePA (5:3 FTCA)*	Not detected	11	4.2	ng/L	2.11	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	11	4.2	ng/L	2.11	356-02-5	
PFBSA*	Not detected	2.1	0.63	ng/L	2.11	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75525.03 (continued)
Sample Tag: OBG-MW-28-20250609

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 22:05, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	3.0	2.1	0.84	ng/L	2.11	80988-54-1	
PFHxSA*	Not detected	2.1	0.63	ng/L	2.11	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75525.04

Sample Tag: OBG-MW-22-20250609

Collected Date/Time: 06/09/2025 14:23

Matrix: Groundwater

COC Reference: 57839

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.05/6.48/11	ASTMD7979-19M	06/11/25 12:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 22:25, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	4.2	9.9	2.0	ng/L	1.97	375-22-4	J
PFPeA*	Not detected	3.9	1.2	ng/L	1.97	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.97	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	1.97	307-24-4	
PFBS*	3.6	2.0	0.59	ng/L	1.97	375-73-5	
PFHpA*	Not detected	2.0	0.79	ng/L	1.97	375-85-9	
PFPeS*	5.3	2.0	1.8	ng/L	1.97	2706-91-4	
6:2 FTSA*	Not detected	2.0	0.99	ng/L	1.97	27619-97-2	
PFOA*	5.1	2.0	0.79	ng/L	1.97	335-67-1	
PFHxS*	26	2.0	0.99	ng/L	1.97	355-46-4	
PFHxS-LN*	22	2.0	0.99	ng/L	1.97	355-46-4-LN	
PFHxS-BR*	3.8	2.0	0.99	ng/L	1.97	355-46-4-BR	
PFNA*	1.0	2.0	0.99	ng/L	1.97	375-95-1	J
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.97	39108-34-4	
PFHpS*	18	2.0	0.79	ng/L	1.97	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.97	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.99	ng/L	1.97	2355-31-9	
EtFOSAA*	Not detected	3.9	0.99	ng/L	1.97	2991-50-6	
PFOS*	2,000	2.0	0.79	ng/L	1.97	1763-23-1	
PFOS-LN*	1,200	2.0	0.79	ng/L	1.97	1763-23-1-LN	
PFOS-BR*	780	2.0	0.79	ng/L	1.97	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.79	ng/L	1.97	2058-94-8	
PFNS*	Not detected	2.0	0.99	ng/L	1.97	68259-12-1	
PFDODA*	Not detected	2.0	0.59	ng/L	1.97	307-55-1	
PFDS*	Not detected	2.0	0.99	ng/L	1.97	335-77-3	
PFTTrDA*	Not detected	2.0	0.79	ng/L	1.97	72629-94-8	
FOSA*	Not detected	2.0	0.79	ng/L	1.97	754-91-6	
PFTeDA*	Not detected	3.9	0.59	ng/L	1.97	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.99	ng/L	1.97	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.99	ng/L	1.97	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.97	919005-14-4	
HFPO-DA*	Not detected	9.9	2.0	ng/L	1.97	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.9	7.9	ng/L	1.97	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.9	3.9	ng/L	1.97	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.9	3.9	ng/L	1.97	356-02-5	
PFBSA*	Not detected	2.0	0.59	ng/L	1.97	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75525.04 (continued)
Sample Tag: OBG-MW-22-20250609

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 22:25, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	1,200	2.0	0.79	ng/L	1.97	80988-54-1	
PFHxSA*	Not detected	2.0	0.59	ng/L	1.97	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75525.05
Sample Tag: OBG-MW-24-20250610
Collected Date/Time: 06/10/2025 10:26
Matrix: Groundwater
COC Reference: 57839

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.85/6.48/11	ASTMD7979-19M	06/11/25 12:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 22:45, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.1	ng/L	2.05	375-22-4	
PFPeA*	Not detected	4.1	1.2	ng/L	2.05	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.05	757124-72-4	
PFHxA*	Not detected	2.1	1.2	ng/L	2.05	307-24-4	
PFBS*	Not detected	2.1	0.62	ng/L	2.05	375-73-5	
PFHpA*	Not detected	2.1	0.82	ng/L	2.05	375-85-9	
PFPeS*	Not detected	2.1	1.8	ng/L	2.05	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.05	27619-97-2	
PFOA*	Not detected	2.1	0.82	ng/L	2.05	335-67-1	
PFHxS*	Not detected	2.1	1.0	ng/L	2.05	355-46-4	
PFHxS-LN*	Not detected	2.1	1.0	ng/L	2.05	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.0	ng/L	2.05	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.05	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.05	39108-34-4	
PFHpS*	Not detected	2.1	0.82	ng/L	2.05	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.05	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.05	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.05	2991-50-6	
PFOS*	Not detected	2.1	0.82	ng/L	2.05	1763-23-1	
PFOS-LN*	Not detected	2.1	0.82	ng/L	2.05	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.82	ng/L	2.05	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.82	ng/L	2.05	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.05	68259-12-1	
PFDODA*	Not detected	2.1	0.62	ng/L	2.05	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.05	335-77-3	
PFTTrDA*	Not detected	2.1	0.82	ng/L	2.05	72629-94-8	
FOSA*	Not detected	2.1	0.82	ng/L	2.05	754-91-6	
PFTeDA*	Not detected	4.1	0.62	ng/L	2.05	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.05	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.0	ng/L	2.05	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.05	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.05	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.2	ng/L	2.05	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.1	ng/L	2.05	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.1	ng/L	2.05	356-02-5	
PFBSA*	Not detected	2.1	0.62	ng/L	2.05	30334-69-1	
PFECHS*	1.8	2.1	0.82	ng/L	2.05	80988-54-1	J

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75525.05 (continued)
Sample Tag: OBG-MW-24-20250610

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 22:45, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.1	0.62	ng/L	2.05	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75525.06

Sample Tag: OBG-MW-9-20250610

Collected Date/Time: 06/10/2025 12:36

Matrix: Groundwater

COC Reference: 57839

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.94/6.48/11	ASTMD7979-19M	06/12/25 12:30	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 15:25, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.0	ng/L	2.01	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	2.01	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.01	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	2.01	307-24-4	
PFBS*	1.9	2.0	0.60	ng/L	2.01	375-73-5	J
PFHpA*	Not detected	2.0	0.80	ng/L	2.01	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	2.01	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.01	27619-97-2	
PFOA*	1.3	2.0	0.80	ng/L	2.01	335-67-1	J
PFHxS*	2.5	2.0	1.0	ng/L	2.01	355-46-4	
PFHxS-LN*	2.0	2.0	1.0	ng/L	2.01	355-46-4-LN	J
PFHxS-BR*	Not detected	2.0	1.0	ng/L	2.01	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.01	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.01	39108-34-4	
PFHpS*	Not detected	2.0	0.80	ng/L	2.01	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.01	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.01	2355-31-9	
EtFOSAA*	Not detected	4.0	1.0	ng/L	2.01	2991-50-6	
PFOS*	4.8	2.0	0.80	ng/L	2.01	1763-23-1	
PFOS-LN*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-LN	
PFOS-BR*	3.6	2.0	0.80	ng/L	2.01	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.80	ng/L	2.01	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.01	68259-12-1	
PFDODA*	Not detected	2.0	0.60	ng/L	2.01	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.01	335-77-3	
PFTTrDA*	Not detected	2.0	0.80	ng/L	2.01	72629-94-8	
FOSA*	Not detected	2.0	0.80	ng/L	2.01	754-91-6	
PFTeDA*	Not detected	4.0	0.60	ng/L	2.01	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.01	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.01	756426-58-1	
ADONA*	Not detected	2.0	0.60	ng/L	2.01	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.01	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.0	ng/L	2.01	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.0	ng/L	2.01	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.0	ng/L	2.01	356-02-5	
PFBSA*	Not detected	2.0	0.60	ng/L	2.01	30334-69-1	

J-Estimated value less than reporting limit, but greater than MDL



Analytical Laboratory Report

Lab Sample ID: S75525.06 (continued)
Sample Tag: OBG-MW-9-20250610

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 15:25, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	36	2.0	0.80	ng/L	2.01	80988-54-1	
PFHxSA*	Not detected	2.0	0.60	ng/L	2.01	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75525.07

Sample Tag: OBG-MW-13-20250610

Collected Date/Time: 06/10/2025 11:46

Matrix: Groundwater

COC Reference: 57839

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.65/6.48/11	ASTMD7979-19M	06/12/25 12:30	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 15:45, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	11	2.1	ng/L	2.13	375-22-4	
PFPeA*	Not detected	4.3	1.3	ng/L	2.13	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.13	757124-72-4	
PFHxA*	Not detected	2.1	1.3	ng/L	2.13	307-24-4	
PFBS*	Not detected	2.1	0.64	ng/L	2.13	375-73-5	
PFHpA*	Not detected	2.1	0.85	ng/L	2.13	375-85-9	
PFPeS*	Not detected	2.1	1.9	ng/L	2.13	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.1	ng/L	2.13	27619-97-2	
PFOA*	Not detected	2.1	0.85	ng/L	2.13	335-67-1	
PFHxS*	Not detected	2.1	1.1	ng/L	2.13	355-46-4	
PFHxS-LN*	Not detected	2.1	1.1	ng/L	2.13	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.1	ng/L	2.13	355-46-4-BR	
PFNA*	Not detected	2.1	1.1	ng/L	2.13	375-95-1	
8:2 FTSA*	Not detected	2.1	1.3	ng/L	2.13	39108-34-4	
PFHpS*	Not detected	2.1	0.85	ng/L	2.13	375-92-8	
PFDA*	Not detected	2.1	1.3	ng/L	2.13	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.1	ng/L	2.13	2355-31-9	
EtFOSAA*	Not detected	4.3	1.1	ng/L	2.13	2991-50-6	
PFOS*	Not detected	2.1	0.85	ng/L	2.13	1763-23-1	
PFOS-LN*	Not detected	2.1	0.85	ng/L	2.13	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.85	ng/L	2.13	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.85	ng/L	2.13	2058-94-8	
PFNS*	Not detected	2.1	1.1	ng/L	2.13	68259-12-1	
PFDODA*	Not detected	2.1	0.64	ng/L	2.13	307-55-1	
PFDS*	Not detected	2.1	1.1	ng/L	2.13	335-77-3	
PFTTrDA*	Not detected	2.1	0.85	ng/L	2.13	72629-94-8	
FOSA*	Not detected	2.1	0.85	ng/L	2.13	754-91-6	
PFTeDA*	Not detected	4.3	0.64	ng/L	2.13	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.1	ng/L	2.13	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.1	ng/L	2.13	756426-58-1	
ADONA*	Not detected	2.1	0.64	ng/L	2.13	919005-14-4	
HFPO-DA*	Not detected	11	2.1	ng/L	2.13	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	11	8.5	ng/L	2.13	812-70-4	
FPePA (5:3 FTCA)*	Not detected	11	4.3	ng/L	2.13	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	11	4.3	ng/L	2.13	356-02-5	
PFBSA*	Not detected	2.1	0.64	ng/L	2.13	30334-69-1	
PFECHS*	Not detected	2.1	0.85	ng/L	2.13	80988-54-1	



Analytical Laboratory Report

Lab Sample ID: S75525.07 (continued)

Sample Tag: OBG-MW-13-20250610

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 15:45, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.1	0.64	ng/L	2.13	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75525.08

Sample Tag: Trip Blank-20250610

Collected Date/Time: 06/10/2025 00:01

Matrix: Liquid

COC Reference: 57839

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.99/6.48/11	ASTMD7979-19M	06/12/25 12:30	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 16:05, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.0	ng/L	2	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	2	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	2	307-24-4	
PFBS*	Not detected	2.0	0.60	ng/L	2	375-73-5	
PFHpA*	Not detected	2.0	0.80	ng/L	2	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	2	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2	27619-97-2	
PFOA*	Not detected	2.0	0.80	ng/L	2	335-67-1	
PFHxS*	Not detected	2.0	1.0	ng/L	2	355-46-4	
PFHxS-LN*	Not detected	2.0	1.0	ng/L	2	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	1.0	ng/L	2	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2	39108-34-4	
PFHpS*	Not detected	2.0	0.80	ng/L	2	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2	2355-31-9	
EtFOSAA*	Not detected	4.0	1.0	ng/L	2	2991-50-6	
PFOS*	Not detected	2.0	0.80	ng/L	2	1763-23-1	
PFOS-LN*	Not detected	2.0	0.80	ng/L	2	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.80	ng/L	2	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.80	ng/L	2	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2	68259-12-1	
PFDODA*	Not detected	2.0	0.60	ng/L	2	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2	335-77-3	
PFTTrDA*	Not detected	2.0	0.80	ng/L	2	72629-94-8	
FOSA*	Not detected	2.0	0.80	ng/L	2	754-91-6	
PFTeDA*	Not detected	4.0	0.60	ng/L	2	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2	756426-58-1	
ADONA*	Not detected	2.0	0.60	ng/L	2	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.0	ng/L	2	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.0	ng/L	2	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.0	ng/L	2	356-02-5	
PFBSA*	Not detected	2.0	0.60	ng/L	2	30334-69-1	
PFECHS*	Not detected	2.0	0.80	ng/L	2	80988-54-1	



Analytical Laboratory Report

Lab Sample ID: S75525.08 (continued)

