ENVIRONMENT
& HEALTH

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2024 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 2024 annual per- and polyfluoroalkyl substances (PFAS) groundwater sampling event conducted in June 2024 at the Coldwater Road facility located in Flint, Michigan (Site).

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.

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 2024 Semiannual Groundwater Monitoring event. During this annual PFAS groundwater sampling event samples were collected from the following locations:

Perched Zones (Fourteen Monitoring Wells)

- B-7, B-9, 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, 2024, and June 9, 2024. 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, and B-9) were purged "dry", with a submersible Whale 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 provide by the laboratory increased from 28 to 34 constituents in 2023. The following QC samples were collected: three field duplicates, and three field (ambient) blanks. 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 potentiometric surface map was completed for the shallow wells (**Figure 2**) and for the deeper drift unit (**Figure 3**).

As discussed in the March 8, 2024, Technical Memorandum to EGLE, OBG MW-26 and OBG MW-27 were abandon and replaced in October 2023. OBG MW-26 was abandoned due to the discovery of sand pack material within the well indicating a faulty well installation. OBG MW-27 was abandoned due to the suspicion of a potentially bad seal. The replacement wells were installed approximately 10 feet northwest of the existing well locations, and the top of casing and ground surface elevations were surveyed in May 2024 prior to the sampling event.

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 2023), yet consistent with historical data.

The drift unit static water elevations were consistent with historical data and the previous gauging event (November 2023). 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** – PFAS Sample Results- Perched Monitoring Well Sampling, **Table 3** – PFAS Sample Results- Drift Monitoring Well Sampling, and **Table 4** – PFAS Sample Results- Sump and 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-11 and MW-DUP-1-06122024 (OBG MW-11), OBG MW-14 and MW-DUP-2-06122024 (OBG MW-14), and Vault C and Vault-DUP-060424 (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 2024 event in the perched zone were limited to the following:

Perfluorooctanoic Acid (PFOA) at three wells: OBG MW-11 (27 ng/l), MW-DUP-1-06122024 (OBG MW-11 (28 ng/l)), OBG MW-14 (29 ng/l), MW-DUP-2-06122024 (OBG MW-14 (28 ng/l)), and OBG MW-26R (22 ng/l);

Perfluorohexane Sulfonic Acid (PFHxS) at two wells: OBG MW-11 (310 ng/l), MW-DUP-1-06122024 (OBG MW-11 (320 ng/l)) and OBG MW-14 (170 ng/l) and MW-DUP-06122024 (170 ng/l);

Perfluorooctane Sulfonic Acid (PFOS) at seven wells: B-7, B-9, OBG MW-11, MW-DUP-1-06122024 (OBG MW-11), OBG MW-12S, OBG MW-14, MW-DUP-2-06122024 (OBG MW-14), OBG MW-17S, OBG MW-22, and OBG MW-26R with concentrations ranging up to 2,100 ng/l at OBG MW-14.

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-27 PFAS concentrations were similar to last sample collected in November 2023. The analytical result at OBG MW-27R detected PFOS at a concentration of 14 ng/l. 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 2023 event were limited to PFOA at Vault-A (12 ng/l) and Vault-E (12 ng/l) and PFOS at Vault-A (410 ng/l), Vault-C (390 ng/l), Vault-DUP-060424 (390 ng/l), and Vault-E (470 ng/l).

It is noted that one of the new PFAS analytes reported by the lab, Perfluoro-4-ethylcyclohexanesulfonate (PFECHS), was detected in several samples at concentrations similar to or greater than reported PFOS concentrations. There currently is no criterion for PFECHS.

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 2025. If you have any questions, please feel free to contact Clifford Yantz at (313) 333-0211.

Very truly yours,

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Enclosures:

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

June 3, 2024

Well ID	Top of Casing Elevation (ft)*	Depth to Water (ft)	Static Water Elevation (ft)
Landfill Monitoring Wells			
B-7	813.67	16.50	797.17
B-9	807.37	3.00	804.37
B-18A	810.99	20.44	790.55
B-19A	812.66	8.38	804.28
B-19AR	811.78	38.05	773.73
B-20D	815.13	68.77	746.36
B-21D	821.01	79.21	741.80
B-22D	822.16	83.39	738.77
B-23DR	812.09	80.01	732.08
B-24R	816.09	12.38	803.71
B-27D	812.62	74.67	737.95
B-28	816.33	4.18	812.15
OBG MW-16D	807.42	56.62	750.80
former WWTP Monitoring Wells			
OBG MW-1	811.56	4.90	806.66
OBG MW-2	813.77	7.35	806.42
OBG MW-3	810.09	4.20	805.89
OBG MW-4	812.66	5.60	807.06
OBG MW-5	816.04	7.38	808.66
OBG MW-6	815.75	11.45	804.30
OBG MW-7	813.47	7.35	806.12
OBG MW-8	817.50	9.60	807.90
OBG MW-9	809.97	3.70	806.27
OBG MW-10	811.54	--	--
Additional Site Monitoring Wells			
OBG MW-11	801.94	4.62	797.32
OBG MW-12D	797.13	46.15	750.98
OBG MW-12S	796.88	7.84	789.04
OBG MW-13	801.81	5.19	796.62
OBG MW-14	810.98	6.15	804.83
OBG MW-15D	810.68	78.70	731.98
OBG MW-17D	800.09	49.20	750.89
OBG MW-17S	800.51	10.62	789.89
OBG MW-18D	800.17	49.10	751.07
OBG MW-18S	799.32	12.72	786.60
OBG MW-19D	795.37	47.60	747.77
OBG MW-20	783.93	27.20	756.73
OBG MW-21	797.49	4.82	792.67
OBG MW-22	794.11	3.71	790.40
OBG MW-23 (D)	776.76	27.12	749.64
OBG MW-24	781.50	5.35	776.15
OBG MW-25R	786.61	5.50	781.11
OBG MW-26R	772.38	4.19	768.19
OBG MW-27R (D)	772.46	22.58	749.88
OBG MW-28	800.35	11.60	788.75
OBG MW-29 (D)	773.28	24.01	749.27
Piezometers			
PZ-3R	788.37	8.65	779.72
Peregrine Site Wells			
MW-19-13	807.85	2.40	805.45
MW-20-13	810.81	4.78	806.03
MW-15-10	808.15	75.98	732.17
MW-16-10	798.64	66.36	732.28
PFW-1	809.51	76.92	732.59

Notes

Casing elevations were provided by Norwy & Hale Surveyors and are in feet relative to National Geodetic Vertical Datum.

-- 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.

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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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		B-7	B-7 (Collocated)	B-7	B-7	B-7	B-7	B-7	B-7	B-7
	Drinking Water	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
Perfluorobutanoic Acid (PFBA)	--	--	**9.2 J**	**7.1 J**	**8.2 B**	<20	10	<9.9	<10	<9.9	**10**
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**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	--	<9.8	<2.0	<2.0	<2.1	<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**
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**
Perfluoroheptanoic Acid (PFHpA)	--	--	**2.4**	**1.6 J**	**2.3**	<9.8	<2	<2.0	**1.4 J**	<2.0	**0.86 J**
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	--	<9.8	**5.1**	**5.4**	**4.8**	**5.2**	**5.3**
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<3.8	<3.7	--	<20	<2.0	**8.6**	<2.1	**9.6**	<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**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**23**	**22 JN**	**18 B**	<19	**17**	**15**	**16**	**12**	**12**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	--	<14	**13**	**12**	**13**	**9.9**	**9.7**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	--	<9.8	**3.3**	**2.7**	**2.6**	**2.1**	**2.3**
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
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	--	<9.8	<2.0	<2.0	<2.1	<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**
Perfluorodecanoic Acid (PFDA)	--	--	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	--	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	--	<9.8	<4.1	<3.9	<4.1	<4.0	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**220**	**230**	**130**	**140**	**140**	**90**	**87**	**89**	**120**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	--	--	--	**72**	**84**	**46**	**48**	**50**	**71**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	--	--	--	**20**	**57**	**42**	**38**	**35**	**46**
Perfluoroundecanoic Acid (PFUnDA)	--	--	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	--	<9.8	<2.0	<2.0	<2.1	<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
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0	<2.1	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<2.0	<2.0	<2.0	<9.8	<2.0	<2.0	<2.1	<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
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<2.0 U	<2.0 U	<0.28	<9.8	<4.1	<3.9	<4.1	<4.0	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	--	--	<2.0	<9.9	<10	<4.0	<9.8
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 (PFECHS)	--	--	--	--	--	--	--	--	--	**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**		**367.9**	**423.4**

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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		B-9	B-9	B-9	B-9	B-9	B-9	B-9	B-9
	Drinking Water	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
Perfluorobutanoic Acid (PFBA)	--	--	**14 B**	**9.5 B**	<19	**28**	**16**	**22**	<10	**12**
Perfluoropentanoic Acid (PFPeA)	--	--	**2.2**	**1.7 J**	<9.4	**1.0 J**	**3.2 J**	**3.6 J**	<4.0	**1.9 J**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	**--**	**--**	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	**9.3**	**7.0**	<9.4	**4.3**	**9.5**	**14**	**3.9**	**4.6**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	**2.3**	**2.1**	<9.4	**2.3**	**3.6**	**2.9**	**2.1**	**2.1**
Perfluoroheptanoic Acid (PFHpA)	--	--	**4.2**	<0.24	<9.4	<2.0	**1.8 J**	**2.6**	<2.0	**1.0 J**
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	<9.4	<2.0	**1.8 J**	<2.1	<2.0	<1.3
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<3.7	--	<9.4	<2.0	**2.9 J**	<2.1	<2.0	<1.3
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**15**	**12**	<9.4	<2.0	**8.2**	**8.3**	**5.0**	**5.8**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**6.9**	**3.7 B**	<9.4	**5.1**	**6.4**	**9.1**	**5.8**	**3.8**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	**--**	**--**	<9.4	**4.2**	**5.5**	**7.7**	**4.5**	**3.0**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	**--**	**--**	<9.4	<2.0	<1.9	<2.1	<2.0	**0.67 J**
Perfluorononanoic Acid (PFNA)	**6**	**30**	<0.64	<0.26	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	**--**	**--**	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	**0.70 J**	**0.33 J**	<9.4	<2.0	<1.9	<2.1	<2.0	**0.75 J**
Perfluorodecanoic Acid (PFDA)	--	--	<0.43	<1.9	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	**--**	**--**	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	**--**	**--**	<9.4	<4.1	<3.9	<4.1	<4.0	<2.6
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**13**	**9.3**	**16**	**16**	**21**	**21**	**13**	**18**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	**--**	**--**	<9.4	<2.0	<1.9	**2.5**	<2.0	**1.4**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	**--**	**--**	**13**	**13**	**18**	**18**	**11**	**16**
Perfluoroundecanoic Acid (PFUnDA)	--	--	<0.73	<1.9	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
Perfluorononane Sulfonic Acid (PFNS)	--	--	**--**	**--**	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
Perfluorododecanoic Acid (PFDoDA)	--	--	<0.57	<1.9	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<1.2	<1.9	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
Perfluorotridecanoic Acid (PFTrDA)	--	--	<0.54	<1.9	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
Perfluorooctane Sulfonamide (FOSA)	--	--	**3.3 J H**	<0.33	<9.4	<2.0	<1.9	<2.1	<2.0	<1.3
Perfluorotetradecanoic Acid (PFTeDA)	--	--	**1.2 J B**	<0.27	<9.4	<4.1	<3.9	<4.1	<4.0	<2.6
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	<2.0	<1.9	<2.1	<2.0	<1.3
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	<2.0	<1.9	<2.1	<2.0	<1.3
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<2.0	<1.9	<2.1	<2.0	<1.3
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	--	<2.0	<9.7	<10	<4.0	<6.6
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	**--**	--	--	--	--	--	--	--	<4.0	<6.6
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	--	<4.0	<6.6
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	--	<4.0	<6.6
Perfluorobutanesulfonamide (FBSA)	**--**	--	--	--	--	--	--	--	<2.0	<1.3
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	--	**140**	**120**
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	--	<2.0	<1.3
Total Per-and Polyfluoroalkyl Substances	--	--	**72.1**	**45.6**	**16.0**	**56.7**	**74.4**	**83.5**	**169.8**	**170.0**