Sample Tag: Trip Blank-20250610

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 16:05, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.0	0.60	ng/L	2	41997-13-1	

Merit Laboratories Login Checklist

Lab Set ID:S75525

Client:RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Rd

Submitted:06/10/2025 15:30 Login User: MMC

Attention: Clifford Yantz

Address: Ramboll Americas
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:
Email: Clifford.Yantz@ramboll.com

Selection	Description	Note
Sample Receiving		
01.	☒ Yes ☐ No ☐ N/A	Samples are received at 4C +/- 2C Thermometer # IR 4.6
02.	☒ Yes ☐ No ☐ N/A	Received on ice/ cooling process begun
03.	☐ Yes ☒ No ☐ N/A	Samples shipped
04.	☐ Yes ☒ No ☐ N/A	Samples left in 24 hr. drop box
05.	☐ Yes ☐ No ☒ N/A	Are there custody seals/tape or is the drop box locked
Chain of Custody		
06.	☒ Yes ☐ No ☐ N/A	COC adequately filled out
07.	☒ Yes ☐ No ☐ N/A	COC signed and relinquished to the lab
08.	☒ Yes ☐ No ☐ N/A	Sample tag on bottles match COC
09.	☐ Yes ☒ No ☐ N/A	Subcontracting needed? Subcontacted to:
Preservation		
10.	☒ Yes ☐ No ☐ N/A	Do sample have correct chemical preservation
11.	☐ Yes ☐ No ☒ N/A	Completed pH checks on preserved samples? (no VOAs)
12.	☐ Yes ☒ No ☐ N/A	Did any samples need to be preserved in the lab?
Bottle Conditions		
13.	☒ Yes ☐ No ☐ N/A	All bottles intact
14.	☒ Yes ☐ No ☐ N/A	Appropriate analytical bottles are used
15.	☒ Yes ☐ No ☐ N/A	Merit bottles used
16.	☒ Yes ☐ No ☐ N/A	Sufficient sample volume received
17.	☐ Yes ☒ No ☐ N/A	Samples require laboratory filtration
18.	☒ Yes ☐ No ☐ N/A	Samples submitted within holding time
19.	☐ Yes ☐ No ☒ N/A	Do water VOC, TOX, DO or Alkalinity bottles contain

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____



2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

57839

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME Clifford Yantze / Kevin Schneider			
COMPANY Ramboll			
ADDRESS 2090 Common Wealth Blvd			
CITY Ann Arbor		STATE MI	ZIP CODE 48105
PHONE NO. 313-333-0211	FAX NO. —	P.O. NO. 194001180 Task 37	
E-MAIL ADDRESS clifford.yantze@ramboll.com kevin.schneider@ramboll.com		QUOTE NO. —	

CONTACT NAME X SAME		
COMPANY		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME RACER Coldwater Rd		SAMPLER(S) - PLEASE PRINT/SIGN NAME Savannah Thielbar		SPECIAL INSTRUCTIONS/NOTES																			
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER																							
DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER																							
MATRIX CODE: GW=GROUNDWATER SL=SLUDGE WW=WASTEWATER O=OIL S=SOIL A=AIR L=LIQUID W=WASTE SD=SOLID M=MISC				# Containers & Preservatives																			
MERIT LAB NO.	YEAR DATE TIME		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO3	H2SO4	NaOH	MeOH	OTHER											
7552501	6/9/25	1113	OBu-MW-11-20250609	GW	3	X							X	low level reporting with estimated values									
.02	6/9/25	1135	OBu-MW-23-20250609	GW	3	X							X										
.03	6/9/25	1334	OBu-MW-28-20250609	GW	3	X							X										
.04	6/9/25	1423	OBu-MW-22-20250609	GW	3	X							X										
.05	6/10/25	1026	OBu-MW-24-20250610	GW	3	X							X										
.06	6/10/25	1236	OBu-MW-9-20250610	GW	3	X							X										
.07	6/10/25	1146	OBu-MW-13-20250610	GW	3	X							X										
.08	6/10/25	—	Field Blank-20250610	L	2	X							X										
ST																							

RELINQUISHED BY: Savannah Thielbar	DATE 6/10/25	TIME 1240	RELINQUISHED BY:	DATE	TIME
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RECEIVED BY: J. Thielbar	DATE 6/10/25	TIME 1800	RECEIVED BY:	DATE	TIME
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RELINQUISHED BY: J. Thielbar	DATE 6/10/25	TIME 1511	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SIGNATURE/ORGANIZATION			SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
RECEIVED BY: M. Chilcote	DATE 6/10/25	TIME 1530	NOTES: TEMP. ON ARRIVAL 4.6		
SIGNATURE/ORGANIZATION					

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE



Quality Control Report

Report ID: QC-S75525-01
Generated on 06/25/2025

Report to

Attention: Clifford Yantz
Ramboll Americas
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S75525.01-S75525.08
Project: RACER Coldwater Rd
Submitted Date/Time: 06/10/2025 15:30
Sampled by: Savannah Thielbar
P.O. #: 1940011180 TASK37

QC Report Sections

Cover Page (Page 1)
Analysis Summary (Pages 2-9)
Prep Batch Summary (Page 10)
Internal Standards per Lab Sample (Pages 11-18)
Internal Standards per QC Sample (Pages 19-26)
Batch QC Results (Pages 27-35)

Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S75525.01
Sample Tag: OBG-MW-11-20250609
Collected Date/Time: 06/09/2025 11:13
Matrix: Groundwater
COC Reference: 57839

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/12/25 21:25	AK250612W1	PF250611W1	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S75525.02
Sample Tag: OBG-MW-23-20250609
Collected Date/Time: 06/09/2025 11:35
Matrix: Groundwater
COC Reference: 57839

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/12/25 21:45	AK250612W1	PF250611W1	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S75525.03
Sample Tag: OBG-MW-28-20250609
Collected Date/Time: 06/09/2025 13:34
Matrix: Groundwater
COC Reference: 57839

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/12/25 22:05	AK250612W1	PF250611W1	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S75525.04
Sample Tag: OBG-MW-22-20250609
Collected Date/Time: 06/09/2025 14:23
Matrix: Groundwater
COC Reference: 57839

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/12/25 22:25	AK250612W1	PF250611W1	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S75525.05
Sample Tag: OBG-MW-24-20250610
Collected Date/Time: 06/10/2025 10:26
Matrix: Groundwater
COC Reference: 57839

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/12/25 22:45	AK250612W1	PF250611W1	Yes	BLK/LCS/LCSD

QC Report - Analysis Summary

Lab Sample ID: S75525.06
Sample Tag: OBG-MW-9-20250610
Collected Date/Time: 06/10/2025 12:36
Matrix: Groundwater
COC Reference: 57839

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/12/25 15:25	AK250612W1	PF250612W1	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S75525.07
Sample Tag: OBG-MW-13-20250610
Collected Date/Time: 06/10/2025 11:46
Matrix: Groundwater
COC Reference: 57839

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/12/25 15:45	AK250612W1	PF250612W1	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S75525.08
Sample Tag: Trip Blank-20250610
Collected Date/Time: 06/10/2025 00:01
Matrix: Liquid
COC Reference: 57839

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/12/25 16:05	AK250612W1	PF250612W1	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: PF250611W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S75525.01	34 PFAs	ASTMD7979-19M	06/12/25 21:25	AK250612W1
S75525.02	34 PFAs	ASTMD7979-19M	06/12/25 21:45	AK250612W1
S75525.03	34 PFAs	ASTMD7979-19M	06/12/25 22:05	AK250612W1
S75525.04	34 PFAs	ASTMD7979-19M	06/12/25 22:25	AK250612W1
S75525.05	34 PFAs	ASTMD7979-19M	06/12/25 22:45	AK250612W1

Organics - Volatiles, Prep Batch ID: PF250612W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S75525.06	34 PFAs	ASTMD7979-19M	06/12/25 15:25	AK250612W1
S75525.07	34 PFAs	ASTMD7979-19M	06/12/25 15:45	AK250612W1
S75525.08	34 PFAs	ASTMD7979-19M	06/12/25 16:05	AK250612W1

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75525.01

Sample Tag: OBG-MW-11-20250609

Collected Date/Time: 06/09/2025 11:13

Matrix: Groundwater

COC Reference: 57839

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250612W1, Run Date: 06/12/2025 21:25, Matrix: WW, Dilution: 2.03

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		111.7	50.0	150.0
M2-6:2FTSA		78.3	50.0	150.0
M2-8:2FTSA		97.6	50.0	150.0
M2PFTeDA		108.5	12.0	218.0
M3PFBS		94.5	50.0	150.0
M3PFHxS		108.2	50.0	150.0
M4PFHpA		116.2	50.0	150.0
M5PFHxA		105.0	50.0	150.0
M5PFPeA		109.5	50.0	150.0
M6PFDA		115.1	50.0	150.0
M7PFUnDA		109.3	50.0	150.0
M8FOSA		107.6	50.0	150.0
M8PFOA		104.5	50.0	150.0
M8PFOS		105.9	50.0	150.0
M9-PFNA		109.3	50.0	150.0
MPFBA		108.1	50.0	150.0
MPFDoDA		109.2	50.0	150.0
d3N-MeFOSAA		107.0	50.0	150.0
d5EtFOSAA		104.0	50.0	150.0
MHFPO-DA		102.2	50.0	150.0
d-N-EtFOSA-M		109.3	50.0	150.0
d-N-MeFOSA-M		101.3	50.0	150.0
d7-N-MeFOSE-M		111.3	50.0	150.0
d9-N-EtFOSE-M		103.6	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75525.02

Sample Tag: OBG-MW-23-20250609

Collected Date/Time: 06/09/2025 11:35

Matrix: Groundwater

COC Reference: 57839

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250612W1, Run Date: 06/12/2025 21:45, Matrix: WW, Dilution: 1.96

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		95.6	50.0	150.0
M2-6:2FTSA		92.6	50.0	150.0
M2-8:2FTSA		89.7	50.0	150.0
M2PFTeDA		94.5	12.0	218.0
M3PFBS		97.4	50.0	150.0
M3PFHxS		108.4	50.0	150.0
M4PFHpA		124.1	50.0	150.0
M5PFHxA		104.2	50.0	150.0
M5PFPeA		110.3	50.0	150.0
M6PFDA		103.2	50.0	150.0
M7PFUnDA		103.7	50.0	150.0
M8FOSA		101.4	50.0	150.0
M8PFOA		110.0	50.0	150.0
M8PFOS		113.9	50.0	150.0
M9-PFNA		117.1	50.0	150.0
MPFBA		108.5	50.0	150.0
MPFDoDA		99.2	50.0	150.0
d3N-MeFOSAA		98.2	50.0	150.0
d5EtFOSAA		108.1	50.0	150.0
MHFPO-DA		105.3	50.0	150.0
d-N-EtFOSA-M		113.8	50.0	150.0
d-N-MeFOSA-M		100.9	50.0	150.0
d7-N-MeFOSE-M		103.8	50.0	150.0
d9-N-EtFOSE-M		101.3	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75525.03

Sample Tag: OBG-MW-28-20250609

Collected Date/Time: 06/09/2025 13:34

Matrix: Groundwater

COC Reference: 57839

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250612W1, Run Date: 06/12/2025 22:05, Matrix: WW, Dilution: 2.11

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		101.8	50.0	150.0
M2-6:2FTSA		98.2	50.0	150.0
M2-8:2FTSA		110.3	50.0	150.0
M2PFTeDA		121.5	12.0	218.0
M3PFBS		101.0	50.0	150.0
M3PFHxS		110.8	50.0	150.0
M4PFHpA		110.3	50.0	150.0
M5PFHxA		111.0	50.0	150.0
M5PFPeA		107.3	50.0	150.0
M6PFDA		108.2	50.0	150.0
M7PFUnDA		104.5	50.0	150.0
M8FOSA		109.7	50.0	150.0
M8PFOA		107.3	50.0	150.0
M8PFOS		114.1	50.0	150.0
M9-PFNA		119.7	50.0	150.0
MPFBA		111.6	50.0	150.0
MPFDoDA		115.7	50.0	150.0
d3N-MeFOSAA		116.9	50.0	150.0
d5EtFOSAA		107.2	50.0	150.0
MHFPO-DA		100.9	50.0	150.0
d-N-EtFOSA-M		111.0	50.0	150.0
d-N-MeFOSA-M		103.5	50.0	150.0
d7-N-MeFOSE-M		110.3	50.0	150.0
d9-N-EtFOSE-M		105.7	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75525.04

Sample Tag: OBG-MW-22-20250609

Collected Date/Time: 06/09/2025 14:23

Matrix: Groundwater

COC Reference: 57839

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250612W1, Run Date: 06/12/2025 22:25, Matrix: WW, Dilution: 1.97