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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		B-18A	B-18A	B-18A	B-18A (GW-DUP-1)	B-18A	B-18A (DUP-1)
	Drinking Water	GSI	6/20/2017	6/12/2018	6/3/2019	6/3/2019	6/18/2020	6/18/2020
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	<9.5	<9.8	<2.0	<1.9
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	<0.83	**0.27 J/B**	<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	<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	<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-chloroeicosafluoro-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-dioxa-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**	**14.1**	**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.
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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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		B-19Ar	B-19Ar	B-19Ar	B-19Ar	B-24r	B-24r	B-24r	B-24r
	Drinking Water	GSI	11/30/2016	6/12/2018	6/3/2019	6/18/2020	6/20/2017	6/12/2018	5/30/2019	6/17/2020
Perfluorobutanoic Acid (PFBA)	--	--	**1.0 J**	**1.2 J/B**	<20	14 U	**14 B**	**8.9 B**	<17	18 U
Perfluoropentanoic Acid (PFPeA)	--	--	<0.98 U	**1.1 J**	<9.9	<3.8	<0.93	**2.0**	<8.5	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	<9.9	<1.9	--	--	<8.5	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	<0.78 U	<0.54	<9.9	<1.9	**3.9**	**2.7**	<8.5	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	<0.91 U	**0.28 J**	<9.9	<1.9	**3.7**	**1.5 J**	<8.5	**2.4**
Perfluoroheptanoic Acid (PFHpA)	--	--	<0.80 U	**0.33 J**	<9.9	<1.9	**1.7 J**	<0.23	<8.5	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	<9.9	<1.9	--	--	<8.5	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<3.8	--	<9.9	**5.7**	<3.6	--	<17	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**0.84 JN**	**0.93 J**	<9.9	<1.9	**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	**5.4**	**2.6 B**	<8.5	**3.3**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	<9.9	<1.9	--	--	<8.5	**2.4**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	<9.9	<1.9	--	--	<8.5	<2.0
Perfluorononanoic Acid (PFNA)	**6**	**30**	<0.65 U	<0.25	<9.9	<1.9	<0.62	<0.25	<8.5	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	<9.9	<1.9	--	--	<8.5	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	**1.0 J**	**0.31 J**	<9.9	<1.9	<0.67	<0.18	<8.5	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	<2.0	<1.9	<9.9	<1.9	<0.41	<1.9	<8.5	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	<9.9	<1.9	--	--	<8.5	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	<9.9	<3.8	--	--	<8.5	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**3.9**	**4.1**	**10**	**3.2**	**5.0**	**2.5**	<8.5	**3.8**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	--	--	<9.9	<1.9	--	--	<8.5	**3.3**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	--	--	<9.9	<1.9	--	--	<8.5	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	<2.0	<1.9	<9.9	<1.9	<0.70	<1.9	<8.5	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	<9.9	<1.9	--	--	<8.5	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<2.0	<1.9	<9.9	<1.9	<0.55	<1.9	<8.5	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<2.0	<1.9	<9.9	<1.9	<1.1	<1.9	<8.5	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<2.0	<1.9	<9.9	<1.9	<0.52	<1.9	<8.5	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<0.63 UJ	<0.33	<9.9	<1.9	**0.66 J**	<0.32	<8.5	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<2.0 U	<0.27	<9.9	<3.8	<0.19	<0.27	<8.5	<3.9
11-chloroeicosafluoro-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-dioxa-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 (FBSA)	**--**	--	--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	--	**6.7**	**9.1**	**10.0**	**22.9**	**38.3**	**23.6**	**0.0**	**27.5**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
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5) * = Monitoring well has been abandoned.
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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 GSI		B-28	B-28	B-28	B-28	OBG MW-6	OBG-MW-7	OBG MW-7
Sample Date:	Drinking Water	GSI	6/20/2017	6/12/2018	5/29/2019	6/16/2020	9/20/2018	6/20/2017	9/20/2018
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 (PFTrDA)	--	--	<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-PF3OUdS)	--	--	--	--	--	<2.0	--	--	--
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	<2.0	--	--	--
4,8-dioxa-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 (PFECHS)	**--**	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	--	**7.5**	**3.1**	**0.0**	**0.0**	**30.0**	**10.0**	**0.0**

Notes
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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.
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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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		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
	Drinking Water	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
Perfluorobutanoic Acid (PFBA)	--	--	<20	**1.4 J B**	<20	<20	24	<9.8	<10	<9.8	<10
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<0.94	<10	<10	<3.8	<3.9	<4.1	<3.9	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	<10	<0.75	<10	<10	<1.9	<2.0	<2.1	<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	**1.8 J**
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<0.76	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1	<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
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**20**	**1.1 J**	<10	<10	<1.9	<2.0	<2.1	<2.0	**1.0 J**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**70**	**5.0**	<10	<10	**3.2**	**2.4**	**3.4 1**	**2.5**	**2.7**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	**60**	--	<10	<10	**2.5**	**1.7 J**	**2.5 1**	**1.7 J**	**2.2**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	**30**	<10	<0.62	<10	<10	<1.9	<2.0	<2.1	<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
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	**30**	<0.68	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	<10	<0.42	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1 I	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	--	<10	<10	<3.8	<3.9	**3.3 J**	<3.9	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**2710**	**2.9**	<10	<10	**11**	**3.1**	**4.0**	**3.5**	**2.8**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	**1570**	--	<10	<10	**6.4**	<2.0	<2.1	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	**1270**	--	<10	<10	**3.7**	<2.0	**2.1**	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<0.71	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	--	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<0.55	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<1.1	<10	<10	<1.9	<2.0	**4.9**	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<0.52	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<0.61	<10	<10	<1.9	<2.0	<2.1	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<0.19	<10	<10	<3.8	<3.9	<4.1	<3.9	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--	<1.9	<2.0	<2.1	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	<1.9	<2.0	<2.1	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	--	<1.9	<2.0	<2.1	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	--	--	<1.9	<9.8	<10	<2.0	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	**--**	--	--	--	--	--	--	--	--	<3.9	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	--	--	<3.9	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	--	--	<3.9	<10
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	--	--	--	--	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	--	--	**32**	**35**
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	--	--	<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**

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Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		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)
	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
Perfluorobutanoic Acid (PFBA)	--	--	**29 B**	<19	**34**	**24**	**49**	**25**	**23**	**24**
Perfluoropentanoic Acid (PFPeA)	--	--	**5.7**	<9.7	**6.6**	**6.8**	**4.9**	**8.8**	**5.9**	**6.4**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	**--**	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	**29**	**17**	**19**	**16**	**17**	**15**	**13**	**14**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	**79**	**350**	**190**	**52**	**74**	**74**	**54**	**55**
Perfluoroheptanoic Acid (PFHpA)	--	--	**14**	<9.7	**8.8**	**7.3**	**7.4**	**5.5**	**4.6**	**5.5**
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	**160**	**94**	**98**	**94**	**120**	**94**	**87**	**92**
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
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**54**	**34**	**25**	**27**	**31**	**27**	**27**	**28**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**450 B**	**370**	**440**	**380**	**410 1**	**310**	**310**	**320**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	**--**	**310**	**370**	**310**	**350 1**	**260**	**260**	**270**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	**--**	**58**	**71**	**61**	**67**	**55**	**52**	**53**
Perfluorononanoic Acid (PFNA)	**6**	**30**	<0.22	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	**--**	<9.7	<2.0	<2.1	<2.0 I	<1.9	<2.0	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	**13**	<12	**13**	**9.9**	**10 1**	**8.0**	**8.1**	**8.7**
Perfluorodecanoic Acid (PFDA)	--	--	<1.6	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	**--**	<9.7	<2.0	<2.1	<2.0 I	<1.9	<2.0	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	**--**	<9.7	<3.9	<4.2	<4.0	<3.9	<4.0	<4.1
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**110**	**130**	**160**	**110**	**120**	**100**	**94**	**97**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	**--**	**19**	**26**	**18**	**17**	**16**	**14**	**16**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	**--**	**110**	**130**	**85**	**100**	**82**	**75**	**76**
Perfluoroundecanoic Acid (PFUnDA)	--	--	<1.6	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	--	**--**	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	--	<1.6	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<1.6	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
Perfluorotridecanoic Acid (PFTrDA)	--	--	<1.6	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	--	<0.28	<9.7	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<0.24	<9.7	<3.9	<4.2	<4.0	<3.9	<4.0	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.0	<2.1	<2.0	<1.9	<2.0	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	<2.0	<10	<10	<1.9	<9.9	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	**--**	--	--	--	--	--	--	<3.9	<9.9	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	<3.9	<9.9	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	<3.9	<9.9	<10
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	--	--	<1.9	<2.0	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	**2400**	**2200**	**2100**
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	<1.9	<2.0	<2.1
Total Per-and Polyfluoroalkyl Substances	--	--	**949.1**	**995.0**	**994.4**	**727.0**	**843.3**	**3067.3**	**2826.6**	**2750.6**

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Coldwater Road - Monitoring Wells - PERCHED Zone

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		OBG MW-12S	OBG MW-12S	OBG MW-12S	OBG MW-12S	OBG MW-12S	OBG MW-12S	OBG MW-12S
	Drinking Water	GSI	1/2/2019	6/5/2019	6/22/2020	6/15/2021	6/12/2022	6/13/2023	6/11/2024
Perfluorobutanoic Acid (PFBA)	--	--	<20	<19	19	<10	<10	<10	<10
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<9.5	<3.9	<4.1	<4.1	<4.0	<4.1
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	<10	<9.5	**3.7**	**4.1**	**3.9 1**	**3.4**	**2.7**
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<9.5	**5.1**	**4.6**	**5.5**	**4.0**	**3.8**
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<9.5	**5.6**	**2.1 J**	<2.1	<2.0	<2.1
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**20**	**15**	**17**	**14**	**19 1**	**14**	**13**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	**10**	**12**	**15**	**11**	**16 1**	**11**	**10**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<9.5	**2.4**	**2.3**	**2.8 1**	**2.3**	**1.8 J**
Perfluorononanoic Acid (PFNA)	**6**	**30**	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<9.5	<2.0	<2.0	<2.1 I	<2.0	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<9.5	**4.9**	**5.0**	**5.9**	**4.8**	**4.1**
Perfluorodecanoic Acid (PFDA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<9.5	<3.9	<4.1	<4.2	<4.0	<4.1
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**300**	**150**	**220**	**180**	**210**	**170**	**160**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	**50**	**23**	**42**	**32**	**39**	**36**	**31**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	**250**	**130**	**180**	**140**	**170**	**130**	**120**
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<9.5	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<9.5	<3.9	<4.1	<4.2	<4.0	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.0	<2.0	<2.1	<2.0	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	<2.0	<10	<10	<2.0	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	**--**	--	--	--	--	--	--	<4.0	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	<4.0	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	<4.0	<10
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	--	--	<2.0	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	**1000**	**740**
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	<2.0	<2.1
Total Per-and Polyfluoroalkyl Substances	--	--	**320.0**	**165.0**	**275.3**	**209.8**	**244.3**	**1196.2**	**923.6**

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.
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.
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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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		OBG MW-13	OBG MW-13	OBG MW-13	OBG MW-13	OBG MW-13	OBG MW-13	OBG MW-13
	Drinking Water	GSI	*10/19/2018*	*6/6/2019*	*6/19/2020*	*6/14/2021*	*6/10/2022*	*6/12/2023*	*6/11/2024*
Perfluorobutanoic Acid (PFBA)	--	--	<20	<19	13	<10	<10	<9.8	<9.7
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<9.7	<3.8	<4.1	<4.1	<3.9	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<9.7	**2.3**	**5.1**	<2.1	<2.0	<1.9
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorononanoic Acid (PFNA)	**6**	**30**	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorodecanoic Acid (PFDA)	--	--	<20	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<9.7	<3.8	<4.1	<4.1	<3.9	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<9.7	<1.9	<2.1	<2.1	<2.0	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<9.7	<3.8	<4.1	<4.1	<3.9	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<1.9	<2.1	<2.1	<2.0	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<1.9	<2.1	<2.1	<2.0	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<1.9	<2.1	<2.1	<2.0	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	<1.9	<10	<10	<2.0	<9.7
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	**--**	--	--	--	--	--	--	<3.9	<9.7
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	<3.9	<9.7
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	<3.9	<9.7
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	--	--	<2.0	<1.9
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	<2.0	<1.9
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	<2.0	<1.9
Total Per-and Polyfluoroalkyl Substances	--	--	**0.0**	**0.0**	**15.3**	**5.1**	**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.
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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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI: Drinking Water	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI: GSI	OBG MW-14 10/19/2018	OBG MW-14 6/6/2019	OBG MW-14 6/25/2020	OBG MW-14 6/15/2021	OBG MW-14 6/14/2022	OBG MW-14 TOPs Analysis 6/14/2022	OBG MW-14 6/14/2023	MW-DUP-061423 (OBG MW-14) 6/14/2023	OBG MW-14 6/12/2024	MW-DUP-2-06122024 (OBG MW-14) 6/12/2024
Perfluorobutanoic Acid (PFBA)	--	--	<20	<20	36	**23**	**21**	**51**	**21**	**18**	**21**	**22**
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<10	**5.5**	**6.7**	**7.1**	**51**	**8.5**	**6.1**	**6.3**	**6.1**
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
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	<10	<10	**4.9**	**5.6**	**8.3 1**	**44**	**6.0**	**4.5**	**5.0**	**4.2**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	**10**	**18**	**23**	**21**	**27**	**19**	**22**	**20**	**19**	**16**
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<10	**3.1**	**3.9**	**3.8**	**6.5**	**3.3**	**3.5**	**2.8**	**2.8**
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	**20**	**32**	**45**	**42**	**53 1**	**37**	**49**	**45**	**45**	**43**
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<10	**6.5**	<4.0	<2.1	<6.0	**12**	**10**	<2.1	<2.1
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**20**	**18**	**26**	**24**	**35**	**29**	**28**	**22**	**29**	**28**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**100**	**120**	**130**	**180**	**240 1**	**180**	**170**	**150**	**170**	**170**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	**100**	**100**	**110**	**160**	**210 1**	**150**	**150**	**130**	**150**	**150**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	**10**	**18**	**20**	**29**	**37 1**	**28**	**26**	**24**	**29**	**25**
Perfluorononanoic Acid (PFNA)	**6**	**30**	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<10	<2.0	<2.0	<2.1 I	<6.0 I	<2.0	<2.1	<2.1	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	**20**	**32**	**28**	**44**	**44 1**	**42**	**38**	**36**	**46**	**46**
Perfluorodecanoic Acid (PFDA)	--	--	<20	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<10	<2.0	<2.0	<2.1 I	<6.0	<2.0	<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
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**540**	**1100**	**1300**	**1500**	**1800**	**1300**	**1600**	**1500**	**2100**	**1700**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	**230**	**450**	**580**	**670**	**840**	**540**	**760**	**680**	**940**	**790**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	**300**	**700**	**730**	**830**	**1000**	**680**	**860**	**770**	**1200**	**920**
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<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
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<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
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<10	<2.0	<2.0	<2.1	<6.0	<2.0	<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
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<10	<4.1	<4.0	<4.2	<12	<4.0	<4.1	<4.2	<4.2
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<2.0	<2.0	<2.1	<6.0	<2.0	<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
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.0	<2.0	<2.1	<6.0	<2.0	<2.1	<2.1	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	<2.0	<10	<10	<6.0	<2.0	<2.1	<10	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	**--**	--	--	--	--	--	--	--	<4.0	<4.1	<10	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	--	<4.0	<4.1	<10	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	--	<4.0	<4.1	<10	<10
Perfluorobutanesulfonamide (FBSA)	**--**	--	--	--	--	--	--	--	<2.0	<2.1	<2.1	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	--	**5700**	**5500**	**6100**	**4900**
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	--	<2.0	<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**

Notes
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RAMBOLL

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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		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
	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
Perfluorobutanoic Acid (PFBA)	--	--	<20	<20	<20	26	27	**11**	**11**	<9.9	<10	**6.4 J**
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<9.8	<10	<3.9	<3.9	**2.0 J**	<3.9	<3.9	<4.0	<3.9
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
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	<10	<9.8	<10	<1.9	<1.9	**1.9 J**	<1.9	<2.0	<2.0	<2.0
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**
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<9.8	<10	**1.7 J**	**1.8 J**	**3.0**	**2.8**	**2.6**	**2.6**	**2.5**
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
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	<10	<9.8	<10	**1.6 J**	<1.9	**2.0**	**2.2**	**2.9**	**2.2**	**3.3**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	<10	**11**	**15**	**9.7**	**8.7**	**9.7**	**13 1**	**9.6**	**8.7**	**8.9**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	<10	**9.9**	**13**	**8.5**	**7.1**	**7.8**	**11 1**	**7.8**	**7.3**	**7.2**
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**
Perfluorononanoic Acid (PFNA)	**6**	**30**	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
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
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<9.8	<10	**5.2**	**4.7**	**3.7**	**5.0 1**	**4.2**	**2.9**	**4.6**
Perfluorodecanoic Acid (PFDA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<9.8	<10	<3.9	<3.9	<4.0	<3.9	<3.9	<4.0	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**460**	**430**	**470**	**580**	**590**	**460**	**540**	**380**	**400**	**480**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	**210**	**210**	**240**	**310**	**330**	**260**	**300**	**220**	**230**	**270**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	**250**	**220**	**240**	**290**	**280**	**200**	**240**	**160**	**170**	**190**
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<9.8	<10	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<9.8	<10	<3.9	<3.9	<4.0	<3.9	<3.9	<4.0	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	--	<1.9	<1.9	<9.9	<9.7	<2.0	<2.0	<9.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	**--**	--	--	--	--	--	--	--	--	<3.9	<4.0	<9.9
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	--	--	<3.9	<4.0	<9.9
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	--	--	<3.9	<4.0	<9.9
Perfluorobutanesulfonamide (FBSA)	**--**	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	--	--	**580**	**580**	**660**
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
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**

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

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.
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.
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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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		OBG MW-21	OBG MW-21	OBG MW-21	OBG MW-21	OBG MW-21	OBG MW-21	OBG MW-21
	Drinking Water	GSI	1/2/2019	6/4/2019	6/18/2020	6/14/2021	6/12/2022	6/14/2023	6/12/2024
Perfluorobutanoic Acid (PFBA)	--	--	<20	<20	24	<10	<9.5	<10.0	**4.1 J**
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<9.8	<4.1	<4.1	<3.8	<4.0	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	<10	<9.8	<2.1	**1.8 J**	<1.9	**1.4 J**	**1.2 J**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	<10	<9.8	**8.9**	**2.6**	**3.2 1**	**2.2**	**1.8 J**
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<9.8	**2.2**	**3.3**	**4.3 1**	**2.6**	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<9.8	<2.1	**5.7**	<1.9	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	<10	<9.8	**3.2**	**4.3**	**6.2 1**	**3.5**	**2.0**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	<10	<9.8	**1.6 J**	**2.5**	**3.4 1**	**2.0**	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<9.8	**1.8 J**	**1.7 J**	**2.8 1**	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	**30**	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<9.8	<4.1	<4.1	<1.9	<4.0	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	<10	<9.8	<2.1	<2.1	**2.1 1**	<3 X	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<3 X	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<3 X	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<9.8	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<9.8	<4.1	<4.1	<3.8	<4.0	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<2.1	<2.1	<1.9	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<2.1	<2.1	<1.9	<2.0	<2.0
4,8-dioxa-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**

Notes
1) Detections in **bold**.
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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.
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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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		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)
	Drinking Water	GSI	*1/3/2019*	*1/3/2019*	*6/6/2019*	*6/6/2019*	*6/24/2020*	*6/16/2021*	*6/16/2021*
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 (PFTrDA)	--	--	<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 (11Cl-PF3OUdS)	--	--	--	--	--	--	<2.0	<2.1	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	<2.0	<2.1	<2.0
4,8-dioxa-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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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.
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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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		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
	Drinking Water	GSI	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2023	6/12/2024
Perfluorobutanoic Acid (PFBA)	--	--	<10	**13**	<100 Y	<100 Y	**35**	<10	**8.0 J**
Perfluoropentanoic Acid (PFPeA)	--	--	<4.0	<4.1	<40 Y	<41 Y	**46 I**	<4.0	<3.8
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	<2.0	<2.1	<20 Y	<21 Y	**38**	<2.0	<1.9
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	**5.3**	**5.6**	<20 Y	<21 Y	**5.0 J**	**6.2**	**4.1**
Perfluoroheptanoic Acid (PFHpA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	**6.9**	**8.1 1**	<20 Y	<21 Y	**6.2**	**7.9**	**5.7**
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**6.0**	**7.4**	<20 Y	**18 JY**	**6.5**	**3.6**	**4.5**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**32 1**	**37 1**	**34 Y**	**33 Y**	**27**	**33**	**28**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	**27 1**	**32 1**	**27 Y**	**26 Y**	**23**	**29**	**24**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	**5.1**	**5.4**	<20 Y	<21 Y	<6.0	**3.7**	**3.4**
Perfluorononanoic Acid (PFNA)	**6**	**30**	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0 I	<2.0	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	**20**	**21**	**30 Y**	<21 Y	**18**	**17**	**20**
Perfluorodecanoic Acid (PFDA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<4.0	<4.1	<20 Y	<41 Y	<12	<4.0	<3.8
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**2300 E**	**2400 E**	**2300 Y**	**2300 Y**	**1500**	**1500**	**2000**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	**1300**	**1400**	**1300 Y**	**1300 Y**	**830**	**880**	**1200**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	**1000**	**1000**	**1000 Y**	**970 Y**	**670**	**630**	**770**
Perfluoroundecanoic Acid (PFUnDA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<4.0	<4.1	<40 Y	<41 Y	<12	<4.0	<3.8
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	<2.0	<2.1	<20 Y	<21 Y	<6.0	<2.0	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	<10	<10	<100 Y	<100 Y	<6.0	<2.0	<9.6
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	**--**	--	--	--	--	--	--	<4.0	<9.6
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	<4.0	<9.6
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	<4.0	<9.6
Perfluorobutanesulfonamide (FBSA)	**--**	--	--	--	--	--	--	<2.0	<1.9
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	**1800**	**1400**
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	<2.0	<1.9
Total Per-and Polyfluoroalkyl Substances	--	--	**2370.2**	**2492.1**	**2364.0**	**2351.0**	**1681.7**	**3367.7**	**3470.3**

Notes
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10) Light gray header is most recent sampling event result.
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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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-24	OBG MW-25* (Abandoned)	OBG MW-25* (Abandoned)
	Drinking Water	GSI	1/3/2019	6/6/2019	6/23/2020	6/10/2021	6/10/2022	6/12/2023	6/10/2024	6/5/2019	6/22/2020
Perfluorobutanoic Acid (PFBA)	--	--	<20	<20	<10	<9.8	<10.0	<10	<9.4	<20	17 U
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<10	<4.0	<3.9	<4.0	<4.0	<3.7	<10	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<10	<2.0	**11**	<2.0	<2.0	<1.9	<10	<1.9
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorononanoic Acid (PFNA)	**6**	**30**	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorodecanoic Acid (PFDA)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<10	<4.0	<3.9	<4.0	<4.0	<3.7	<10	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<10	<2.0	<2.0	<2.0	<2.0	<1.9	<10	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<10	<4.0	<3.9	<4.0	<4.0	<3.7	<10	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	--	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	--	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	--	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	<2.0	<9.8	<10	<2.0	<9.4	--	<1.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	**--**	--	--	--	--	--	--	<4.0	<9.4	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	<4.0	<9.4	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	<4.0	<9.4	--	--
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	--	--	<2.0	<1.9	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	**1.3 J**	<1.9	--	--
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	<2.0	<1.9	--	--
Total Per-and Polyfluoroalkyl Substances	--	--	**0.0**	**0.0**	**0.0**	**11.0**	**0.0**	**1.3**	**0.0**	**0.0**	**17.0**