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		103.5	50.0	150.0
M2-6:2FTSA		100.2	50.0	150.0
M2-8:2FTSA		94.6	50.0	150.0
M2PFTeDA		115.6	12.0	218.0
M3PFBS		104.1	50.0	150.0
M3PFHxS		122.4	50.0	150.0
M4PFHpA		127.6	50.0	150.0
M5PFHxA		120.2	50.0	150.0
M5PFPeA		112.8	50.0	150.0
M6PFDA		116.7	50.0	150.0
M7PFUnDA		100.0	50.0	150.0
M8FOSA		113.5	50.0	150.0
M8PFOA		105.1	50.0	150.0
M8PFOS		114.8	50.0	150.0
M9-PFNA		120.2	50.0	150.0
MPFBA		113.3	50.0	150.0
MPFDoDA		113.2	50.0	150.0
d3N-MeFOSAA		144.6	50.0	150.0
d5EtFOSAA		104.2	50.0	150.0
MHFPO-DA		100.6	50.0	150.0
d-N-EtFOSA-M		104.5	50.0	150.0
d-N-MeFOSA-M		91.3	50.0	150.0
d7-N-MeFOSE-M		110.0	50.0	150.0
d9-N-EtFOSE-M		105.9	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75525.05

Sample Tag: OBG-MW-24-20250610

Collected Date/Time: 06/10/2025 10:26

Matrix: Groundwater

COC Reference: 57839

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250612W1, Run Date: 06/12/2025 22:45, Matrix: WW, Dilution: 2.05

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		92.8	50.0	150.0
M2-6:2FTSA		95.4	50.0	150.0
M2-8:2FTSA		103.2	50.0	150.0
M2PFTeDA		108.5	12.0	218.0
M3PFBS		104.1	50.0	150.0
M3PFHxS		133.2	50.0	150.0
M4PFHpA		126.4	50.0	150.0
M5PFHxA		110.2	50.0	150.0
M5PFPeA		111.0	50.0	150.0
M6PFDA		103.4	50.0	150.0
M7PFUnDA		117.6	50.0	150.0
M8FOSA		110.2	50.0	150.0
M8PFOA		107.9	50.0	150.0
M8PFOS		116.8	50.0	150.0
M9-PFNA		118.6	50.0	150.0
MPFBA		113.7	50.0	150.0
MPFDoDA		112.7	50.0	150.0
d3N-MeFOSAA		114.2	50.0	150.0
d5EtFOSAA		115.6	50.0	150.0
MHFPO-DA		106.7	50.0	150.0
d-N-EtFOSA-M		107.2	50.0	150.0
d-N-MeFOSA-M		105.9	50.0	150.0
d7-N-MeFOSE-M		106.3	50.0	150.0
d9-N-EtFOSE-M		103.2	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75525.06

Sample Tag: OBG-MW-9-20250610

Collected Date/Time: 06/10/2025 12:36

Matrix: Groundwater

COC Reference: 57839

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250612W1, Run Date: 06/12/2025 15:25, Matrix: WW, Dilution: 2.01

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		94.8	50.0	150.0
M2-6:2FTSA		85.2	50.0	150.0
M2-8:2FTSA		84.2	50.0	150.0
M2PFTeDA		81.0	12.0	218.0
M3PFBS		89.5	50.0	150.0
M3PFHxS		107.3	50.0	150.0
M4PFHpA		112.2	50.0	150.0
M5PFHxA		111.8	50.0	150.0
M5PFPeA		102.7	50.0	150.0
M6PFDA		99.4	50.0	150.0
M7PFUnDA		93.9	50.0	150.0
M8FOSA		100.4	50.0	150.0
M8PFOA		102.7	50.0	150.0
M8PFOS		105.3	50.0	150.0
M9-PFNA		101.6	50.0	150.0
MPFBA		102.4	50.0	150.0
MPFDoDA		99.4	50.0	150.0
d3N-MeFOSAA		98.2	50.0	150.0
d5EtFOSAA		96.6	50.0	150.0
MHFPO-DA		87.7	50.0	150.0
d-N-EtFOSA-M		102.8	50.0	150.0
d-N-MeFOSA-M		98.3	50.0	150.0
d7-N-MeFOSE-M		94.1	50.0	150.0
d9-N-EtFOSE-M		94.3	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75525.07

Sample Tag: OBG-MW-13-20250610

Collected Date/Time: 06/10/2025 11:46

Matrix: Groundwater

COC Reference: 57839

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250612W1, Run Date: 06/12/2025 15:45, Matrix: WW, Dilution: 2.13

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		91.8	50.0	150.0
M2-6:2FTSA		82.1	50.0	150.0
M2-8:2FTSA		110.4	50.0	150.0
M2PFTeDA		109.3	12.0	218.0
M3PFBS		94.9	50.0	150.0
M3PFHxS		102.2	50.0	150.0
M4PFHpA		121.7	50.0	150.0
M5PFHxA		104.3	50.0	150.0
M5PFPeA		105.4	50.0	150.0
M6PFDA		114.8	50.0	150.0
M7PFUnDA		98.4	50.0	150.0
M8FOSA		103.5	50.0	150.0
M8PFOA		99.5	50.0	150.0
M8PFOS		109.8	50.0	150.0
M9-PFNA		115.5	50.0	150.0
MPFBA		106.3	50.0	150.0
MPFDoDA		99.7	50.0	150.0
d3N-MeFOSAA		102.2	50.0	150.0
d5EtFOSAA		98.0	50.0	150.0
MHFPO-DA		95.3	50.0	150.0
d-N-EtFOSA-M		112.0	50.0	150.0
d-N-MeFOSA-M		101.2	50.0	150.0
d7-N-MeFOSE-M		104.6	50.0	150.0
d9-N-EtFOSE-M		107.7	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75525.08

Sample Tag: Trip Blank-20250610

Collected Date/Time: 06/10/2025 00:01

Matrix: Liquid

COC Reference: 57839

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250612W1, Run Date: 06/12/2025 16:05, Matrix: WW, Dilution: 2

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		95.8	50.0	150.0
M2-6:2FTSA		92.3	50.0	150.0
M2-8:2FTSA		105.9	50.0	150.0
M2PFTeDA		100.7	12.0	218.0
M3PFBS		92.3	50.0	150.0
M3PFHxS		102.8	50.0	150.0
M4PFHpA		121.3	50.0	150.0
M5PFHxA		105.8	50.0	150.0
M5PFPeA		109.2	50.0	150.0
M6PFDA		106.3	50.0	150.0
M7PFUnDA		105.9	50.0	150.0
M8FOSA		102.6	50.0	150.0
M8PFOA		111.8	50.0	150.0
M8PFOS		108.9	50.0	150.0
M9-PFNA		105.1	50.0	150.0
MPFBA		104.6	50.0	150.0
MPFDoDA		104.4	50.0	150.0
d3N-MeFOSAA		121.0	50.0	150.0
d5EtFOSAA		100.1	50.0	150.0
MHFPO-DA		98.9	50.0	150.0
d-N-EtFOSA-M		102.0	50.0	150.0
d-N-MeFOSA-M		92.9	50.0	150.0
d7-N-MeFOSE-M		102.8	50.0	150.0
d9-N-EtFOSE-M		95.6	50.0	150.0

QC Report - Internal Standards per QC Sample

Organics - Volatiles, Prep Batch ID: PF250611W1

QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: AK250611W1.BLK250611

Run in Batch: AK250611W1, Run Date: 06/11/2025 14:50, Prep Date: 06/11/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		100.0	50.0	150.0
M2-6:2FTSA		105.9	50.0	150.0
M2-8:2FTSA		101.2	50.0	150.0
M2PFTeDA		95.8	12.0	218.0
M3PFBS		94.2	50.0	150.0
M3PFHxS		91.9	50.0	150.0
M4PFHpA		91.4	50.0	150.0
M5PFHxA		105.8	50.0	150.0
M5PFPeA		98.0	50.0	150.0
M6PFDA		115.1	50.0	150.0
M7PFUnDA		96.4	50.0	150.0
M8FOSA		106.3	50.0	150.0
M8PFOA		97.1	50.0	150.0
M8PFOS		94.0	50.0	150.0
M9-PFNA		102.6	50.0	150.0
MPFBA		98.6	50.0	150.0
MPFDoDA		93.8	50.0	150.0
d3N-MeFOSAA		91.7	50.0	150.0
d5EtFOSAA		101.9	50.0	150.0
MHFPO-DA		93.8	50.0	150.0
d-N-EtFOSA-M		98.3	50.0	150.0
d-N-MeFOSA-M		100.5	50.0	150.0
d7-N-MeFOSE-M		103.4	50.0	150.0
d9-N-EtFOSE-M		106.0	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample (LCS)

Lab Sample ID: AK250611W1.LCS250611

Run in Batch: AK250611W1, Run Date: 06/11/2025 14:10, Prep Date: 06/11/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		102.4	50.0	150.0
M2-6:2FTSA		106.3	50.0	150.0
M2-8:2FTSA		98.1	50.0	150.0
M2PFTeDA		88.8	12.0	218.0
M3PFBS		98.1	50.0	150.0
M3PFHxS		104.3	50.0	150.0
M4PFHpA		92.7	50.0	150.0
M5PFHxA		110.6	50.0	150.0
M5PFPeA		102.0	50.0	150.0
M6PFDA		102.4	50.0	150.0
M7PFUnDA		92.9	50.0	150.0
M8FOSA		102.1	50.0	150.0
M8PFOA		98.4	50.0	150.0
M8PFOS		97.0	50.0	150.0
M9-PFNA		99.8	50.0	150.0
MPFBA		98.3	50.0	150.0
MPFDoDA		90.1	50.0	150.0
d3N-MeFOSAA		85.5	50.0	150.0
d5EtFOSAA		96.7	50.0	150.0
MHFPO-DA		92.4	50.0	150.0
d-N-EtFOSA-M		95.5	50.0	150.0
d-N-MeFOSA-M		98.8	50.0	150.0
d7-N-MeFOSE-M		106.8	50.0	150.0
d9-N-EtFOSE-M		97.6	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250611W1.LCSD250611, Parent Sample ID: AK250611W1.LCS250611

Run in Batch: AK250611W1, Run Date: 06/11/2025 14:30, Prep Date: 06/11/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		95.6	50.0	150.0
M2-6:2FTSA		113.8	50.0	150.0
M2-8:2FTSA		106.9	50.0	150.0
M2PFTeDA		94.2	12.0	218.0
M3PFBS		96.0	50.0	150.0
M3PFHxS		99.7	50.0	150.0
M4PFHpA		99.0	50.0	150.0
M5PFHxA		105.8	50.0	150.0
M5PFPeA		104.4	50.0	150.0
M6PFDA		120.9	50.0	150.0
M7PFUnDA		88.9	50.0	150.0
M8FOSA		101.4	50.0	150.0
M8PFOA		98.3	50.0	150.0
M8PFOS		96.7	50.0	150.0
M9-PFNA		104.3	50.0	150.0
MPFBA		99.3	50.0	150.0
MPFDoDA		90.3	50.0	150.0
d3N-MeFOSAA		91.1	50.0	150.0
d5EtFOSAA		93.4	50.0	150.0
MHFPO-DA		89.6	50.0	150.0
d-N-EtFOSA-M		96.0	50.0	150.0
d-N-MeFOSA-M		98.7	50.0	150.0
d7-N-MeFOSE-M		105.1	50.0	150.0
d9-N-EtFOSE-M		102.7	50.0	150.0

QC Report - Internal Standards per QC Sample

Organics - Volatiles, Prep Batch ID: PF250612W1

QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: AK250612QC.BLK250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 15:05, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		101.6	50.0	150.0
M2-6:2FTSA		103.7	50.0	150.0
M2-8:2FTSA		98.8	50.0	150.0
M2PFTeDA		88.3	12.0	218.0
M3PFBS		95.6	50.0	150.0
M3PFHxS		113.6	50.0	150.0
M4PFHpA		105.3	50.0	150.0
M5PFHxA		108.3	50.0	150.0
M5PFPeA		106.1	50.0	150.0
M6PFDA		100.6	50.0	150.0
M7PFUnDA		90.2	50.0	150.0
M8FOSA		98.5	50.0	150.0
M8PFOA		106.4	50.0	150.0
M8PFOS		118.8	50.0	150.0
M9-PFNA		110.1	50.0	150.0
MPFBA		81.2	50.0	150.0
MPFDoDA		102.3	50.0	150.0
d3N-MeFOSAA		99.1	50.0	150.0
d5EtFOSAA		97.5	50.0	150.0
MHFPO-DA		100.5	50.0	150.0
d-N-EtFOSA-M		113.2	50.0	150.0
d-N-MeFOSA-M		94.7	50.0	150.0
d7-N-MeFOSE-M		95.8	50.0	150.0
d9-N-EtFOSE-M		97.9	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample (LCS)