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: / Sample Date:	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
	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
Perfluorobutanoic Acid (PFBA)	--	--	**25**	48	**13**	**27**	<30	**15**	**48**	**41**
Perfluoropentanoic Acid (PFPeA)	--	--	**79**	**53**	**26**	**43**	**120 I**	**23**	**64**	**37**
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
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	**64**	**43**	**25**	**34**	**92**	**23**	**46**	**20**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	<9.9	**5.4**	**4.7**	**4.7 1**	<6.0	**4.5**	**6.4**	**5.4**
Perfluoroheptanoic Acid (PFHpA)	--	--	**11**	**7.5**	**4.7**	**6.1**	**9.7**	**3.4**	**12**	**5.4**
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<9.9	**8.5**	**6.3**	**9.9**	**7.1**	**7.7**	**9.8**	**9.2**
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
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**41**	**32**	**31**	**37**	**23**	**21**	**48**	**22**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**40**	**34**	**33**	**41 1**	**39**	**41**	**38**	**38**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	**36**	**31**	**29**	**36 1**	**33**	**36**	**33**	**33**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<9.9	**3.1**	**3.7**	**4.4**	<6.0	**4.3**	**4.7**	**2.7**
Perfluorononanoic Acid (PFNA)	**6**	**30**	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0
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
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	**18**	**12**	**11**	**13**	**12**	**13**	**16**	**10**
Perfluorodecanoic Acid (PFDA)	--	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<9.9	<1.9	<2.0	<2.1	<6.0 I	<1.9	<2.1	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<9.9	<3.8	<4.0	<4.1	<12 I	<3.9	<4.1	<4.1
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**490**	**530**	**490**	**560**	**380**	**440**	**290**	**270**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	**170**	**190**	**190**	**200**	**150**	**150**	**53**	**56**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	**320**	**330**	**300**	**360**	**220**	**280**	**240**	**210**
Perfluoroundecanoic Acid (PFUnDA)	--	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<9.9	<1.9	<2.0	**2.6**	<6.0	<1.9	<2.1	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<9.9	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<9.9	<1.9	<2.0	<2.1	<6.0 I	<1.9	<2.1	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<9.9	<3.8	<4.0	<4.1	<12	<3.9	<4.1	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	<1.9	<2.0	<2.1	<6.0	<1.9	<2.1	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	<1.9	<10	<10	<6.0	<1.9	<2.1	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	**--**	--	--	--	--	--	--	<3.9	<4.1	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	<3.9	<4.1	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	<3.9	<4.1	<10
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	--	--	<1.9	<2.1	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	**1200**	**1100**	**1100**
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	<1.9	<2.1	<2.0
Total Per-and Polyfluoroalkyl Substances	--	--	**768.0**	**773.4**	**644.7**	**778.3**	**682.8**	**1791.6**	**1670.9**	**1670.9**

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

Notes
1) Detections in **bold**.
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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.
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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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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		PZ-1	PZ-1	PZ-1	PZ-3* (Abandoned)	PZ-3* (Abandoned)	PZ-3* (Abandoned)
	Drinking Water	GSI	*1/2/2019*	*6/6/2019*	*6/23/2020*	*1/3/2019*	*6/5/2019*	*6/24/2020*
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-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<1.9	--	--	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<1.9	--	--	<1.9
4,8-dioxa-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**	**19.6**	**380.0**	**705.0**	**986.9**

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: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI		MW-4-02* (Abandoned)	MW-18-13* (Abandoned)	MW-19-13	MW-19-13
	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-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--
4,8-dioxa-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 (PFECHS)	**--**	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	--	**9.8**	**44.4**	**179.8**	**65.1**

Notes
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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.

RAMBOLL

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: / Sample Date:	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)
	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 (PFTrDA)	--	--	<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-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--	--	--
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	--	--
4,8-dioxa-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 (PFECHS)	--	--	**--**	**--**	**--**	**--**	**--**	**--**
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) 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: / Sample Date:	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
	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
Perfluorobutanoic Acid (PFBA)	--	--	**2.0 B**	**0.47 J/B**	**12**	<10	<10	<10	<10	<9.8
Perfluoropentanoic Acid (PFPeA)	--	--	<0.95	**0.26 J**	<3.9	<4.1	<4.1	<4.0	<4.1	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	<2.0	<2.1	<2.1	<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
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	<0.88	<0.18	<2.0	<2.1	<2.1	<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
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	<2.0	<2.1	<2.1	<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
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	<0.72	<0.78	<2.0	<2.1	<2.1	<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
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	<2.0	<2.1	<2.1	<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
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	<2.0	<2.1	<2.1	<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
Perfluorodecanoic Acid (PFDA)	--	--	<0.42	<1.8	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	<3.9	<4.1	<4.1	<4.0	<4.1	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	<1.2	<0.49	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	--	--	<2.0	<2.1	<2.1	<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
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	<2.0	<2.1	<2.1	<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
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<1.2	<1.8	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<0.53	<1.8	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	--	--	<2.0	<2.1	<2.1	<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
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	<2.0	<10	<10	<10	<4.1	<9.8
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	**--**	**--**	**--**	**--**	**--**	**--**	<4.1	<9.8
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	**--**	**--**	**--**	**--**	**--**	**--**	<4.1	<9.8
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	**--**	**--**	**--**	**--**	**--**	**--**	<4.1	<9.8
Perfluorobutanesulfonamide (PFBSA)	--	--	**--**	**--**	**--**	**--**	**--**	**--**	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	**--**	**--**	**--**	**--**	**--**	**--**	<2.0	<2.0
Perfluorohexanesulfonamide (PFHxSA)	--	--	**--**	**--**	**--**	**--**	**--**	**--**	<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**

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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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: / Sample Date:	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
	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 (PFTrDA)	--	--	<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-chloroeicosafluoro-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-dioxa-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**	**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.
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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 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: / Sample Date:	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**	<1.9	<1.7	<1.7	<10	<10	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	--	<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 (PFTrDA)	--	--	<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-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--	--	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	--	<2.0
4,8-dioxa-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 (PFECHS)	--	--	--	--	--	--	--	--
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) 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: / Sample Date:	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 (11Cl-PF3OUdS)	--	--	--	--	<1.9	--	--	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<1.9	--	--	<2.0
4,8-dioxa-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.
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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 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: / Sample Date:	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	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 (PFTrDA)	--	--	<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-chloroeicosafluoro-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-dioxa-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.
13) E - Concentration exceeds calibration 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 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: / Sample Date:	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
	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	<2.0	<0.91 U	<0.90 U	<0.19	<1.9
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<2.0	<0.79 U	<0.79 U	<0.24	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<2.0	--	--	--	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<10	<2.0	<3.8	<3.7	--	<1.9
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	<10	<2.0	<0.74 U	<0.73 U	<0.80	<1.9
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	<10	<2.0	<0.86 U	<0.85 U	**0.30 J/B**	<1.9
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	<10	<2.0	--	--	--	<1.9
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<2.0	--	--	--	<1.9
Perfluorononanoic Acid (PFNA)	**6**	**30**	<10	<2.0	<0.65 U	<0.64 U	<0.26	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<10	<2.0	--	--	--	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<2.0	<0.71 U	<0.70 U	<0.18	<1.9
Perfluorodecanoic Acid (PFDA)	--	--	<10	<2.0	<0.44	<0.43	<0.29	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<2.0	--	--	--	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<4.0	--	--	--	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	<10	<2.0	<1.3 U	<1.3 U	<0.51	<1.9
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	<10	<2.0	--	--	--	<1.9
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	<10	<2.0	--	--	--	<1.9
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<2.0	<0.74	<0.73	<1.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<2.0	--	--	--	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<2.0	<0.58	<0.57	<0.52	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<2.0	<2.0 U	<2.0 U	<1.9	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<2.0	<2.0	<2.0	<1.9	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<2.0	<2.0	<2.0	<1.9	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<4.0	**0.42 J B**	**0.50 J B**	<0.27	<3.9
11-chloroeicosafluoro-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-dioxa-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.
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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: / Sample Date:	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
	Drinking Water	GSI	1/3/2019	6/4/2019	6/23/2020	6/14/2021	6/13/2022	6/13/2023	6/11/2024
Perfluorobutanoic Acid (PFBA)	--	--	<20	<19	22 U	<11	<10	<10	<10.0
Perfluoropentanoic Acid (PFPeA)	--	--	<10	<9.7	<4.1	<4.2	<4.1	<4.0	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<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
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	**30**	<10	<9.7	<2.1	<2.1	<2.1	<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
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<10	<9.7	<4.1	<4.2	<4.1	<4.0	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<10	<9.7	<2.1	<2.1	<2.1	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<10	<9.7	<4.1	<4.2	<4.1	<4.0	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<2.1	<2.1	<2.1	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	<2.1	<2.1	<2.1	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.1	<2.1	<2.1	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	<2.1	<11	<10	<4.0	<10.0
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	<4.0	<10.0
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	<4.0	<10.0
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	<4.0	<10.0
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	<2.0	<2.0
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	<2.0	<2.0
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) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

RAMBOLL

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: / Sample Date:	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
	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
Perfluorobutanoic Acid (PFBA)	--	--	<20	<20	33 U	<10	**35**	<10	**16**	**4.9 J**	**5.1 J**
Perfluoropentanoic Acid (PFPeA)	--	--	**19**	<10	**3.3 J**	**5.6**	**46**	<4.0	**21**	<3.9	<3.8
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
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	**18**	<10	**3.5**	**5.6**	**35**	**2.1**	**19**	**1.9 J**	**2.1**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	**12**	**12**	**18**	**15**	**5.0**	**10**	**5.9**	**8.3**	**8.8**
Perfluoroheptanoic Acid (PFHpA)	--	--	<9.9	<10	<1.9	<2.0	**4.4 1**	<2.0	**3.3**	<2.0	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	**17**	**18**	**21**	**16**	**9.2**	**17**	**8.0**	**14**	**16**
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
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**12**	<10	**5.6**	**4.7**	**15**	**3.4**	**11**	**4.8**	**5.2**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**41**	**40**	**40**	**38**	**42 1**	**38**	**36**	**35**	**30**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	**31**	**30**	**28**	**28**	**38 1**	**29**	**32**	**27**	**22**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	**10**	<10	**9.7**	**9.4**	**3.3**	**8.5**	**3.6**	**8.2**	**7.4**
Perfluorononanoic Acid (PFNA)	**6**	**30**	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
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
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<9.9	<10	**1.9**	**2.6**	**15**	**2.7**	**12**	**1.4 J**	<1.9
Perfluorodecanoic Acid (PFDA)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<9.9	<10	<3.9	<4.0	<3.9	<4.0	<3.9	<3.9	<3.8
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**25**	**18**	**28**	**84**	**480**	**68**	**450**	**14**	**14**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	<9.9	<10	**3.5**	**17**	**130**	**22**	**250**	<2.0	<1.9
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	**20**	**18**	**24**	**66**	**350**	**46**	**200**	**13**	**13**
Perfluoroundecanoic Acid (PFUnDA)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<9.9	<10	<3.9	<4.0	<3.9	<4.0	<3.9	<3.9	<3.8
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	<9.9	<10	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	<9.9	<10	<1.9	<10	<9.8	<10	<2.0	<2.0	<9.6
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<3.9	<9.6
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<3.9	<9.6
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<3.9	<9.6
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<2.0	<2.0	<1.9
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	**1100**	**970**	**1000**
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<2.0	<2.0	<1.9
Total Per-and Polyfluoroalkyl Substances	--	--	**144.0**	**88.0**	**121.3**	**175.9**	**651.6**	**141.2**	**566.2**	**1083.7**	**1083.7**

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.
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.

RAMBOLL

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: / Sample Date:	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	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	1/3/2019	6/4/2019	6/23/2020
Perfluorobutanoic Acid (PFBA)	--	--	<10	<11	<14 X	<9.8	<10.0	<10	<20	<19	<10
Perfluoropentanoic Acid (PFPeA)	--	--	<4.0	<4.3	<3.8	<3.9	**1.4 J**	<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	<10	<9.6	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	**2.2**	**2.4**	<1.9	**4.6**	**2.0**	**2.6**	<10	<9.6	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	**17**	**8.7**	**15**	**17**	**12**	**9.8**	<10	<9.6	<4.1 X
Perfluoroheptanoic Acid (PFHpA)	--	--	<2.0	<2.1	<1.9	**1.5 J**	<2.0	<2.1	<10	<9.6	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	**18**	**12**	**21**	**24 1**	**19**	**16**	<10	<9.6	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<2.0	**3.3 J**	<1.9	<2.0	<2.0	<2.1	<10	<9.6	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	<2.0	**2.8**	<1.9	<2.0	**2.9**	**3.6**	<10	<9.6	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**27**	**22**	**37 1**	**38 1**	**29**	**27**	<10	<9.6	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	**20**	**16**	**25 1**	**26 1**	**20**	**19**	<10	<9.6	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	**6.7**	**5.9**	**12**	**12**	**7.9**	**8.1**	<10	<9.6	<2.0
Perfluorononanoic Acid (PFNA)	**6**	**30**	<2.0	<2.1	<1.9	<2.0	<2.0	<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	<10	<9.6	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<10	<9.6	<2.0
Perfluorodecanoic Acid (PFDA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<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	<10	<9.6	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<4.0	<4.3	<3.8	<3.9	<4.0	<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	<10	<9.6	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<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	<10	<9.6	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<10	<9.6	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<10	<9.6	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<10	<9.6	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<10	<9.6	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<10	<9.6	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	<10	<9.6	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<2.0	<4.3	<3.8	<3.9	<4.0	<4.1	<10	<9.6	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	--	--	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	--	--	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	<2.0	<2.1	<1.9	<2.0	<2.0	<2.1	--	--	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	<2.0	<11	<9.6	<9.8	<2.0	<10	--	--	<2.0
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	<4.0	<10	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	<4.0	<10	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	<4.0	<10	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	<2.0	<2.1	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	**940**	**900**	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	<2.0	<2.1	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	--	**64.2**	**51.2**	**76.0**	**88.8**	**66.3**	**59.0**	**0.0**	**0.0**	**0.0**

Notes
1) Detections in **bold**.
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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 4
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Sump and Vault Samples

Coldwater Rd - SUMP and VAULT Samples

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		SUMP A	SUMP B	SUMP C	SUMP D	SUMP E	SUMP F
	Drinking Water	GSI	6/19/2017	6/19/2017	6/19/2017	11/29/2016	6/19/2017	6/19/2017
Perfluorobutanoic Acid (PFBA)	--	--	**220 B**	**480 B**	**490 B**	**440 J**	**48 B**	**260 B**
Perfluoropentanoic Acid (PFPeA)	--	--	**260**	**410**	**1100 CI**	**300 J**	**86**	**330**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	--	--	--	--
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	**110**	**280**	**390**	**99 JN**	**65**	**150**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	**310 CI**	**190 J**	**410**	**74**	**57**	**100**
Perfluoroheptanoic Acid (PFHpA)	--	--	<0.78	**17**	**80**	**24**	**77**	**67**
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	--	--	--	--
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	--	--	--	--	--
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**54**	**230**	**230**	**130 JN**	**95**	**80**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**410**	**650**	**1200**	**370**	**170**	**390**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	--	--	--	--
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	--	--	--	--
Perfluorononanoic Acid (PFNA)	**6**	**30**	<0.64	**29 CI**	**18**	**7.1 JN**	**21**	**9.7**
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	--	--	--	--
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	**150**	**140**	**200**	**83**	**55**	**82**
Perfluorodecanoic Acid (PFDA)	--	--	<0.43	<0.43	<0.43	<4.2	**1.6 J**	**1.0 J**
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	--	--	--	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	--	--	--	--	--
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**13000**	**9600**	**12000**	**5800**	**3400**	**5400**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	--	--	--	--	--	--
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	--	--	--	--	--	--
Perfluoroundecanoic Acid (PFUnDA)	--	--	<0.73	<0.73	<0.73	<7.2	**1.7 J**	<0.74
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	--	--	--	--
Perfluorododecanoic Acid (PFDoDA)	--	--	<0.57	<0.57	<0.57	<19	**<0.57**	<0.57
Perfluorodecane Sulfonic Acid (PFDS)	--	--	**4.3**	**2.6**	**1.9**	<12	**1.2 J**	<1.2
Perfluorotridecanoic Acid (PFTrDA)	--	--	<0.54	<0.54	<0.54	<19	**<0.53**	<0.54
Perfluorooctane Sulfonamide (FOSA)	--	--	**8.1 J B**	**6.1 J B**	**8.2 J B**	<6.1	**4.7 J B**	**6.1 J B**
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<0.19	**0.37 J B**	<0.19	<1.9	**0.21 J B**	<0.20
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	--	--	--
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	--	--	--	--	--
4,8-dioxa-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 (PFECHS)	--	--	**--**	**--**	**--**	**--**	**--**	**--**
Perfluorohexanesulfonamide (PFHxSA)	--	--	**--**	**--**	**--**	**--**	**--**	**--**
Total Per-and Polyfluoroalkyl Substances	--	--	**14526.4**	**12035.1**	**16128.1**	**7327.1**	**4083.4**	**6875.8**

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

RAMBOLL

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

Coldwater Rd - SUMP and 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 B
Sample Date:	Drinking Water	GSI	6/19/2017	6/12/2018	6/25/2020	6/16/2021	6/6/2022	6/6/2023	6/4/2024	6/19/2017
Perfluorobutanoic Acid (PFBA)	--	--	**18 B**	**13 B**	30	<10	**12**	<9.8	**16**	**4.6 B**
Perfluoropentanoic Acid (PFPeA)	--	--	**1.9**	**3.1**	<4.0	**1.7 J**	<3.9	**1.7 J**	**2.7 J**	<0.98
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	--	<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**	**0.79 J**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	**9.3**	**8.5**	**5.4**	**5.2**	**4.9**	**5.7**	**6.9**	**4.1**
Perfluoroheptanoic Acid (PFHpA)	--	--	**4.4**	**3.4**	**1.7 J**	<2.0	**2.3**	**1.5 J**	**1.7 J**	<0.79
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	--	**6.8**	**6.9**	**9.5**	**6.9**	**9.5**	--
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	--	<2.0	<4.0	<2.0	<2.0	<2.0	--
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**16**	**15**	**9.7**	**7.4**	**4.8**	**6.3**	**12**	**4.1**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**32**	**27 B**	**21**	**18**	**19**	**21**	**27**	**12**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	--	**17**	**15**	**15**	**18**	**22**	--
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	--	**3.1**	**3.0**	**3.2**	**3.5**	**5.0**	--
Perfluorononanoic Acid (PFNA)	**6**	**30**	<0.64	<0.24	<2.0	<2.0	<2.0	<2.0	<2.0	<0.65
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	--	<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**	**2.4**
Perfluorodecanoic Acid (PFDA)	--	--	<0.43	<0.28	<2.0	<2.0	<2.0	**2.3**	<2.0	<0.44
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	--	<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	--
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**450**	**460**	**430**	**410**	**360**	**370**	**410**	**150**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	--	--	**220**	**200**	**180**	**200**	**210**	--
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	--	--	**220**	**200**	**180**	**170**	**210**	--
Perfluoroundecanoic Acid (PFUnDA)	--	--	<0.73	<0.98	<2.0	<2.0	<2.0	<2.0	<2.0	<0.74
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	--
Perfluorododecanoic Acid (PFDoDA)	--	--	<0.57	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<0.58
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<1.2	<0.29	<2.0	<2.0	<2.0	<2.0	<2.0	<1.2
Perfluorotridecanoic Acid (PFTrDA)	--	--	<0.54	<1.8	<2.0	<2.0	<2.0	<2.0	<2.0	<0.55
Perfluorooctane Sulfonamide (FOSA)	--	--	<0.62	<0.31	<2.0	<2.0	<2.0	<2.0	<2.0	<0.63
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<0.19	**0.45 J**	<4.0	<4.0	<3.9	<3.9	<4.1	<0.20
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	<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	--
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	--
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	--	<2.0	<10	<9.9	<3.9	<10	--
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	**--**	**--**	**--**	**--**	**--**	<3.9	<10	**--**
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	**--**	**--**	**--**	**--**	**--**	<3.9	<10	**--**
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	**--**	**--**	**--**	**--**	**--**	<3.9	<10	**--**
Perfluorobutanesulfonamide (PFBSA)	--	--	**--**	**--**	**--**	**--**	**--**	<2.0	<2.0	**--**
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	**--**	**--**	**--**	**--**	**--**	**1100**	**1600**	**--**
Perfluorohexanesulfonamide (PFHxSA)	--	--	**--**	**--**	**--**	**--**	**--**	<2.0	<2.0	**--**
Total Per-and Polyfluoroalkyl Substances	--	--	**543.7**	**541.7**	**513.2**	**456.0**	**420.2**	**1523.6**	**2096.7**	**178.0**

Notes
1) Detections in **bold**.
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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.
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TABLE 4
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results - Sump and Vault Samples

Coldwater Rd - SUMP and VAULT Samples

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		Vault C	Vault C	Vault C (DUP-1)	Vault C	Vault C	Vault-DUP-061621 (Vault-C)
	Drinking Water	GSI	6/19/2017	6/12/2018	6/12/2018	6/25/2020	6/16/2021	6/16/2021
Perfluorobutanoic Acid (PFBA)	--	--	**19 B**	**13 B**	**13 B**	34	**13**	**14**
Perfluoropentanoic Acid (PFPeA)	--	--	<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**	--	**6.0**	**2.4**	**2.4**	**1.9 J**	**2.8**	**2.3**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	<0.88	**7.4**	**4.7**	**5.5**	**6.1**	**5.6**
Perfluoroheptanoic Acid (PFHpA)	--	--	**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**	**12**	**12**	**12**	**9.0**	**7.7**	**8.6**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	<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**	<0.62	<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)	--	--	<0.68	**6.0**	**5.6**	**4.0**	**5.1**	**5.3**
Perfluorodecanoic Acid (PFDA)	--	--	<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**	**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)	--	--	<0.71	<1.1	<1.1	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	--	--	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	--	<0.56	<1.9	<1.9	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<1.2	<0.31	<0.31	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	--	<0.53	<1.9	<1.9	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	--	<0.61	**0.65 J**	**0.71 J**	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	--	**0.21 J B**	<0.28	<0.28	<4.0	<4.0	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	--	--	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-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	--	--	**480.5**	**444.9**	**462.0**	**509.0**	**458.3**	**451.1**

Notes
1) Detections in **bold**.
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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.
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RAMBOLL

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

Coldwater Rd - SUMP and VAULT Samples

Perfluorinated Compound / Well/Sample ID: / Sample Date:	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 D	Vault E	Vault E (DUP-1)
	Drinking Water	GSI	6/7/2022	6/7/2022	6/6/2023	6/6/2023	6/4/2024	6/4/2024	6/19/2017	6/19/2017	6/19/2017
Perfluorobutanoic Acid (PFBA)	--	--	**13**	**15**	**12**	<9.9	**14**	**15**	**5.3 B**	**8.6 B**	**8 B**
Perfluoropentanoic Acid (PFPeA)	--	--	<4.2	<4.2	**1.3 J**	**1.3 J**	<4.0	**2.1 J**	**6.5**	<0.96	**4.7**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	--	--	--
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	**3.2**	**3.2**	**1.6 J**	**1.9 J**	**2.3**	**2.1**	<0.80	**6.5**	**6.3**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	**5.8**	**5.1**	**4.7**	**5.9**	**4.3**	**4.5**	**11**	**13**	**12**
Perfluoroheptanoic Acid (PFHpA)	--	--	**1.7 J**	**2.2**	<2.0	<2.0	**0.83 J**	<2.0	**0.96 J**	**5.5**	**5.3**
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	**7.5**	**6.4**	**5.4**	**5.9**	**4.7**	**6.1**	--	--	--
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	--	--	--
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**7.9**	**5.6**	**8.3**	**7.6**	**7.9**	**8.6**	**9.9**	**24**	**25**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**23**	**17**	**16**	**17**	**17**	**20**	**33**	**65**	**63**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	**18**	**13**	**13**	**14**	**14**	**16**	--	--	--
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	**3.8**	**3.9**	**2.9**	**3.2**	**3.0**	**3.5**	--	--	--
Perfluorononanoic Acid (PFNA)	**6**	**30**	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<0.67	<0.63	**0.64 J**
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	--	--	--
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	**5.1**	**4.4**	**5.2**	**4.5**	**4.5**	**5.4**	**8.4**	**15**	**15**
Perfluorodecanoic Acid (PFDA)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<0.45	<0.43	<0.43
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	--	--	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	<4.2	<4.2	<4.1	<4.0	<4.0	<4.0	--	--	--
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**390**	**340**	**360**	**330**	**390**	**390**	**350**	**730**	**730**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	**220**	**180**	**200**	**180**	**230**	**220**	--	--	--
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	**160**	**150**	**160**	**150**	**170**	**180**	--	--	--
Perfluoroundecanoic Acid (PFUnDA)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<0.76	<0.72	<0.74
Perfluorononane Sulfonic Acid (PFNS)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	--	--	--
Perfluorododecanoic Acid (PFDoDA)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<0.59	<0.56	<0.57
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<1.2	<1.2	<1.2
Perfluorotridecanoic Acid (PFTrDA)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<0.56	<0.53	<0.54
Perfluorooctane Sulfonamide (FOSA)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	**1.1 J**	<0.65	**3.5 J H**	**16 J B**
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<4.2	<4.2	<4.1	<4.0	<4.0	<4.0	**0.25 J B**	<0.19	**0.43 J B**
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	--	--	--
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	--	--	--
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	--	--	--
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	<10	<10	<4.1	<4.0	<9.9	<10	--	--	--
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	**--**	**--**	<4.1	<4.0	<9.9	<10	**--**	**--**	**--**
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	**--**	**--**	<4.1	<4.0	<9.9	<10	**--**	**--**	**--**
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	**--**	**--**	<4.1	<4.0	<9.9	<10	**--**	**--**	**--**
Perfluorobutanesulfonamide (PFBSA)	--	--	**--**	**--**	<2.0	<2.0	<2.0	<2.0	**--**	--	**--**
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	**--**	**--**	**970**	**920**	**1100**	**1100**	**--**	**--**	**--**
Perfluorohexanesulfonamide (PFHxSA)	--	--	**--**	**--**	<2.0	<2.0	<2.0	<2.0	**--**	**--**	**--**
Total Per-and Polyfluoroalkyl Substances	--	--	**457.2**	**398.9**	**414.5**	**374.1**	**445.5**	**454.9**	**425.3**	**871.1**	**886.4**

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.