Lab Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:25, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		94.0	50.0	150.0
M2-6:2FTSA		84.7	50.0	150.0
M2-8:2FTSA		104.5	50.0	150.0
M2PFTeDA		84.5	12.0	218.0
M3PFBS		92.4	50.0	150.0
M3PFHxS		101.3	50.0	150.0
M4PFHpA		100.4	50.0	150.0
M5PFHxA		95.2	50.0	150.0
M5PFPeA		94.9	50.0	150.0
M6PFDA		99.7	50.0	150.0
M7PFUnDA		91.1	50.0	150.0
M8FOSA		92.6	50.0	150.0
M8PFOA		98.5	50.0	150.0
M8PFOS		102.2	50.0	150.0
M9-PFNA		103.6	50.0	150.0
MPFBA		96.7	50.0	150.0
MPFDoDA		93.7	50.0	150.0
d3N-MeFOSAA		105.5	50.0	150.0
d5EtFOSAA		89.3	50.0	150.0
MHFPO-DA		89.2	50.0	150.0
d-N-EtFOSA-M		90.5	50.0	150.0
d-N-MeFOSA-M		91.3	50.0	150.0
d7-N-MeFOSE-M		85.5	50.0	150.0
d9-N-EtFOSE-M		92.7	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250612QC.LCSD250612, Parent Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		100.0	50.0	150.0
M2-6:2FTSA		88.4	50.0	150.0
M2-8:2FTSA		96.3	50.0	150.0
M2PFTeDA		93.9	12.0	218.0
M3PFBS		92.2	50.0	150.0
M3PFHxS		105.3	50.0	150.0
M4PFHpA		103.4	50.0	150.0
M5PFHxA		94.1	50.0	150.0
M5PFPeA		102.2	50.0	150.0
M6PFDA		105.6	50.0	150.0
M7PFUnDA		98.4	50.0	150.0
M8FOSA		95.2	50.0	150.0
M8PFOA		101.2	50.0	150.0
M8PFOS		104.2	50.0	150.0
M9-PFNA		105.2	50.0	150.0
MPFBA		99.1	50.0	150.0
MPFDoDA		96.2	50.0	150.0
d3N-MeFOSAA		97.8	50.0	150.0
d5EtFOSAA		89.9	50.0	150.0
MHFPO-DA		85.8	50.0	150.0
d-N-EtFOSA-M		106.3	50.0	150.0
d-N-MeFOSA-M		96.7	50.0	150.0
d7-N-MeFOSE-M		97.2	50.0	150.0
d9-N-EtFOSE-M		94.2	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike (MS)

Lab Sample ID: AK250612W1.7541933, Parent Sample ID: S75419.09

Run in Batch: AK250612W1, Run Date: 06/12/2025 20:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1.93

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		96.1	50.0	150.0
M2-6:2FTSA		82.6	50.0	150.0
M2-8:2FTSA		94.3	50.0	150.0
M2PFTeDA		91.1	12.0	218.0
M3PFBS		99.0	50.0	150.0
M3PFHxS		117.1	50.0	150.0
M4PFHpA		118.7	50.0	150.0
M5PFHxA		111.3	50.0	150.0
M5PFPeA		104.2	50.0	150.0
M6PFDA		108.2	50.0	150.0
M7PFUnDA		96.2	50.0	150.0
M8FOSA		109.0	50.0	150.0
M8PFOA		110.9	50.0	150.0
M8PFOS		110.1	50.0	150.0
M9-PFNA		109.3	50.0	150.0
MPFBA		107.5	50.0	150.0
MPFDoDA		102.3	50.0	150.0
d3N-MeFOSAA	*	175.4	50.0	150.0
d5EtFOSAA		95.5	50.0	150.0
MHFPO-DA		100.9	50.0	150.0
d-N-EtFOSA-M		105.2	50.0	150.0
d-N-MeFOSA-M		97.9	50.0	150.0
d7-N-MeFOSE-M		109.3	50.0	150.0
d9-N-EtFOSE-M		95.8	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike Duplicate (MSD)

Lab Sample ID: AK250612W1.7541934, Parent Sample ID: AK250612W1.7541933

Run in Batch: AK250612W1, Run Date: 06/12/2025 21:05, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1.99

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		107.2	50.0	150.0
M2-6:2FTSA		102.5	50.0	150.0
M2-8:2FTSA		110.9	50.0	150.0
M2PFTeDA		107.8	12.0	218.0
M3PFBS		106.9	50.0	150.0
M3PFHxS		124.4	50.0	150.0
M4PFHpA		131.5	50.0	150.0
M5PFHxA		119.7	50.0	150.0
M5PFPeA		116.0	50.0	150.0
M6PFDA		119.0	50.0	150.0
M7PFUnDA		117.3	50.0	150.0
M8FOSA		113.5	50.0	150.0
M8PFOA		122.4	50.0	150.0
M8PFOS		127.0	50.0	150.0
M9-PFNA		116.2	50.0	150.0
MPFBA		116.6	50.0	150.0
MPFDoDA		113.3	50.0	150.0
d3N-MeFOSAA	*	163.3	50.0	150.0
d5EtFOSAA		124.6	50.0	150.0
MHFPO-DA		111.6	50.0	150.0
d-N-EtFOSA-M		116.7	50.0	150.0
d-N-MeFOSA-M		107.6	50.0	150.0
d7-N-MeFOSE-M		119.5	50.0	150.0
d9-N-EtFOSE-M		111.4	50.0	150.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250611W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Blank (BLK)

Lab Sample ID: AK250611W1.BLK250611

Run in Batch: AK250611W1, Run Date: 06/11/2025 14:50, Prep Date: 06/11/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
PFBA		ND	10	ng/l
PFMPA		ND	2	ng/l
FPrPA (3:3 FTCA)		ND	10	ng/l
PFPPrS		ND	2	ng/l
PFPeA		ND	4	ng/l
PFMBA		ND	2	ng/l
4:2 FTSA		ND	2	ng/l
NFDHA		ND	2	ng/l
PFHxA		ND	2	ng/l
PFBS		ND	2	ng/l
HFPO-DA		ND	10	ng/l
FPePA (5:3 FTCA)		ND	10	ng/l
PFEESA		ND	2	ng/l
PFFHpA		ND	2	ng/l
PFPeS		ND	2	ng/l
ADONA		ND	2	ng/l
6:2 FTSA		ND	2	ng/l
PFBSA		ND	2	ng/l
PFOA		ND	2	ng/l
PFHxS-BR		ND	2	ng/l
PFHxS		ND	2	ng/l
PFHxS-LN		ND	2	ng/l
FHpPA (7:3 FTCA)		ND	10	ng/l
PFNA		ND	2	ng/l
PFECHS		ND	2	ng/l
8:2 FTSA		ND	2	ng/l
PFFHpS		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
PFDA		ND	2	ng/l
PFOS-BR		ND	2	ng/l
PFOS		ND	2	ng/l
EtFOSAA		ND	4	ng/l
PFOS-LN		ND	2	ng/l
PFHxSA		ND	2	ng/l
PFOuDA		ND	2	ng/l
9CL-PF3ONS		ND	2	ng/l
PFNS		ND	2	ng/l
PFDODA		ND	2	ng/l
PFDS		ND	2	ng/l
PFTTrDA		ND	2	ng/l
11CL-PF3OUdS		ND	2	ng/l
FOSA		ND	2	ng/l
PFTeDA		ND	4	ng/l
PFDOS		ND	6	ng/l
NMeFOSE		ND	4	ng/l
NMeFOSAM		ND	2	ng/l

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250611W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Blank (BLK) (continued)

Lab Sample ID: AK250611W1.BLK250611

Run in Batch: AK250611W1, Run Date: 06/11/2025 14:50, Prep Date: 06/11/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
NEtFOSE		ND	4	ng/l
NEtFOSAM		ND	2	ng/l

Laboratory Control Sample (LCS)

Lab Sample ID: AK250611W1.LCS250611

Run in Batch: AK250611W1, Run Date: 06/11/2025 14:10, Prep Date: 06/11/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		101.0	70.0	130.0
PFMPA		101.8	70.0	130.0
FPrPA (3:3 FTCA)		93.6	70.0	130.0
PFPPrS		91.4	70.0	130.0
PFPeA		92.4	70.0	130.0
PFMBA		113.6	70.0	130.0
4:2 FTSA		96.6	70.0	130.0
NFDHA		103.4	70.0	130.0
PFHxA		85.4	70.0	130.0
PFBS		90.0	70.0	130.0
HFPO-DA		114.4	70.0	130.0
FPePA (5:3 FTCA)		92.2	70.0	130.0
PFEESA		85.8	70.0	130.0
PFHpA		100.6	70.0	130.0
PFPeS		100.4	70.0	130.0
ADONA		106.4	70.0	130.0
6:2 FTSA		98.8	70.0	130.0
PFBSA		82.2	70.0	130.0
PFOA		85.8	70.0	130.0
PFHxS		98.4	70.0	130.0
FHpPA (7:3 FTCA)		111.6	70.0	130.0
PFNA		103.4	70.0	130.0
PFECHS		99.4	70.0	130.0
8:2 FTSA		121.8	70.0	130.0
PFHpS		86.4	70.0	130.0
N-MeFOSAA		111.2	70.0	130.0
PFDA		106.6	70.0	130.0
PFOS		112.8	70.0	130.0
EtFOSAA		95.8	70.0	130.0
PFHxSA		99.0	70.0	130.0
PFUnDA		106.8	70.0	130.0
9CL-PF3ONS		110.6	70.0	130.0
PFNS		111.0	70.0	130.0
PFDoDA		108.8	70.0	130.0
PFDS		124.4	70.0	130.0
PFTTrDA		116.6	70.0	130.0
11CL-PF3OUdS		114.2	70.0	130.0
FOSA		99.2	70.0	130.0
PFTeDA		114.8	70.0	130.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250611W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK250611W1.LCS250611

Run in Batch: AK250611W1, Run Date: 06/11/2025 14:10, Prep Date: 06/11/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFDOS	*	135.4	70.0	130.0
NMeFOSE		100.2	70.0	130.0
NMeFOSAM		106.4	70.0	130.0
NEtFOSE		115.2	70.0	130.0
NEtFOSAM		102.2	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250611W1.LCSD250611, Parent Sample ID: AK250611W1.LCS250611

Run in Batch: AK250611W1, Run Date: 06/11/2025 14:30, Prep Date: 06/11/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		98.4	70.0	130.0	2.6	30.0
PFMPA		98.6	70.0	130.0	3.2	30.0
FPrPA (3:3 FTCA)		87.4	70.0	130.0	6.9	30.0
PFPPrS		95.2	70.0	130.0	4.1	30.0
PFPpA		87.6	70.0	130.0	5.3	30.0
PFMBA		113.8	70.0	130.0	0.2	30.0
4:2 FTSA		113.0	70.0	130.0	15.6	30.0
NFDHA		102.0	70.0	130.0	1.4	30.0
PFHxA		90.4	70.0	130.0	5.7	30.0
PFBS		89.4	70.0	130.0	0.7	30.0
HFPO-DA		105.8	70.0	130.0	7.8	30.0
FPePA (5:3 FTCA)		77.6	70.0	130.0	17.2	30.0
PFEESA		72.4	70.0	130.0	16.9	30.0
PFHpA		106.8	70.0	130.0	6.0	30.0
PFPpS		105.2	70.0	130.0	4.7	30.0
ADONA		96.0	70.0	130.0	10.3	30.0
6:2 FTSA		91.0	70.0	130.0	8.2	30.0
PFBSA		81.0	70.0	130.0	1.5	30.0
PFOA		85.8	70.0	130.0	0.0	30.0
PFHxS		110.8	70.0	130.0	11.9	30.0
FHpPA (7:3 FTCA)		102.2	70.0	130.0	8.8	30.0
PFNA		84.2	70.0	130.0	20.5	30.0
PFECHS		97.8	70.0	130.0	1.6	30.0
8:2 FTSA		120.2	70.0	130.0	1.3	30.0
PFHpS		101.0	70.0	130.0	15.6	30.0
N-MeFOSAA		110.4	70.0	130.0	0.7	30.0
PFDA		86.0	70.0	130.0	21.4	30.0
PFOS		107.2	70.0	130.0	5.1	30.0
EtFOSAA		95.6	70.0	130.0	0.2	30.0
PFHxSA		95.0	70.0	130.0	4.1	30.0
PFUnDA		101.8	70.0	130.0	4.8	30.0
9CL-PF3ONS		107.0	70.0	130.0	3.3	30.0
PFNS		105.2	70.0	130.0	5.4	30.0
PFDODA		103.8	70.0	130.0	4.7	30.0
PFDS		121.2	70.0	130.0	2.6	30.0
PFTTrDA		116.2	70.0	130.0	0.3	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250611W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK250611W1.LCSD250611, Parent Sample ID: AK250611W1.LCS250611

Run in Batch: AK250611W1, Run Date: 06/11/2025 14:30, Prep Date: 06/11/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
11CL-PF3OUdS		106.2	70.0	130.0	7.3	30.0
FOSA		101.8	70.0	130.0	2.6	30.0
PFTeDA		100.4	70.0	130.0	13.4	30.0
PFDOS	*	135.6	70.0	130.0	0.1	30.0
NMeFOSE		98.6	70.0	130.0	1.6	30.0
NMeFOSAM		113.0	70.0	130.0	6.0	30.0
NEtFOSE		106.8	70.0	130.0	7.6	30.0
NEtFOSAM		102.4	70.0	130.0	0.2	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250612W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: AK250612QC.BLK250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 15:05, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
PFBA		ND	10	ng/l
PFMPA		ND	2	ng/l
FPrPA (3:3 FTCA)		ND	10	ng/l
PFPPrS		ND	2	ng/l
PFPeA		ND	4	ng/l
PFMBA		ND	2	ng/l
4:2 FTSA		ND	2	ng/l
NFDHA		ND	2	ng/l
PFHxA		ND	2	ng/l
PFBS		ND	2	ng/l
HFPO-DA		ND	10	ng/l
FPePA (5:3 FTCA)		ND	10	ng/l
PFEESA		ND	2	ng/l
PFFHpA		ND	2	ng/l
PFPeS		ND	2	ng/l
ADONA		ND	2	ng/l
6:2 FTSA		ND	2	ng/l
PFBSA		ND	2	ng/l
PFOA		ND	2	ng/l
PFHxS-BR		ND	2	ng/l
PFHxS		ND	2	ng/l
PFHxS-LN		ND	2	ng/l
FHpPA (7:3 FTCA)		ND	10	ng/l
PFNA		ND	2	ng/l
PFECHS		ND	2	ng/l
8:2 FTSA		ND	2	ng/l
PFFHpS		ND	2	ng/l
PFDA		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
PFOS-BR		ND	2	ng/l
PFOS		ND	2	ng/l
EtFOSAA		ND	4	ng/l
PFOS-LN		ND	2	ng/l
PFHxSA		ND	2	ng/l
PFOuDA		ND	2	ng/l
9CL-PF3ONS		ND	2	ng/l
PFNS		ND	2	ng/l
PFDoDA		ND	2	ng/l
PFDS		ND	2	ng/l
PFTTrDA		ND	2	ng/l
11CL-PF3OUdS		ND	2	ng/l
FOSA		ND	2	ng/l
PFTeDA		ND	4	ng/l
PFDOS		ND	6	ng/l
NMeFOSE		ND	4	ng/l
NMeFOSAM		ND	2	ng/l

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250612W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK) (continued)

Lab Sample ID: AK250612QC.BLK250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 15:05, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
NEtFOSE		ND	4	ng/l
NEtFOSAM		ND	2	ng/l

Laboratory Control Sample (LCS)

Lab Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:25, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		100.6	70.0	130.0
PFMPA		109.6	70.0	130.0
FPrPA (3:3 FTCA)		98.0	70.0	130.0
PFPPrS		92.6	70.0	130.0
PFPeA		99.0	70.0	130.0
PFMBA		114.8	70.0	130.0
4:2 FTSA		98.8	70.0	130.0
NFDHA		103.4	70.0	130.0
PFHxA		93.6	70.0	130.0
PFBS		87.8	70.0	130.0
HFPO-DA		108.8	70.0	130.0
FPePA (5:3 FTCA)		94.0	70.0	130.0
PFEESA		84.0	70.0	130.0
PFHpA		107.2	70.0	130.0
PFPeS		103.6	70.0	130.0
ADONA		103.8	70.0	130.0
6:2 FTSA		110.0	70.0	130.0
PFBSA		82.6	70.0	130.0
PFOA		98.0	70.0	130.0
PFHxS		109.2	70.0	130.0
FHpPA (7:3 FTCA)		121.8	70.0	130.0
PFNA		94.4	70.0	130.0
PFECHS		86.0	70.0	130.0
8:2 FTSA		95.2	70.0	130.0
PFHpS		105.2	70.0	130.0
PFDA		101.0	70.0	130.0
N-MeFOSAA		96.0	70.0	130.0
PFOS		108.4	70.0	130.0
EtFOSAA		101.0	70.0	130.0
PFHxSA		98.4	70.0	130.0
PFUnDA		108.6	70.0	130.0
9CL-PF3ONS		107.4	70.0	130.0
PFNS		111.0	70.0	130.0
PFDoDA		109.4	70.0	130.0
PFDS		129.8	70.0	130.0
PFTTrDA		114.0	70.0	130.0
11CL-PF3OUdS		104.2	70.0	130.0
FOSA		97.2	70.0	130.0
PFTeDA		109.8	70.0	130.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250612W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:25, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFDOS	*	134.0	70.0	130.0
NMeFOSE		107.6	70.0	130.0
NMeFOSAM		104.6	70.0	130.0
NEtFOSE		110.2	70.0	130.0
NEtFOSAM		107.6	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250612QC.LCSD250612, Parent Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		95.4	70.0	130.0	5.3	30.0
PFMPA		109.2	70.0	130.0	0.4	30.0
FPrPA (3:3 FTCA)		90.6	70.0	130.0	7.8	30.0
PFPPrS		94.0	70.0	130.0	1.5	30.0
PFPeA		92.4	70.0	130.0	6.9	30.0
PFMBA		117.8	70.0	130.0	2.6	30.0
4:2 FTSA		94.4	70.0	130.0	4.6	30.0
NFDHA		104.2	70.0	130.0	0.8	30.0
PFHxA		100.6	70.0	130.0	7.2	30.0
PFBS		87.6	70.0	130.0	0.2	30.0
HFPO-DA		120.8	70.0	130.0	10.5	30.0
FPePA (5:3 FTCA)		98.0	70.0	130.0	4.2	30.0
PFEESA		82.2	70.0	130.0	2.2	30.0
PFHpA		112.0	70.0	130.0	4.4	30.0
PFPeS		91.0	70.0	130.0	12.9	30.0
ADONA		92.2	70.0	130.0	11.8	30.0
6:2 FTSA		104.8	70.0	130.0	4.8	30.0
PFBSA		79.4	70.0	130.0	4.0	30.0
PFOA		84.2	70.0	130.0	15.1	30.0
PFHxS		97.2	70.0	130.0	11.6	30.0
FHpPA (7:3 FTCA)		98.6	70.0	130.0	21.1	30.0
PFNA		90.0	70.0	130.0	4.8	30.0
PFECHS		90.4	70.0	130.0	5.0	30.0
8:2 FTSA		112.4	70.0	130.0	16.6	30.0
PFHpS		97.6	70.0	130.0	7.5	30.0
PFDA		96.2	70.0	130.0	4.9	30.0
N-MeFOSAA		107.8	70.0	130.0	11.6	30.0
PFOS		112.2	70.0	130.0	3.4	30.0
EtFOSAA		102.0	70.0	130.0	1.0	30.0
PFHxSA		100.8	70.0	130.0	2.4	30.0
PFUnDA		89.4	70.0	130.0	19.4	30.0
9CL-PF3ONS		96.8	70.0	130.0	10.4	30.0
PFNS		108.0	70.0	130.0	2.7	30.0
PFDODA		106.0	70.0	130.0	3.2	30.0
PFDS		117.4	70.0	130.0	10.0	30.0
PFTTrDA		116.8	70.0	130.0	2.4	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250612W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK250612QC.LCSD250612, Parent Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
11CL-PF3OUdS		110.0	70.0	130.0	5.4	30.0
FOSA		102.0	70.0	130.0	4.8	30.0
PFTeDA		104.8	70.0	130.0	4.7	30.0
PFDOS	*	141.6	70.0	130.0	5.5	30.0
NMeFOSE		98.0	70.0	130.0	9.3	30.0
NMeFOSAM		102.0	70.0	130.0	2.5	30.0
NEtFOSE		108.0	70.0	130.0	2.0	30.0
NEtFOSAM		94.2	70.0	130.0	13.3	30.0

Matrix Spike (MS)

Lab Sample ID: AK250612W1.7541933, Parent Sample ID: S75419.09

Run in Batch: AK250612W1, Run Date: 06/12/2025 20:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1.93

Analyte	Flags	% Rec	LCL	UCL
PFBA		97.4	70.0	130.0
PFPeA		95.3	70.0	130.0
4:2 FTSA		93.3	70.0	130.0
PFHxA		89.1	70.0	130.0
PFBS		82.7	70.0	130.0
PFHpA		94.3	70.0	130.0
PFPeS		99.5	70.0	130.0
6:2 FTSA		102.6	70.0	130.0
PFOA		79.8	70.0	130.0
PFHxS		101.6	70.0	130.0
PFNA		89.1	70.0	130.0
8:2 FTSA		103.6	70.0	130.0
PFHpS		93.3	70.0	130.0
PFDA		103.6	70.0	130.0
N-MeFOSAA		88.1	70.0	130.0
EtFOSAA		100.5	70.0	130.0
PFOS		114.0	70.0	130.0
PFUnDA		98.4	70.0	130.0
PFNS		101.6	70.0	130.0
PFDoDA		103.6	70.0	130.0
PFDS		114.0	70.0	130.0
PFTTrDA		114.0	70.0	130.0
FOSA		91.2	70.0	130.0
PFTeDA		97.4	70.0	130.0
11CL-PF3OUdS		103.6	70.0	130.0
9CL-PF3ONS		99.5	70.0	130.0
ADONA		87.0	70.0	130.0
HFPO-DA		90.2	70.0	130.0
FHpPA (7:3 FTCA)		103.6	70.0	130.0
FPePA (5:3 FTCA)		87.0	70.0	130.0
FPrPA (3:3 FTCA)		89.1	70.0	130.0
PFBSA		72.5	70.0	130.0
PFECHS		81.9	70.0	130.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250612W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Matrix Spike (MS) (continued)

Lab Sample ID: AK250612W1.7541933, Parent Sample ID: S75419.09

Run in Batch: AK250612W1, Run Date: 06/12/2025 20:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1.93

Analyte	Flags	% Rec	LCL	UCL
PFHxSA		86.0	70.0	130.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: AK250612W1.7541934, Parent Sample ID: AK250612W1.7541933

Run in Batch: AK250612W1, Run Date: 06/12/2025 21:05, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1.99

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		89.4	70.0	130.0	5.5	30.0
PFPeA		87.4	70.0	130.0	5.6	30.0
4:2 FTSA		81.4	70.0	130.0	10.5	30.0
PFHxA		87.4	70.0	130.0	1.2	30.0
PFBS		80.2	70.0	130.0	0.0	30.0
PFHpA		84.4	70.0	130.0	8.0	30.0
PFPeS		100.5	70.0	130.0	4.1	30.0
6:2 FTSA		87.4	70.0	130.0	12.9	30.0
PFOA		70.4	70.0	130.0	9.5	30.0
PFHxS		97.5	70.0	130.0	1.0	30.0
PFNA		94.5	70.0	130.0	8.9	30.0
8:2 FTSA		100.5	70.0	130.0	0.0	30.0
PFHpS		82.4	70.0	130.0	9.3	30.0
PFDA		94.5	70.0	130.0	6.2	30.0
N-MeFOSAA		93.5	70.0	130.0	9.0	30.0
EtFOSAA		76.4	70.0	130.0	24.3	30.0
PFOS		96.5	70.0	130.0	13.6	30.0
PFUnDA		89.4	70.0	130.0	6.5	30.0
PFNS		97.5	70.0	130.0	1.0	30.0
PFDoDA		94.5	70.0	130.0	6.2	30.0
PFDS		110.6	70.0	130.0	0.0	30.0
PFTTrDA		110.6	70.0	130.0	0.0	30.0
FOSA		89.4	70.0	130.0	1.1	30.0
PFTeDA		98.5	70.0	130.0	4.2	30.0
11CL-PF3OUdS		94.5	70.0	130.0	6.2	30.0
9CL-PF3ONS		97.5	70.0	130.0	1.0	30.0
ADONA		87.4	70.0	130.0	3.5	30.0
HFPO-DA		89.4	70.0	130.0	2.3	30.0
FHpPA (7:3 FTCA)		87.4	70.0	130.0	13.9	30.0
FPePA (5:3 FTCA)		83.4	70.0	130.0	1.2	30.0
FPrPA (3:3 FTCA)		87.4	70.0	130.0	1.2	30.0
PFBSA		74.4	70.0	130.0	5.6	30.0
PFECHS	*	69.3	70.0	130.0	6.1	30.0
PFHxSA		91.5	70.0	130.0	9.2	30.0



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C.O.C. PAGE # 1 OF 1

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REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <u>Clifford Yantze / Kevin Schneider</u>		STATE <u>MI</u>		ZIP CODE <u>48105</u>	
COMPANY <u>Ramboll</u>		P.O. NO. <u>194001180 Task 37</u>			
ADDRESS <u>2090 Common Wealth Blvd</u>		QUOTE NO. <u>—</u>			
CITY <u>Ann Arbor</u>		E-MAIL ADDRESS <u>clifford.yantze@ramboll.com kevin.schneider@ramboll.com</u>			
PHONE NO. <u>313-333-0211</u>		FAX NO. <u>—</u>		P.O. NO.	

CONTACT NAME <u>X SAME</u>	
COMPANY	
ADDRESS	
CITY	STATE ZIP CODE
PHONE NO.	FAX NO. P.O. NO.