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

Coldwater Rd - SUMP and VAULT Samples

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria / Rule 57 Surface Water Quality Values		Vault E	Vault E	Vault E	Vault E	Vault E	Vault E	Vault F
	Drinking Water	GSI	6/12/2018	6/25/2020	6/16/2021	6/7/2022	6/7/2023	6/4/2024	6/19/2017
Perfluorobutanoic Acid (PFBA)	--	--	**6.3 B**	24	<10.0	<10.0	<10.0	**6.0 J**	**6.8 B**
Perfluoropentanoic Acid (PFPeA)	--	--	**4.1**	**2.6 J**	**2.8 J**	**1.6 J**	**1.9 J**	**2.0 J**	**15**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	--
Perfluorohexanoic Acid (PFHxA)	**400,000**	--	**4.5**	**2.5**	**2.4**	**2.0 J**	**2.9**	**2.5**	**13**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**670,000**	**11**	**7.6**	**9.0**	**7.4**	**9.5**	**6.1**	**12**
Perfluoroheptanoic Acid (PFHpA)	--	--	**4.1**	**2.6**	**1.7 J**	**2.2**	**2.9**	**1.2 J**	**12**
Perfluoropentane Sulfonic Acid (PFPeS)	--	--	--	**12**	**11**	**8.4**	**14**	**8.5**	--
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	--	--	<2.0	<4.0	<2.0	<2.0	<1.9	--
Perfluorooctanoic Acid (**PFOA**)	**8**	**170**	**22**	**15**	**13**	**9.6**	**14**	**12**	**57**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**210**	**53 B**	**33**	**33**	**29**	**46**	**31**	**35**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	--	--	**28**	**28**	**23**	**37**	**25**	--
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	--	--	**5.8**	**5.2**	**5.7**	**8.1**	**5.8**	--
Perfluorononanoic Acid (PFNA)	**6**	**30**	**0.60 J**	<2.0	<2.0	<2.0	<2.0	<1.9	**1.2 J**
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	--
Perfluoroheptane Sulfonic Acid (PFHpS)	--	--	**15**	**9.5**	**6.7**	**6.7**	**11**	**9.5**	**7.3**
Perfluorodecanoic Acid (PFDA)	--	--	<0.28	<2.0	<2.0	<2.0	<2.0	<1.9	<0.42
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	--	--	<3.9	<4.0	<4.1	<4.0	<3.9	--
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**12**	**680**	**480**	**480**	**440**	**520**	**470**	**300**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	--	--	**240**	**270**	**230**	**270**	**260**	--
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	--	--	**240**	**210**	**210**	**260**	**210**	--
Perfluoroundecanoic Acid (PFUnDA)	--	--	<1.0	<2.0	<2.0	<2.0	<2.0	<1.9	<0.71
Perfluorononane Sulfonic Acid (PFNS)	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	--
Perfluorododecanoic Acid (PFDoDA)	--	--	<1.8	<2.0	<2.0	<2.0	<2.0	<1.9	<0.56
Perfluorodecane Sulfonic Acid (PFDS)	--	--	<0.29	<2.0	<2.0	<2.0	<2.0	<1.9	<1.2
Perfluorotridecanoic Acid (PFTrDA)	--	--	<1.8	<2.0	<2.0	<2.0	<2.0	<1.9	<0.53
Perfluorooctane Sulfonamide (FOSA)	--	--	**1.2 J**	<2.0	<2.0	<2.0	<2.0	**2.8**	**22 J H**
Perfluorotetradecanoic Acid (PFTeDA)	--	--	<0.27	<3.9	<4.0	<4.1	<4.0	<3.9	<0.19
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	--
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	--
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	<2.0	<2.0	<2.0	<2.0	<1.9	--
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	--	--	<2.0	<10.0	<10	<4.0	<9.7	--
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	**--**	**--**	**--**	**--**	<4.0	<9.7	**--**
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	**--**	**--**	**--**	**--**	<4.0	<9.7	**--**
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	**--**	**--**	**--**	**--**	<4.0	<9.7	**--**
Perfluorobutanesulfonamide (PFBSA)	--	--	**--**	**--**	**--**	**--**	**1.6 J**	**1.5 J**	**--**
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	**--**	**--**	**--**	**--**	**1300**	**1100**	**--**
Perfluorohexanesulfonamide (PFHxSA)	--	--	**--**	**--**	**--**	**--**	<2.0	**0.60 J**	**--**
Total Per-and Polyfluoroalkyl Substances	--	--	**801.8**	**588.8**	**559.6**	**506.9**	**622.2**	**551.6**	**481.3**

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.
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.
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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.

FIGURES

I:\Racer-Trust.1088190\GIS\Coldwater_Road\Pro\RACER_ColdwaterRd\2023_Annual_PFAS_Report\001- Figure 1 - GWE Well Locations

PROJECT: 1940103462| DATED: 8/29/2023 | DESIGNER: MONETANT

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

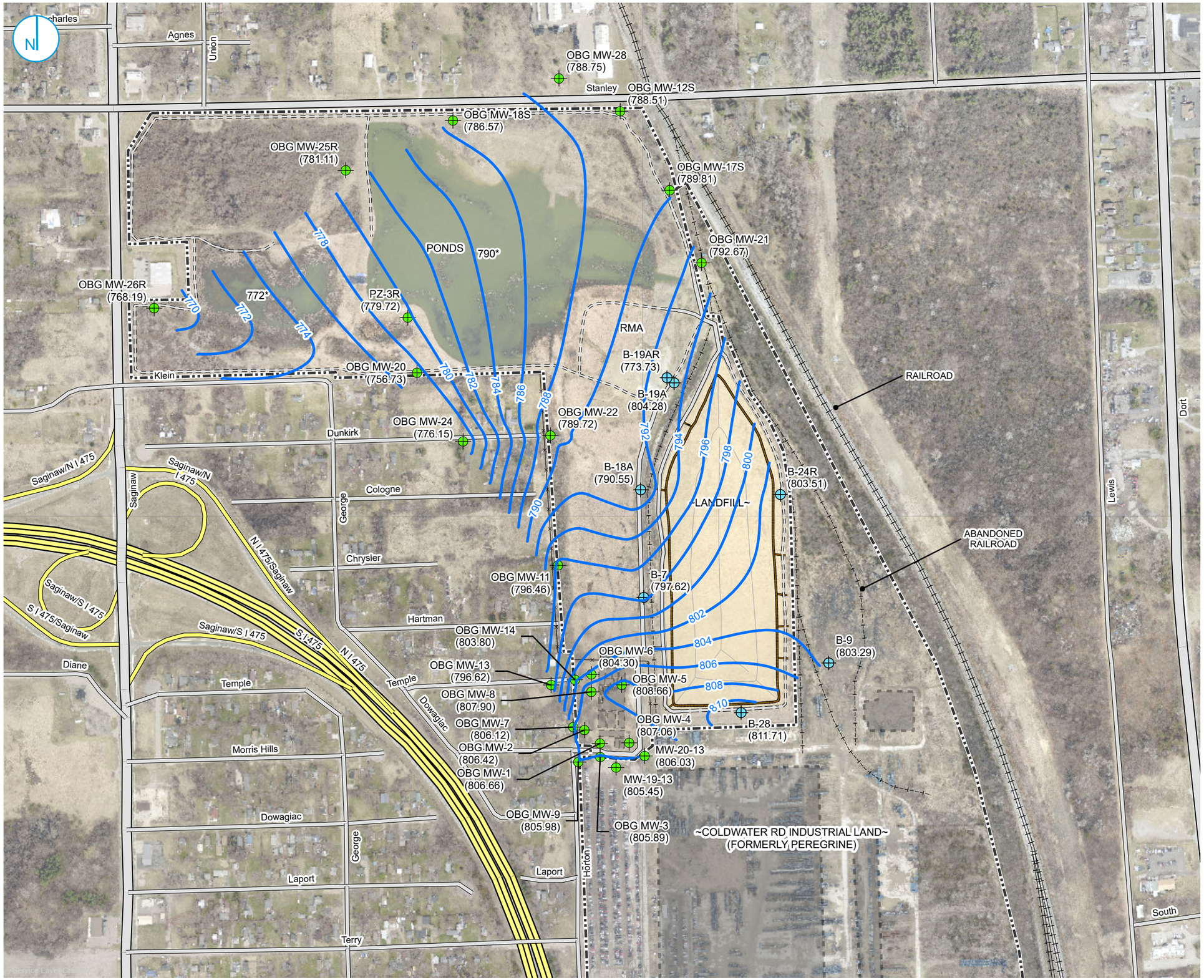
RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Racer-Trust.1088190\GIS\Coldwater_Road\Pro\2024_Spring_SA_GWS\003- Figure 3- GW_Elevations_Perched_Spring2024



- LANDFILL MONITORING WELL / PIEZOMETER
- OTHER MONITORING WELL / PIEZOMETER
- GROUNDWATER CONTOUR (JUNE 3, 2024)
- PROPERTY BOUNDARY
- FORMER BUILDING

(800.93) GROUNDWATER ELEVATION

NOTES

THE GROUNDWATER ELEVATION FOR MONITORING WELL B-19AR WAS NOT USED IN DEVELOPING THE GROUNDWATER POTENTIOMETRIC SURFACE DUE TO THE DEPTH OF THIS WELL 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 3, 2024

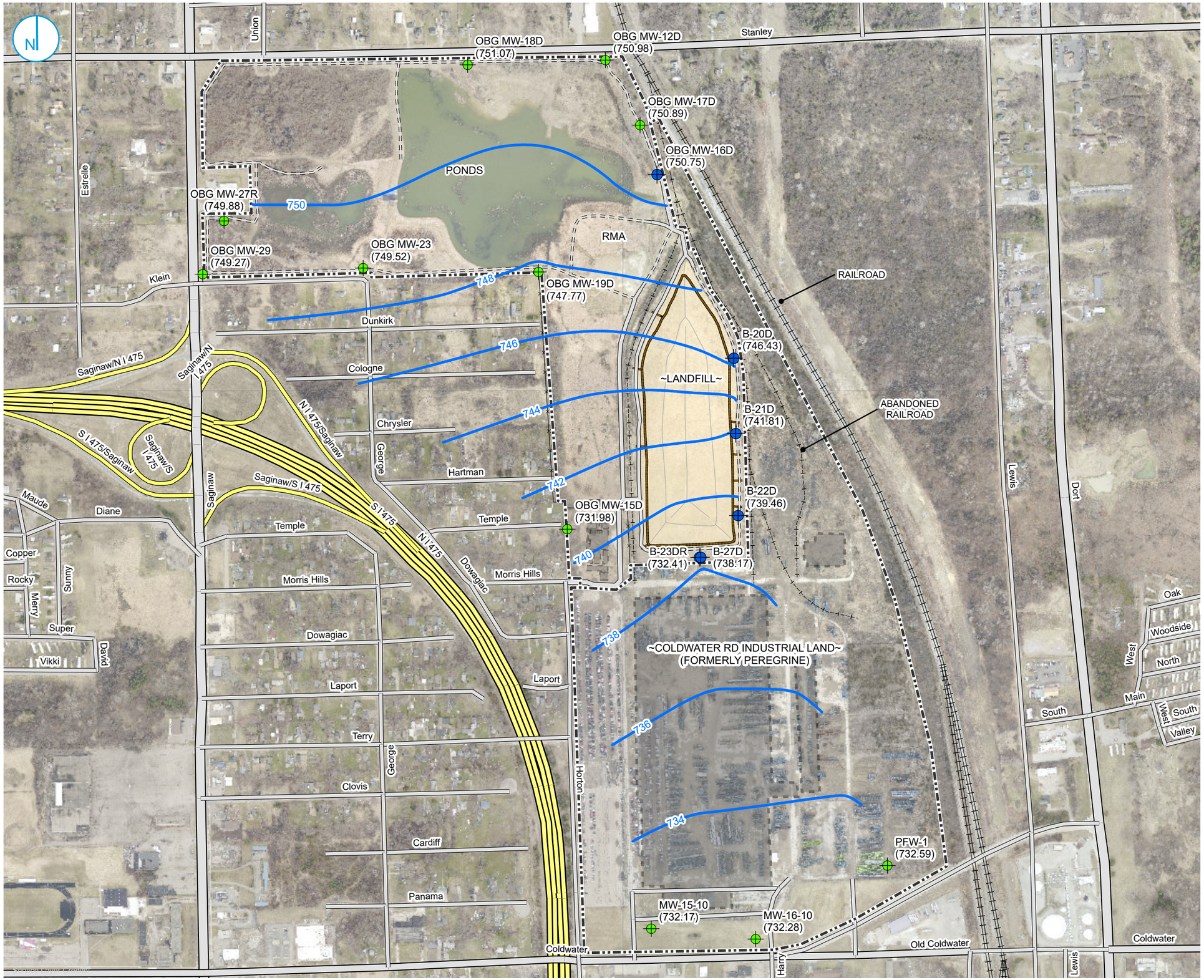
RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940107203 | DATED: 8/21/2024 | DESIGNER: MONETANT



- LANDFILL MONITORING WELL / PIEZOMETER
- OTHER MONITORING WELL / PIEZOMETER
- GROUNDWATER CONTOUR (JUNE 3, 2024)
- PROPERTY BOUNDARY
- FORMER BUILDING

(800.93) GROUNDWATER ELEVATION

NOTES

THE GROUNDWATER ELEVATIONS FOR MONITORING WELLS B-23DR AND OBG MW-15D WERE NOT USED IN DEVELOPING THE GROUNDWATER POTENTIOMETRIC SURFACE DUE TO THE DEPTH OF THESE WELLS AND APPARENT VERTICAL GRADIENT WITHIN THE DRIFT UNIT.

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

0 275 550
Feet

DRIFT UNIT GROUNDWATER ELEVATION MAP
JUNE 3, 2024

RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

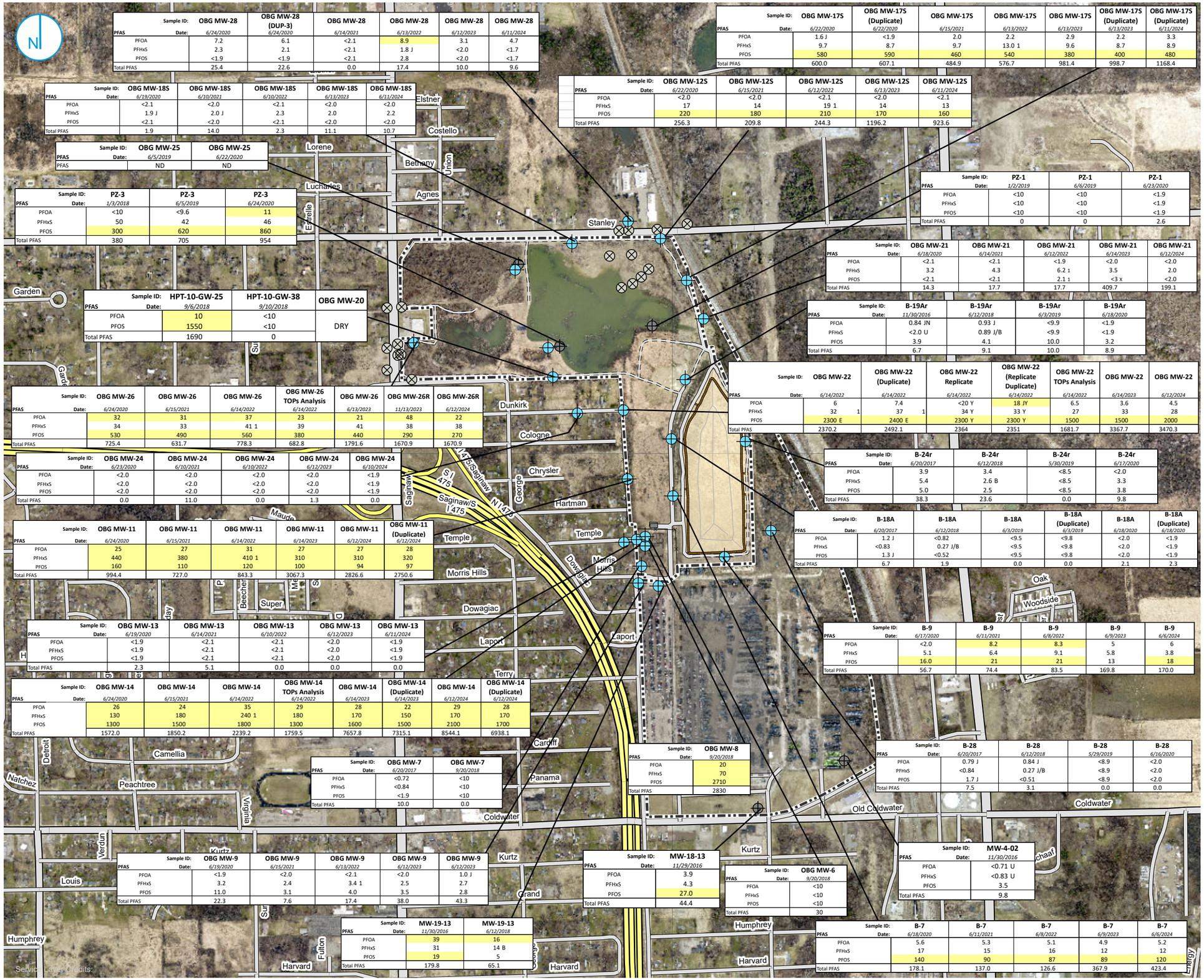
FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

I:\Racer-Trust.1088190\GIS\Coldwater_Road\Pro\2024_Spring_SA_GWS\004- Figure 4 - GW_Elevations_Drift_Spring2024

PROJECT: 1940107203 | DATED: 8/21/2024 | DESIGNER: MONETANT



PFAS	Sample ID: OBG MW-28 Date: 6/24/2020	OBG MW-28 (DUP-3) 6/24/2020	OBG MW-28 6/14/2021	OBG MW-28 6/13/2022	OBG MW-28 6/12/2023	OBG MW-28 6/11/2024
PFOA	7.2	6.1	<2.1	8.9	3.1	4.7
PFHxS	2.3	2.1	<2.1	1.8 J	<2.0	<1.7
PFOS	<1.9	<1.9	<2.1	2.8	<2.0	<1.7
Total PFAS	25.4	22.6	0.0	17.4	10.0	9.6

PFAS	Sample ID: OBG MW-17S Date: 6/22/2020	OBG MW-17S (Duplicate) 6/22/2020	OBG MW-17S 6/15/2021	OBG MW-17S 6/13/2022	OBG MW-17S 6/13/2023	OBG MW-17S (Duplicate) 6/13/2023	OBG MW-17S (Duplicate) 6/11/2024
PFOA	1.6 J	<1.9	2.0	2.2	2.9	2.2	3.3
PFHxS	9.7	8.7	9.7	13.0 1	9.6	8.7	8.9
PFOS	580	590	460	540	380	400	480
Total PFAS	600.0	607.1	484.9	576.7	981.4	998.7	1168.4

PFAS	Sample ID: OBG MW-12S Date: 6/22/2020	OBG MW-12S 6/15/2021	OBG MW-12S 6/12/2022	OBG MW-12S 6/13/2023	OBG MW-12S 6/11/2024
PFOA	<2.0	<2.0	<2.1	<2.0	<2.1
PFHxS	17	14	19 1	14	13
PFOS	220	180	210	170	160
Total PFAS	256.3	209.8	244.3	1196.2	923.6

PFAS	Sample ID: OBG MW-18S Date: 6/19/2020	OBG MW-18S 6/10/2021	OBG MW-18S 6/10/2022	OBG MW-18S 6/13/2023	OBG MW-18S 6/11/2024
PFOA	<2.1	<2.0	<2.1	<2.0	<2.0
PFHxS	1.9 J	2.0 J	2.3	2.0	2.2
PFOS	<2.1	<2.0	<2.1	<2.0	<2.0
Total PFAS	1.9	14.0	2.3	11.1	10.7

PFAS	Sample ID: OBG MW-25 Date: 6/5/2019	OBG MW-25 6/22/2020
PFAS	ND	ND

PFAS	Sample ID: PZ-3 Date: 1/3/2018	PZ-3 6/5/2019	PZ-3 6/24/2020
PFOA	<10	<9.6	11
PFHxS	50	42	46
PFOS	300	620	860
Total PFAS	380	705	954

PFAS	Sample ID: PZ-1 Date: 1/2/2019	PZ-1 6/6/2019	PZ-1 6/23/2020
PFOA	<10	<10	<1.9
PFHxS	<10	<10	<1.9
PFOS	<10	<10	<1.9
Total PFAS	0	0	2.6

PFAS	Sample ID: HPT-10-GW-25 Date: 9/6/2018	HPT-10-GW-38 9/10/2018	OBG MW-20
PFOA	10	<10	DRY
PFOS	1550	<10	
Total PFAS	1690	0	

PFAS	Sample ID: OBG MW-21 Date: 6/18/2020	OBG MW-21 6/14/2021	OBG MW-21 6/12/2022	OBG MW-21 6/14/2023	OBG MW-21 6/12/2024
PFOA	<2.1	<2.1	<1.9	<2.0	<2.0
PFHxS	3.2	4.3	6.2 1	3.5	2.0
PFOS	<2.1	<2.1	2.1 1	<3 x	<2.0
Total PFAS	14.3	17.7	17.7	409.7	199.1

PFAS	Sample ID: B-19Ar Date: 11/30/2016	B-19Ar 6/12/2018	B-19Ar 6/3/2019	B-19Ar 6/18/2020
PFOA	0.84 JN	0.93 J	<9.9	<1.9
PFHxS	<2.0 U	0.89 J/B	<9.9	<1.9
PFOS	3.9	4.1	10.0	3.2
Total PFAS	6.7	9.1	10.0	8.9

PFAS	Sample ID: OBG MW-26 Date: 6/24/2020	OBG MW-26 6/15/2021	OBG MW-26 6/14/2022	OBG MW-26 TOPs Analysis 6/14/2022	OBG MW-26 6/13/2023	OBG MW-26R 11/13/2023	OBG MW-26R 6/12/2024
PFOA	32	31	37	23	21	48	22
PFHxS	34	33	41 1	39	41	38	38
PFOS	530	490	560	380	440	290	270
Total PFAS	725.4	631.7	778.3	682.8	1791.6	1670.9	1670.9

PFAS	Sample ID: OBG MW-22 Date: 6/14/2022	OBG MW-22 (Duplicate) 6/14/2022	OBG MW-22 Replicate 6/14/2022	OBG MW-22 (Replicate Duplicate) 6/14/2022	OBG MW-22 TOPs Analysis 6/14/2022	OBG MW-22 6/14/2023	OBG MW-22 6/12/2024
PFOA	6	7.4	<20 Y	18 JY	6.5	3.6	4.5
PFHxS	32 1	37 1	34 Y	33 Y	27	33	28
PFOS	2300 E	2400 E	2300 Y	2300 Y	1500	1500	2000
Total PFAS	2370.2	2492.1	2364	2351	1681.7	3367.7	3470.3

PFAS	Sample ID: OBG MW-24 Date: 6/23/2020	OBG MW-24 6/10/2021	OBG MW-24 6/10/2022	OBG MW-24 6/12/2023	OBG MW-24 6/10/2024
PFOA	<2.0	<2.0	<2.0	<2.0	<1.9
PFHxS	<2.0	<2.0	<2.0	<2.0	<1.9
PFOS	<2.0	<2.0	<2.0	<2.0	<1.9
Total PFAS	0.0	11.0	0.0	1.3	0.0

PFAS	Sample ID: B-24r Date: 6/20/2017	B-24r 6/12/2018	B-24r 5/30/2019	B-24r 6/17/2020
PFOA	3.9	3.4	<8.5	<2.0
PFHxS	5.4	2.6 B	<8.5	3.3
PFOS	5.0	2.5	<8.5	3.8
Total PFAS	38.3	23.6	0.0	9.8