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

PROJECT NO./NAME <u>RACER Coldwater Rd</u>		SAMPLER(S) - PLEASE PRINT/SIGN NAME <u>Savannah Thielbar</u>		SPECIAL INSTRUCTIONS/NOTES	
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER					
DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER					
MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC
# Containers & Preservatives					
MERIT LAB NO.	YEAR DATE TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE HCL HNO3 H2SO4 NaOH MeOH OTHER
7552501	6/9/25 1113	OBu-MW-11-20250609	GW	3	X
.02	6/9/25 1135	OBu-MW-23-20250609	GW	3	X
.03	6/9/25 1334	OBu-MW-28-20250609	GW	3	X
.04	6/9/25 1423	OBu-MW-22-20250609	GW	3	X
.05	6/10/25 1026	OBu-MW-24-20250610	GW	3	X
.06	6/10/25 1236	OBu-MW-9-20250610	GW	3	X
.07	6/10/25 1146	OBu-MW-13-20250610	GW	3	X
.08	6/10/25 —	Field Blank-20250610	L	2	X
ST					

RELINQUISHED BY: <u>Savannah Thielbar</u>	DATE <u>6/10/25</u>	TIME <u>1240</u>	RELINQUISHED BY:	DATE	TIME
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RECEIVED BY: <u>J. M. Chilcote</u>	DATE <u>6/10/25</u>	TIME <u>1500</u>	RECEIVED BY:	DATE	TIME
SIGNATURE/ORGANIZATION			SIGNATURE/ORGANIZATION		
RELINQUISHED BY: <u>J. M. Chilcote</u>	DATE <u>6/10/25</u>	TIME <u>1530</u>	SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SIGNATURE/ORGANIZATION			SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:				TEMP. ON ARRIVAL <u>4.6</u>	

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE



Analytical Laboratory Report

Report ID: S75576.01(01)
Generated on 06/26/2025

Report to
Attention: Clifford Yantz
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John Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary
Lab Sample ID(s): S75576.01-S75576.02
Project: RACER Coldwater Road
Collected Date(s): 06/11/2025
Submitted Date/Time: 06/11/2025 16:00
Sampled by: Lee Trumbull
P.O. #: 1940011180 TASK37

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Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

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Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
o	Associated EIS outside of control limits
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
q	Qualifier ion ratio outside of control limits
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



Analytical Laboratory Report

Method Summary

Method	Version
ASTMD7979-19M	ASTM Method D7979 - 19 Modified (Isotopic Dilution)

Parameter Summary

Parameter	Synonym	Cas #
PFBA	Perfluorobutanoic Acid	375-22-4
PFPeA	Perfluoropentanoic Acid	2706-90-3
4:2 FTSA	4:2 Fluorotelomer Sulfonic Acid	757124-72-4
PFHxA	Perfluorohexanoic Acid	307-24-4
PFBS	Perfluorobutane sulfonic Acid	375-73-5
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFPeS	Perfluoropentane Sulfonic Acid	2706-91-4
6:2 FTSA	6:2 Fluorotelomer Sulfonic Acid	27619-97-2
PFOA	Perfluorooctanoic Acid	335-67-1
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFHxS-LN	Perfluorohexane Sulfonic Acid - LN	355-46-4-LN
PFHxS-BR	Perfluorohexane Sulfonic Acid - BR	355-46-4-BR
PFNA	Perfluorononanoic Acid	375-95-1
8:2 FTSA	8:2 Fluorotelomer Sulfonic Acid	39108-34-4
PFHpS	Perfluoroheptane Sulfonic Acid	375-92-8
PFDA	Perfluorodecanoic Acid	335-76-2
N-MeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9
EtFOSAA	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	2991-50-6
PFOS	Perfluorooctane Sulfonic Acid	1763-23-1
PFOS-LN	Perfluorooctane Sulfonic Acid - LN	1763-23-1-LN
PFOS-BR	Perfluorooctane Sulfonic Acid - BR	1763-23-1-BR
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFNS	Perfluorononane Sulfonic Acid	68259-12-1
PFDoDA	Perfluorododecanoic Acid	307-55-1
PFDS	Perfluorodecane Sulfonic Acid	335-77-3
PFTTrDA	Perfluorotridecanoic Acid	72629-94-8
FOSA	Perfluorooctane Sulfonamide	754-91-6
PFTeDA	Perfluorotetradecanoic Acid	376-06-7
11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9
9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid	756426-58-1
ADONA	4,8-dioxa-3H-perfluorononanoic acid	919005-14-4
HFPO-DA	Hexafluoropropylene oxide dimer	13252-13-6
FHpPA (7:3 FTCA)	3-Perfluoroheptyl propanoic acid	812-70-4
FPePA (5:3 FTCA)	3-Perfluoropentyl propanoic acid	914637-49-3
FPrPA (3:3 FTCA)	3-Perfluoropropyl propanoic acid	356-02-5
PFBSA	Perfluorobutanesulfonamide	30334-69-1
PFECHS	Perfluoro-4-ethylcyclohexanesulfonate	80988-54-1
PFHxSA	Perfluorohexanesulfonamide	41997-13-1



Analytical Laboratory Report

Sample Summary (2 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S75576.01	OBG-MW-14-20250611	Groundwater	06/11/25 10:22
S75576.02	Field Blank-20250611	Liquid	06/11/25 00:01



Analytical Laboratory Report

Lab Sample ID: S75576.01

Sample Tag: OBG-MW-14-20250611

Collected Date/Time: 06/11/2025 10:22

Matrix: Groundwater

COC Reference: 57842

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.68/6.48/11	ASTMD7979-19M	06/12/25 12:30	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 19:45, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	18	11	2.1	ng/L	2.12	375-22-4	
PFPeA*	9.4	4.2	1.3	ng/L	2.12	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.12	757124-72-4	
PFHxA*	6.6	2.1	1.3	ng/L	2.12	307-24-4	
PFBS*	29	2.1	0.64	ng/L	2.12	375-73-5	
PFHpA*	5.2	2.1	0.85	ng/L	2.12	375-85-9	
PFPeS*	75	2.1	1.9	ng/L	2.12	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.1	ng/L	2.12	27619-97-2	
PFOA*	22	2.1	0.85	ng/L	2.12	335-67-1	
PFHxS*	190	2.1	1.1	ng/L	2.12	355-46-4	
PFHxS-LN*	160	2.1	1.1	ng/L	2.12	355-46-4-LN	
PFHxS-BR*	36	2.1	1.1	ng/L	2.12	355-46-4-BR	
PFNA*	Not detected	2.1	1.1	ng/L	2.12	375-95-1	
8:2 FTSA*	Not detected	2.1	1.3	ng/L	2.12	39108-34-4	
PFHpS*	21	2.1	0.85	ng/L	2.12	375-92-8	
PFDA*	Not detected	2.1	1.3	ng/L	2.12	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.1	ng/L	2.12	2355-31-9	
EtFOSAA*	Not detected	4.2	1.1	ng/L	2.12	2991-50-6	
PFOS*	460	2.1	0.85	ng/L	2.12	1763-23-1	
PFOS-LN*	200	2.1	0.85	ng/L	2.12	1763-23-1-LN	
PFOS-BR*	260	2.1	0.85	ng/L	2.12	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.85	ng/L	2.12	2058-94-8	
PFNS*	Not detected	2.1	1.1	ng/L	2.12	68259-12-1	
PFDODA*	Not detected	2.1	0.64	ng/L	2.12	307-55-1	
PFDS*	Not detected	2.1	1.1	ng/L	2.12	335-77-3	
PFTTrDA*	Not detected	2.1	0.85	ng/L	2.12	72629-94-8	
FOSA*	Not detected	2.1	0.85	ng/L	2.12	754-91-6	
PFTeDA*	Not detected	4.2	0.64	ng/L	2.12	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.1	ng/L	2.12	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.1	ng/L	2.12	756426-58-1	
ADONA*	Not detected	2.1	0.64	ng/L	2.12	919005-14-4	
HFPO-DA*	Not detected	11	2.1	ng/L	2.12	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	11	8.5	ng/L	2.12	812-70-4	
FPePA (5:3 FTCA)*	Not detected	11	4.2	ng/L	2.12	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	11	4.2	ng/L	2.12	356-02-5	
PFBSA*	Not detected	2.1	0.64	ng/L	2.12	30334-69-1	
PFECHS*	4,900	2.1	0.85	ng/L	2.12	80988-54-1	



Analytical Laboratory Report

Lab Sample ID: S75576.01 (continued)
Sample Tag: OBG-MW-14-20250611

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 19:45, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.1	0.64	ng/L	2.12	41997-13-1	



Analytical Laboratory Report

Lab Sample ID: S75576.02

Sample Tag: Field Blank-20250611

Collected Date/Time: 06/11/2025 00:01

Matrix: Liquid

COC Reference: 57842

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.46/6.48/10	ASTMD7979-19M	06/12/25 12:30	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 20:05, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.0	ng/L	2.01	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	2.01	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.01	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	2.01	307-24-4	
PFBS*	Not detected	2.0	0.60	ng/L	2.01	375-73-5	
PFHpA*	Not detected	2.0	0.80	ng/L	2.01	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	2.01	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.01	27619-97-2	
PFOA*	Not detected	2.0	0.80	ng/L	2.01	335-67-1	
PFHxS*	Not detected	2.0	1.0	ng/L	2.01	355-46-4	
PFHxS-LN*	Not detected	2.0	1.0	ng/L	2.01	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	1.0	ng/L	2.01	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.01	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.01	39108-34-4	
PFHpS*	Not detected	2.0	0.80	ng/L	2.01	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.01	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.01	2355-31-9	
EtFOSAA*	Not detected	4.0	1.0	ng/L	2.01	2991-50-6	
PFOS*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1	
PFOS-LN*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.80	ng/L	2.01	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.01	68259-12-1	
PFDODA*	Not detected	2.0	0.60	ng/L	2.01	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.01	335-77-3	
PFTTrDA*	Not detected	2.0	0.80	ng/L	2.01	72629-94-8	
FOSA*	Not detected	2.0	0.80	ng/L	2.01	754-91-6	
PFTeDA*	Not detected	4.0	0.60	ng/L	2.01	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.01	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.01	756426-58-1	
ADONA*	Not detected	2.0	0.60	ng/L	2.01	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.01	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.0	ng/L	2.01	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.0	ng/L	2.01	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.0	ng/L	2.01	356-02-5	
PFBSA*	Not detected	2.0	0.60	ng/L	2.01	30334-69-1	
PFECHS*	Not detected	2.0	0.80	ng/L	2.01	80988-54-1	



Analytical Laboratory Report

Lab Sample ID: S75576.02 (continued)
Sample Tag: Field Blank-20250611

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/12/25 20:05, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.0	0.60	ng/L	2.01	41997-13-1	

Merit Laboratories Login Checklist

Lab Set ID:S75576

Client:RAMBOLL (Ramboll Americas)

Project: RACER Coldwater Road

Submitted:06/11/2025 16:00 Login User: MAM

Attention: Clifford Yantz

Address: Ramboll Americas
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:
Email: Clifford.Yantz@ramboll.com

Selection	Description	Note
Sample Receiving		
01.	☒ Yes ☐ No ☐ N/A	Samples are received at 4C +/- 2C Thermometer # 4.1 IR
02.	☒ Yes ☐ No ☐ N/A	Received on ice/ cooling process begun
03.	☐ Yes ☒ No ☐ N/A	Samples shipped
04.	☐ Yes ☒ No ☐ N/A	Samples left in 24 hr. drop box
05.	☐ Yes ☐ No ☒ N/A	Are there custody seals/tape or is the drop box locked
Chain of Custody		
06.	☒ Yes ☐ No ☐ N/A	COC adequately filled out
07.	☒ Yes ☐ No ☐ N/A	COC signed and relinquished to the lab
08.	☒ Yes ☐ No ☐ N/A	Sample tag on bottles match COC
09.	☐ Yes ☒ No ☐ N/A	Subcontracting needed? Subcontacted to:
Preservation		
10.	☒ Yes ☐ No ☐ N/A	Do sample have correct chemical preservation
11.	☐ Yes ☐ No ☒ N/A	Completed pH checks on preserved samples? (no VOAs)
12.	☐ Yes ☒ No ☐ N/A	Did any samples need to be preserved in the lab?
Bottle Conditions		
13.	☒ Yes ☐ No ☐ N/A	All bottles intact
14.	☒ Yes ☐ No ☐ N/A	Appropriate analytical bottles are used
15.	☒ Yes ☐ No ☐ N/A	Merit bottles used
16.	☒ Yes ☐ No ☐ N/A	Sufficient sample volume received
17.	☐ Yes ☒ No ☐ N/A	Samples require laboratory filtration
18.	☒ Yes ☐ No ☐ N/A	Samples submitted within holding time
19.	☐ Yes ☐ No ☒ N/A	Do water VOC, TOX, DO or Alkalinity bottles contain

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____



2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

57842

REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <i>Clifford Yantz / Kevin Schneider</i>			
COMPANY <i>Ramboll</i>			
ADDRESS <i>2090 Commonwealth Blvd</i>			
CITY <i>Ann Arbor</i>	STATE <i>MI</i>	ZIP CODE <i>48105</i>	
PHONE NO. <i>313-333-0211</i>	FAX NO. <i>—</i>	P.O. NO. <i>194001180 Task 37</i>	
E-MAIL ADDRESS <i>Kevin.Schneider@ramboll.com</i> <i>Clifford.yantz@ramboll.com</i>			
QUOTE NO. <i>—</i>			

CONTACT NAME <i>X SAME</i>		
COMPANY		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.

PROJECT NO./NAME <i>RACER Coldwater Road</i>	SAMPLER(S) - PLEASE PRINT/SIGN NAME <i>Lee Trumbull Lee Trumbull</i>
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER	
DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER	

MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC
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ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO3	H2SO4	NaOH	MeOH	OTHER	# Containers & Preservatives	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME												
<i>75576.01</i>	<i>6/11/25</i>	<i>1022</i>	<i>OBG-MW-14-20250611</i>	<i>GW</i>	<i>3</i>	<i>X</i>								<i>Low-level reporting w/ estimated values</i>
<i>1026/11/25</i>	<i>—</i>		<i>Field Blank-20250611</i>	<i>L</i>	<i>2</i>	<i>X</i>								
														<i>34 PFAS List</i>

RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>Lee Trumbull Ramboll</i>	DATE <i>6/11/25</i>	TIME <i>11:40</i>
RECEIVED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE <i>6/11/25</i>	TIME <i>11:40</i>
RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE <i>6/11/25</i>	TIME <i>18:00</i>
RECEIVED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE <i>6/11/25</i>	TIME <i>16:00</i>

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:		TEMP. ON ARRIVAL <i>4.1</i>

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE



Quality Control Report

Report ID: QC-S75576-01
Generated on 06/26/2025

Report to

Attention: Clifford Yantz
Ramboll Americas
2090 Commonwealth Blvd
Ann Arbor, MI 48105

Phone: 313-333-0211 FAX:

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S75576.01-S75576.02
Project: RACER Coldwater Road
Submitted Date/Time: 06/11/2025 16:00
Sampled by: Lee Trumbull
P.O. #: 1940011180 TASK37

QC Report Sections

Cover Page (Page 1)
Analysis Summary (Pages 2-3)
Prep Batch Summary (Page 4)
Internal Standards per Lab Sample (Pages 5-6)
Internal Standards per QC Sample (Pages 7-11)
Batch QC Results (Pages 12-16)

Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S75576.01
Sample Tag: OBG-MW-14-20250611
Collected Date/Time: 06/11/2025 10:22
Matrix: Groundwater
COC Reference: 57842

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/12/25 19:45	AK250612W1	PF250612W1	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Analysis Summary

Lab Sample ID: S75576.02
Sample Tag: Field Blank-20250611
Collected Date/Time: 06/11/2025 00:01
Matrix: Liquid
COC Reference: 57842

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/12/25 20:05	AK250612W1	PF250612W1	Yes	BLK/LCS/LCSD/MS/MS

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: PF250612W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S75576.01	34 PFAs	ASTMD7979-19M	06/12/25 19:45	AK250612W1
S75576.02	34 PFAs	ASTMD7979-19M	06/12/25 20:05	AK250612W1

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75576.01

Sample Tag: OBG-MW-14-20250611

Collected Date/Time: 06/11/2025 10:22

Matrix: Groundwater

COC Reference: 57842

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250612W1, Run Date: 06/12/2025 19:45, Matrix: WW, Dilution: 2.12

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		95.6	50.0	150.0
M2-6:2FTSA		93.2	50.0	150.0
M2-8:2FTSA		85.0	50.0	150.0
M2PFTeDA		119.6	12.0	218.0
M3PFBS		88.1	50.0	150.0
M3PFHxS		105.9	50.0	150.0
M4PFHpA		103.8	50.0	150.0
M5PFHxA		107.5	50.0	150.0
M5PFPeA		98.7	50.0	150.0
M6PFDA		107.1	50.0	150.0
M7PFUnDA		103.8	50.0	150.0
M8FOSA		107.7	50.0	150.0
M8PFOA		104.2	50.0	150.0
M8PFOS		105.9	50.0	150.0
M9-PFNA		98.4	50.0	150.0
MPFBA		102.9	50.0	150.0
MPFDoDA		109.2	50.0	150.0
d3N-MeFOSAA		109.0	50.0	150.0
d5EtFOSAA		109.2	50.0	150.0
MHFPO-DA		100.1	50.0	150.0
d-N-EtFOSA-M		109.9	50.0	150.0
d-N-MeFOSA-M		103.2	50.0	150.0
d7-N-MeFOSE-M		111.0	50.0	150.0
d9-N-EtFOSE-M		106.5	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S75576.02

Sample Tag: Field Blank-20250611

Collected Date/Time: 06/11/2025 00:01

Matrix: Liquid

COC Reference: 57842

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK250612W1, Run Date: 06/12/2025 20:05, Matrix: WW, Dilution: 2.01

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		99.5	50.0	150.0
M2-6:2FTSA		98.3	50.0	150.0
M2-8:2FTSA		96.0	50.0	150.0
M2PFTeDA		98.7	12.0	218.0
M3PFBS		89.6	50.0	150.0
M3PFHxS		119.4	50.0	150.0
M4PFHpA		107.3	50.0	150.0
M5PFHxA		105.4	50.0	150.0
M5PFPeA		106.8	50.0	150.0
M6PFDA		106.3	50.0	150.0
M7PFUnDA		95.3	50.0	150.0
M8FOSA		100.4	50.0	150.0
M8PFOA		101.2	50.0	150.0
M8PFOS		109.2	50.0	150.0
M9-PFNA		113.4	50.0	150.0
MPFBA		103.8	50.0	150.0
MPFDoDA		105.7	50.0	150.0
d3N-MeFOSAA		103.2	50.0	150.0
d5EtFOSAA		96.3	50.0	150.0
MHFPO-DA		94.3	50.0	150.0
d-N-EtFOSA-M		101.0	50.0	150.0
d-N-MeFOSA-M		90.9	50.0	150.0
d7-N-MeFOSE-M		108.5	50.0	150.0
d9-N-EtFOSE-M		104.5	50.0	150.0

QC Report - Internal Standards per QC Sample

Organics - Volatiles, Prep Batch ID: PF250612W1

QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: AK250612QC.BLK250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 15:05, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		101.6	50.0	150.0
M2-6:2FTSA		103.7	50.0	150.0
M2-8:2FTSA		98.8	50.0	150.0
M2PFTeDA		88.3	12.0	218.0
M3PFBS		95.6	50.0	150.0
M3PFHxS		113.6	50.0	150.0
M4PFHpA		105.3	50.0	150.0
M5PFHxA		108.3	50.0	150.0
M5PFPeA		106.1	50.0	150.0
M6PFDA		100.6	50.0	150.0
M7PFUnDA		90.2	50.0	150.0
M8FOSA		98.5	50.0	150.0
M8PFOA		106.4	50.0	150.0
M8PFOS		118.8	50.0	150.0
M9-PFNA		110.1	50.0	150.0
MPFBA		81.2	50.0	150.0
MPFDoDA		102.3	50.0	150.0
d3N-MeFOSAA		99.1	50.0	150.0
d5EtFOSAA		97.5	50.0	150.0
MHFPO-DA		100.5	50.0	150.0
d-N-EtFOSA-M		113.2	50.0	150.0
d-N-MeFOSA-M		94.7	50.0	150.0
d7-N-MeFOSE-M		95.8	50.0	150.0
d9-N-EtFOSE-M		97.9	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample (LCS)

Lab Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:25, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		94.0	50.0	150.0
M2-6:2FTSA		84.7	50.0	150.0
M2-8:2FTSA		104.5	50.0	150.0
M2PFTeDA		84.5	12.0	218.0
M3PFBS		92.4	50.0	150.0
M3PFHxS		101.3	50.0	150.0
M4PFHpA		100.4	50.0	150.0
M5PFHxA		95.2	50.0	150.0
M5PFPeA		94.9	50.0	150.0
M6PFDA		99.7	50.0	150.0
M7PFUnDA		91.1	50.0	150.0
M8FOSA		92.6	50.0	150.0
M8PFOA		98.5	50.0	150.0
M8PFOS		102.2	50.0	150.0
M9-PFNA		103.6	50.0	150.0
MPFBA		96.7	50.0	150.0
MPFDoDA		93.7	50.0	150.0
d3N-MeFOSAA		105.5	50.0	150.0
d5EtFOSAA		89.3	50.0	150.0
MHFPO-DA		89.2	50.0	150.0
d-N-EtFOSA-M		90.5	50.0	150.0
d-N-MeFOSA-M		91.3	50.0	150.0
d7-N-MeFOSE-M		85.5	50.0	150.0
d9-N-EtFOSE-M		92.7	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250612QC.LCSD250612, Parent Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		100.0	50.0	150.0
M2-6:2FTSA		88.4	50.0	150.0
M2-8:2FTSA		96.3	50.0	150.0
M2PFTeDA		93.9	12.0	218.0
M3PFBS		92.2	50.0	150.0
M3PFHxS		105.3	50.0	150.0
M4PFHpA		103.4	50.0	150.0
M5PFHxA		94.1	50.0	150.0
M5PFPeA		102.2	50.0	150.0
M6PFDA		105.6	50.0	150.0
M7PFUnDA		98.4	50.0	150.0
M8FOSA		95.2	50.0	150.0
M8PFOA		101.2	50.0	150.0
M8PFOS		104.2	50.0	150.0
M9-PFNA		105.2	50.0	150.0
MPFBA		99.1	50.0	150.0
MPFDoDA		96.2	50.0	150.0
d3N-MeFOSAA		97.8	50.0	150.0
d5EtFOSAA		89.9	50.0	150.0
MHFPO-DA		85.8	50.0	150.0
d-N-EtFOSA-M		106.3	50.0	150.0
d-N-MeFOSA-M		96.7	50.0	150.0
d7-N-MeFOSE-M		97.2	50.0	150.0
d9-N-EtFOSE-M		94.2	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike (MS)

Lab Sample ID: AK250612W1.7541933, Parent Sample ID: S75419.09

Run in Batch: AK250612W1, Run Date: 06/12/2025 20:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1.93

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		96.1	50.0	150.0
M2-6:2FTSA		82.6	50.0	150.0
M2-8:2FTSA		94.3	50.0	150.0
M2PFTeDA		91.1	12.0	218.0
M3PFBS		99.0	50.0	150.0
M3PFHxS		117.1	50.0	150.0
M4PFHpA		118.7	50.0	150.0
M5PFHxA		111.3	50.0	150.0
M5PFPeA		104.2	50.0	150.0
M6PFDA		108.2	50.0	150.0
M7PFUnDA		96.2	50.0	150.0
M8FOSA		109.0	50.0	150.0
M8PFOA		110.9	50.0	150.0
M8PFOS		110.1	50.0	150.0
M9-PFNA		109.3	50.0	150.0
MPFBA		107.5	50.0	150.0
MPFDoDA		102.3	50.0	150.0
d3N-MeFOSAA	*	175.4	50.0	150.0
d5EtFOSAA		95.5	50.0	150.0
MHFPO-DA		100.9	50.0	150.0
d-N-EtFOSA-M		105.2	50.0	150.0
d-N-MeFOSA-M		97.9	50.0	150.0
d7-N-MeFOSE-M		109.3	50.0	150.0
d9-N-EtFOSE-M		95.8	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike Duplicate (MSD)

Lab Sample ID: AK250612W1.7541934, Parent Sample ID: AK250612W1.7541933

Run in Batch: AK250612W1, Run Date: 06/12/2025 21:05, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1.99

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		107.2	50.0	150.0
M2-6:2FTSA		102.5	50.0	150.0
M2-8:2FTSA		110.9	50.0	150.0
M2PFTeDA		107.8	12.0	218.0
M3PFBS		106.9	50.0	150.0
M3PFHxS		124.4	50.0	150.0
M4PFHpA		131.5	50.0	150.0
M5PFHxA		119.7	50.0	150.0
M5PFPeA		116.0	50.0	150.0
M6PFDA		119.0	50.0	150.0
M7PFUnDA		117.3	50.0	150.0
M8FOSA		113.5	50.0	150.0
M8PFOA		122.4	50.0	150.0
M8PFOS		127.0	50.0	150.0
M9-PFNA		116.2	50.0	150.0
MPFBA		116.6	50.0	150.0
MPFDoDA		113.3	50.0	150.0
d3N-MeFOSAA	*	163.3	50.0	150.0
d5EtFOSAA		124.6	50.0	150.0
MHFPO-DA		111.6	50.0	150.0
d-N-EtFOSA-M		116.7	50.0	150.0
d-N-MeFOSA-M		107.6	50.0	150.0
d7-N-MeFOSE-M		119.5	50.0	150.0
d9-N-EtFOSE-M		111.4	50.0	150.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250612W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK)

Lab Sample ID: AK250612QC.BLK250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 15:05, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
PFBA		ND	10	ng/l
PFMPA		ND	2	ng/l
FPrPA (3:3 FTCA)		ND	10	ng/l
PFPPrS		ND	2	ng/l
PFPeA		ND	4	ng/l
PFMBA		ND	2	ng/l
4:2 FTSA		ND	2	ng/l
NFDHA		ND	2	ng/l
PFHxA		ND	2	ng/l
PFBS		ND	2	ng/l
HFPO-DA		ND	10	ng/l
FPePA (5:3 FTCA)		ND	10	ng/l
PFEESA		ND	2	ng/l
PFFHpA		ND	2	ng/l
PFPeS		ND	2	ng/l
ADONA		ND	2	ng/l
6:2 FTSA		ND	2	ng/l
PFBSA		ND	2	ng/l
PFOA		ND	2	ng/l
PFHxS-BR		ND	2	ng/l
PFHxS		ND	2	ng/l
PFHxS-LN		ND	2	ng/l
FHpPA (7:3 FTCA)		ND	10	ng/l
PFNA		ND	2	ng/l
PFECHS		ND	2	ng/l
8:2 FTSA		ND	2	ng/l
PFFHpS		ND	2	ng/l
PFDA		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
PFOS-BR		ND	2	ng/l
PFOS		ND	2	ng/l
EtFOSAA		ND	4	ng/l
PFOS-LN		ND	2	ng/l
PFHxSA		ND	2	ng/l
PFUnDA		ND	2	ng/l
9CL-PF3ONS		ND	2	ng/l
PFNS		ND	2	ng/l
PFDoDA		ND	2	ng/l
PFDS		ND	2	ng/l
PFTTrDA		ND	2	ng/l
11CL-PF3OUdS		ND	2	ng/l
FOSA		ND	2	ng/l
PFTeDA		ND	4	ng/l
PFDOS		ND	6	ng/l
NMeFOSE		ND	4	ng/l
NMeFOSAM		ND	2	ng/l

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250612W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Blank (BLK) (continued)

Lab Sample ID: AK250612QC.BLK250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 15:05, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
NEtFOSE		ND	4	ng/l
NEtFOSAM		ND	2	ng/l

Laboratory Control Sample (LCS)

Lab Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:25, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		100.6	70.0	130.0
PFMPA		109.6	70.0	130.0
FPrPA (3:3 FTCA)		98.0	70.0	130.0
PFPPrS		92.6	70.0	130.0
PFPeA		99.0	70.0	130.0
PFMBA		114.8	70.0	130.0
4:2 FTSA		98.8	70.0	130.0
NFDHA		103.4	70.0	130.0
PFHxA		93.6	70.0	130.0
PFBS		87.8	70.0	130.0
HFPO-DA		108.8	70.0	130.0
FPePA (5:3 FTCA)		94.0	70.0	130.0
PFEESA		84.0	70.0	130.0
PFHpA		107.2	70.0	130.0
PFPeS		103.6	70.0	130.0
ADONA		103.8	70.0	130.0
6:2 FTSA		110.0	70.0	130.0
PFBSA		82.6	70.0	130.0
PFOA		98.0	70.0	130.0
PFHxS		109.2	70.0	130.0
FHpPA (7:3 FTCA)		121.8	70.0	130.0
PFNA		94.4	70.0	130.0
PFECHS		86.0	70.0	130.0
8:2 FTSA		95.2	70.0	130.0
PFHpS		105.2	70.0	130.0
PFDA		101.0	70.0	130.0
N-MeFOSAA		96.0	70.0	130.0
PFOS		108.4	70.0	130.0
EtFOSAA		101.0	70.0	130.0
PFHxSA		98.4	70.0	130.0
PFUnDA		108.6	70.0	130.0
9CL-PF3ONS		107.4	70.0	130.0
PFNS		111.0	70.0	130.0
PFDoDA		109.4	70.0	130.0
PFDS		129.8	70.0	130.0
PFTTrDA		114.0	70.0	130.0
11CL-PF3OUdS		104.2	70.0	130.0
FOSA		97.2	70.0	130.0
PFTeDA		109.8	70.0	130.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250612W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:25, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFDOS	*	134.0	70.0	130.0
NMeFOSE		107.6	70.0	130.0
NMeFOSAM		104.6	70.0	130.0
NEtFOSE		110.2	70.0	130.0
NEtFOSAM		107.6	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK250612QC.LCSD250612, Parent Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		95.4	70.0	130.0	5.3	30.0
PFMPA		109.2	70.0	130.0	0.4	30.0
FPrPA (3:3 FTCA)		90.6	70.0	130.0	7.8	30.0
PFPPrS		94.0	70.0	130.0	1.5	30.0
PFPpA		92.4	70.0	130.0	6.9	30.0
PFMBA		117.8	70.0	130.0	2.6	30.0
4:2 FTSA		94.4	70.0	130.0	4.6	30.0
NFDHA		104.2	70.0	130.0	0.8	30.0
PFHxA		100.6	70.0	130.0	7.2	30.0
PFBS		87.6	70.0	130.0	0.2	30.0
HFPO-DA		120.8	70.0	130.0	10.5	30.0
FPePA (5:3 FTCA)		98.0	70.0	130.0	4.2	30.0
PFEESA		82.2	70.0	130.0	2.2	30.0
PFHpA		112.0	70.0	130.0	4.4	30.0
PFPpS		91.0	70.0	130.0	12.9	30.0
ADONA		92.2	70.0	130.0	11.8	30.0
6:2 FTSA		104.8	70.0	130.0	4.8	30.0
PFBSA		79.4	70.0	130.0	4.0	30.0
PFOA		84.2	70.0	130.0	15.1	30.0
PFHxS		97.2	70.0	130.0	11.6	30.0
FHpPA (7:3 FTCA)		98.6	70.0	130.0	21.1	30.0
PFNA		90.0	70.0	130.0	4.8	30.0
PFECHS		90.4	70.0	130.0	5.0	30.0
8:2 FTSA		112.4	70.0	130.0	16.6	30.0
PFHpS		97.6	70.0	130.0	7.5	30.0
PFDA		96.2	70.0	130.0	4.9	30.0
N-MeFOSAA		107.8	70.0	130.0	11.6	30.0
PFOS		112.2	70.0	130.0	3.4	30.0
EtFOSAA		102.0	70.0	130.0	1.0	30.0
PFHxSA		100.8	70.0	130.0	2.4	30.0
PFUnDA		89.4	70.0	130.0	19.4	30.0
9CL-PF3ONS		96.8	70.0	130.0	10.4	30.0
PFNS		108.0	70.0	130.0	2.7	30.0
PFDODA		106.0	70.0	130.0	3.2	30.0
PFDS		117.4	70.0	130.0	10.0	30.0
PFTTrDA		116.8	70.0	130.0	2.4	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250612W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK250612QC.LCSD250612, Parent Sample ID: AK250612QC.LCS250612

Run in Batch: AK250612QC, Run Date: 06/12/2025 14:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
11CL-PF3OUdS		110.0	70.0	130.0	5.4	30.0
FOSA		102.0	70.0	130.0	4.8	30.0
PFTeDA		104.8	70.0	130.0	4.7	30.0
PFDOS	*	141.6	70.0	130.0	5.5	30.0
NMeFOSE		98.0	70.0	130.0	9.3	30.0
NMeFOSAM		102.0	70.0	130.0	2.5	30.0
NEtFOSE		108.0	70.0	130.0	2.0	30.0
NEtFOSAM		94.2	70.0	130.0	13.3	30.0

Matrix Spike (MS)

Lab Sample ID: AK250612W1.7541933, Parent Sample ID: S75419.09

Run in Batch: AK250612W1, Run Date: 06/12/2025 20:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1.93

Analyte	Flags	% Rec	LCL	UCL
PFBA		97.4	70.0	130.0
PFPeA		95.3	70.0	130.0
4:2 FTSA		93.3	70.0	130.0
PFHxA		89.1	70.0	130.0
PFBS		82.7	70.0	130.0
PFHpA		94.3	70.0	130.0
PFPeS		99.5	70.0	130.0
6:2 FTSA		102.6	70.0	130.0
PFOA		79.8	70.0	130.0
PFHxS		101.6	70.0	130.0
PFNA		89.1	70.0	130.0
8:2 FTSA		103.6	70.0	130.0
PFHpS		93.3	70.0	130.0
PFDA		103.6	70.0	130.0
N-MeFOSAA		88.1	70.0	130.0
EtFOSAA		100.5	70.0	130.0
PFOS		114.0	70.0	130.0
PFUnDA		98.4	70.0	130.0
PFNS		101.6	70.0	130.0
PFDoDA		103.6	70.0	130.0
PFDS		114.0	70.0	130.0
PFTTrDA		114.0	70.0	130.0
FOSA		91.2	70.0	130.0
PFTeDA		97.4	70.0	130.0
11CL-PF3OUdS		103.6	70.0	130.0
9CL-PF3ONS		99.5	70.0	130.0
ADONA		87.0	70.0	130.0
HFPO-DA		90.2	70.0	130.0
FHpPA (7:3 FTCA)		103.6	70.0	130.0
FPePA (5:3 FTCA)		87.0	70.0	130.0
FPrPA (3:3 FTCA)		89.1	70.0	130.0
PFBSA		72.5	70.0	130.0
PFECHS		81.9	70.0	130.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PF250612W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD/MS/MSD

Matrix Spike (MS) (continued)

Lab Sample ID: AK250612W1.7541933, Parent Sample ID: S75419.09

Run in Batch: AK250612W1, Run Date: 06/12/2025 20:45, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1.93

Analyte	Flags	% Rec	LCL	UCL
PFHxSA		86.0	70.0	130.0

Matrix Spike Duplicate (MSD)

Lab Sample ID: AK250612W1.7541934, Parent Sample ID: AK250612W1.7541933

Run in Batch: AK250612W1, Run Date: 06/12/2025 21:05, Prep Date: 06/12/2025, Matrix: WW, Dilution: 1.99

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		89.4	70.0	130.0	5.5	30.0
PFPeA		87.4	70.0	130.0	5.6	30.0
4:2 FTSA		81.4	70.0	130.0	10.5	30.0
PFHxA		87.4	70.0	130.0	1.2	30.0
PFBS		80.2	70.0	130.0	0.0	30.0
PFHpA		84.4	70.0	130.0	8.0	30.0
PFPeS		100.5	70.0	130.0	4.1	30.0
6:2 FTSA		87.4	70.0	130.0	12.9	30.0
PFOA		70.4	70.0	130.0	9.5	30.0
PFHxS		97.5	70.0	130.0	1.0	30.0
PFNA		94.5	70.0	130.0	8.9	30.0
8:2 FTSA		100.5	70.0	130.0	0.0	30.0
PFHpS		82.4	70.0	130.0	9.3	30.0
PFDA		94.5	70.0	130.0	6.2	30.0
N-MeFOSAA		93.5	70.0	130.0	9.0	30.0
EtFOSAA		76.4	70.0	130.0	24.3	30.0
PFOS		96.5	70.0	130.0	13.6	30.0
PFUnDA		89.4	70.0	130.0	6.5	30.0
PFNS		97.5	70.0	130.0	1.0	30.0
PFDoDA		94.5	70.0	130.0	6.2	30.0
PFDS		110.6	70.0	130.0	0.0	30.0
PFTTrDA		110.6	70.0	130.0	0.0	30.0
FOSA		89.4	70.0	130.0	1.1	30.0
PFTeDA		98.5	70.0	130.0	4.2	30.0
11CL-PF3OUdS		94.5	70.0	130.0	6.2	30.0
9CL-PF3ONS		97.5	70.0	130.0	1.0	30.0
ADONA		87.4	70.0	130.0	3.5	30.0
HFPO-DA		89.4	70.0	130.0	2.3	30.0
FHpPA (7:3 FTCA)		87.4	70.0	130.0	13.9	30.0
FPePA (5:3 FTCA)		83.4	70.0	130.0	1.2	30.0
FPrPA (3:3 FTCA)		87.4	70.0	130.0	1.2	30.0
PFBSA		74.4	70.0	130.0	5.6	30.0
PFECHS	*	69.3	70.0	130.0	6.1	30.0
PFHxSA		91.5	70.0	130.0	9.2	30.0



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C.O.C. PAGE # 1 OF 1

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REPORT TO

CHAIN OF CUSTODY RECORD

INVOICE TO

CONTACT NAME <i>Clifford Yantz / Kevin Schneider</i>			
COMPANY <i>Ramboll</i>			
ADDRESS <i>2090 Commonwealth Blvd</i>			
CITY <i>Ann Arbor</i>	STATE <i>MI</i>	ZIP CODE <i>48105</i>	
PHONE NO. <i>313-333-0211</i>	FAX NO. <i>—</i>	P.O. NO. <i>194001180 Task 37</i>	
E-MAIL ADDRESS <i>Kevin.Schneider@ramboll.com</i> <i>Clifford.yantz@ramboll.com</i>			
QUOTE NO. <i>—</i>			

CONTACT NAME <i>X SAME</i>		
COMPANY		
ADDRESS		
CITY	STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.

PROJECT NO./NAME <i>RACER Coldwater Road</i>	SAMPLER(S) - PLEASE PRINT/SIGN NAME <i>Lee Trumbull Lee Trumbull</i>
TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER	
DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER	

MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE	WW=WASTEWATER O=OIL	S=SOIL A=AIR	L=LIQUID W=WASTE	SD=SOLID M=MISC
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ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCL	HNO3	H2SO4	NaOH	MeOH	OTHER	# Containers & Preservatives	SPECIAL INSTRUCTIONS/NOTES
	DATE	TIME												
<i>75576.01</i>	<i>6/11/25</i>	<i>1022</i>	<i>OBG-MW-14-20250611</i>	<i>GW</i>	<i>3</i>	<i>X</i>								<i>Low-level reporting w/ estimated values</i>
<i>1026/11/25</i>	<i>—</i>		<i>Field Blank-20250611</i>	<i>L</i>	<i>2</i>	<i>X</i>								
														<i>34 PFAS List</i>

RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>Lee Trumbull Ramboll</i>	DATE <i>6/11/25</i>	TIME <i>11:40</i>
RECEIVED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE <i>6/11/25</i>	TIME <i>11:40</i>
RELINQUISHED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE <i>6/11/25</i>	TIME <i>18:00</i>
RECEIVED BY: SIGNATURE/ORGANIZATION <i>[Signature]</i>	DATE <i>6/11/25</i>	TIME <i>16:00</i>

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS
NOTES:		TEMP. ON ARRIVAL <i>4.1</i>

PLEASE NOTE: SIGNING ACKNOWLEDGES ACCEPTANCE OF TERMS & CONDITIONS ON REVERSE SIDE