PFAS	Sample ID: OBG MW-11 Date: 6/24/2020	OBG MW-11 6/15/2021	OBG MW-11 6/14/2022	OBG MW-11 6/14/2023	OBG MW-11 6/12/2024	OBG MW-11 (Duplicate) 6/12/2024
PFOA	25	27	31	27	27	28
PFHxS	440	380	410 1	310	310	320
PFOS	160	110	120	100	94	97
Total PFAS	994.4	727.0	843.3	3067.3	2826.6	2750.6

PFAS	Sample ID: B-18A Date: 6/20/2017	B-18A 6/12/2018	B-18A 6/3/2019	B-18A (Duplicate) 6/3/2019	B-18A 6/18/2020	B-18A (Duplicate) 6/18/2020
PFOA	1.2 J	<0.82	<9.5	<9.8	<2.0	<1.9
PFHxS	<0.83	0.27 J/B	<9.5	<9.8	<2.0	<1.9
PFOS	1.3 J	<0.52	<9.5	<9.8	<2.0	<1.9
Total PFAS	6.7	1.9	0.0	0.0	2.1	2.3

PFAS	Sample ID: OBG MW-13 Date: 6/19/2020	OBG MW-13 6/14/2021	OBG MW-13 6/10/2022	OBG MW-13 6/12/2023	OBG MW-13 6/11/2024
PFOA	<1.9	<2.1	<2.1	<2.0	<1.9
PFHxS	<1.9	<2.1	<2.1	<2.0	<1.9
PFOS	<1.9	<2.1	<2.1	<2.0	<1.9
Total PFAS	2.3	5.1	0.0	0.0	0.0

PFAS	Sample ID: B-9 Date: 6/17/2020	B-9 6/11/2021	B-9 6/8/2022	B-9 6/9/2023	B-9 6/6/2024
PFOA	<2.0	8.2	8.3	5	6
PFHxS	5.1	6.4	9.1	5.8	3.8
PFOS	16.0	21	21	13	18
Total PFAS	56.7	74.4	83.5	169.8	170.0

PFAS	Sample ID: OBG MW-14 Date: 6/24/2020	OBG MW-14 6/15/2021	OBG MW-14 6/14/2022	OBG MW-14 TOPs Analysis 6/14/2022	OBG MW-14 6/14/2023	OBG MW-14 (Duplicate) 6/14/2023	OBG MW-14 6/12/2024	OBG MW-14 (Duplicate) 6/12/2024
PFOA	26	24	35	29	28	22	29	28
PFHxS	130	180	240 1	180	170	150	170	170
PFOS	1300	1500	1800	1300	1600	1500	2100	1700
Total PFAS	1572.0	1850.2	2239.2	1759.5	7657.8	7315.1	8544.1	6938.1

PFAS	Sample ID: OBG MW-7 Date: 6/20/2017	OBG MW-7 9/20/2018
PFOA	<0.72	<10
PFHxS	<0.84	<10
PFOS	<1.9	<10
Total PFAS	10.0	0.0

PFAS	Sample ID: OBG MW-8 Date: 9/20/2018
PFOA	20
PFHxS	70
PFOS	2710
Total PFAS	2830

PFAS	Sample ID: B-28 Date: 6/20/2017	B-28 6/12/2018	B-28 5/29/2019	B-28 6/16/2020
PFOA	0.79 J	0.84 J	<8.9	<2.0
PFHxS	<0.84	0.27 J/B	<8.9	<2.0
PFOS	1.7 J	<0.51	<8.9	<2.0
Total PFAS	7.5	3.1	0.0	0.0

PFAS	Sample ID: OBG MW-9 Date: 6/19/2020	OBG MW-9 6/15/2021	OBG MW-9 6/13/2022	OBG MW-9 6/12/2023	OBG MW-9 6/12/2023
PFOA	<1.9	<2.0	<2.1	<2.0	1.0 J
PFHxS	3.2	2.4	3.4 1	2.5	2.7
PFOS	11.0	3.1	4.0	3.5	2.8
Total PFAS	22.3	7.6	17.4	38.0	43.3

PFAS	Sample ID: MW-18-13 Date: 11/29/2016
PFOA	3.9
PFHxS	4.3
PFOS	27.0
Total PFAS	44.4

PFAS	Sample ID: OBG MW-6 Date: 9/20/2018
PFOA	<10
PFHxS	<10
PFOS	<10
Total PFAS	30

PFAS	Sample ID: MW-4-02 Date: 11/30/2016
PFOA	<0.71 U
PFHxS	<0.83 U
PFOS	3.5
Total PFAS	9.8

PFAS	Sample ID: MW-19-13 Date: 11/30/2016	MW-19-13 6/12/2018
PFOA	39	16
PFHxS	31	14 B
PFOS	19	5
Total PFAS	179.8	65.1

PFAS	Sample ID: B-7 Date: 6/18/2020	B-7 6/11/2021	B-7 6/8/2022	B-7 6/9/2023	B-7 6/6/2024
PFOA	5.6	5.3	5.1	4.9	5.2
PFHxS	17	15	16	12	12
PFOS	140	90	87	89	120
Total PFAS	178.1	137.0	126.6	367.9	423.4

- 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 2024)

RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

FIGURE 4

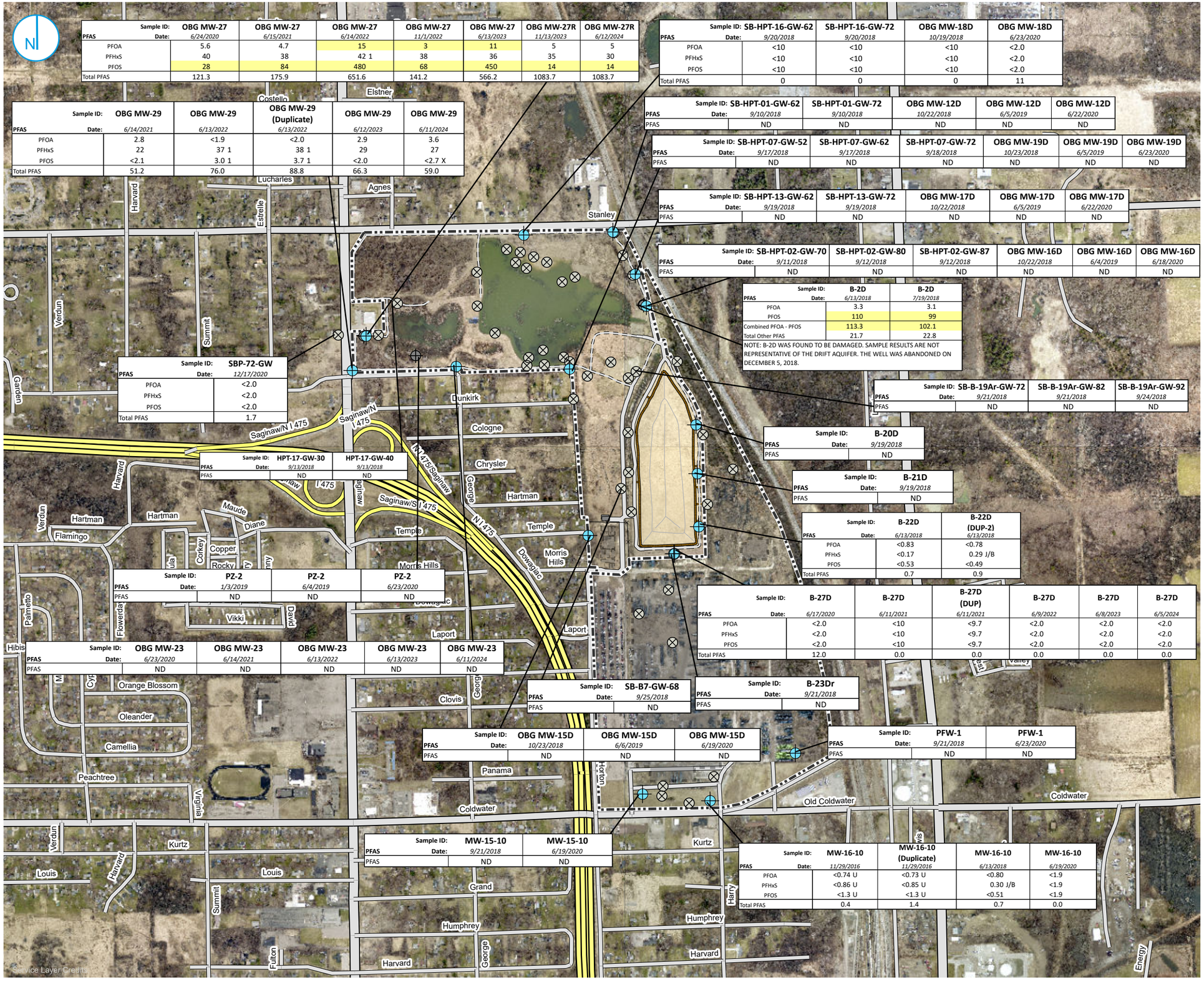
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

Service Layer Credits:

PROJECT: 1940107203 | DATED: 8/27/2024 | DESIGNER: MONETANT

I:\Racer-Trust.1088190\GIS\Coldwater_Road\ProRACER_ColdwaterRd2024_Annual_PFAS_Report\4- Figure 4 - Shallow Well Locations Tables



PFAS	Sample ID:	OBG MW-27	OBG MW-27	OBG MW-27	OBG MW-27	OBG MW-27	OBG MW-27R	OBG MW-27R
	Date:	6/24/2020	6/15/2021	6/14/2022	11/1/2022	6/13/2023	11/13/2023	6/12/2024
PFOA		5.6	4.7	15	3	11	5	5
PFHxS		40	38	42 1	38	36	35	30
PFOS		28	84	480	68	450	14	14
Total PFAS		121.3	175.9	651.6	141.2	566.2	1083.7	1083.7

PFAS	Sample ID:	OBG MW-29	OBG MW-29	OBG MW-29 (Duplicate)	OBG MW-29	OBG MW-29
	Date:	6/14/2021	6/13/2022	6/13/2022	6/12/2023	6/11/2024
PFOA		2.8	<1.9	<2.0	2.9	3.6
PFHxS		22	37 1	38 1	29	27
PFOS		<2.1	3.0 1	3.7 1	<2.0	<2.7 X
Total PFAS		51.2	76.0	88.8	66.3	59.0

PFAS	Sample ID:	SBP-72-GW
	Date:	12/17/2020
PFOA		<2.0
PFHxS		<2.0
PFOS		<2.0
Total PFAS		1.7

PFAS	Sample ID:	HPT-17-GW-30	HPT-17-GW-40
	Date:	9/13/2018	9/13/2018
PFAS		ND	ND

PFAS	Sample ID:	SB-HPT-16-GW-62	SB-HPT-16-GW-72	OBG MW-18D	OBG MW-18D
	Date:	9/20/2018	9/20/2018	10/19/2018	6/23/2020
PFOA		<10	<10	<10	<2.0
PFHxS		<10	<10	<10	<2.0
PFOS		<10	<10	<10	<2.0
Total PFAS		0	0	0	11

PFAS	Sample ID:	SB-HPT-01-GW-62	SB-HPT-01-GW-72	OBG MW-12D	OBG MW-12D	OBG MW-12D
	Date:	9/10/2018	9/10/2018	10/22/2018	6/5/2019	6/22/2020
PFAS		ND	ND	ND	ND	ND

PFAS	Sample ID:	SB-HPT-07-GW-52	SB-HPT-07-GW-62	SB-HPT-07-GW-72	OBG MW-19D	OBG MW-19D	OBG MW-19D
	Date:	9/17/2018	9/17/2018	9/18/2018	10/23/2018	6/5/2019	6/23/2020
PFAS		ND	ND	ND	ND	ND	ND

PFAS	Sample ID:	SB-HPT-13-GW-62	SB-HPT-13-GW-72	OBG MW-17D	OBG MW-17D	OBG MW-17D
	Date:	9/19/2018	9/19/2018	10/22/2018	6/5/2019	6/22/2020
PFAS		ND	ND	ND	ND	ND

PFAS	Sample ID:	SB-HPT-02-GW-70	SB-HPT-02-GW-80	SB-HPT-02-GW-87	OBG MW-16D	OBG MW-16D	OBG MW-16D
	Date:	9/11/2018	9/12/2018	9/12/2018	10/22/2018	6/4/2019	6/18/2020
PFAS		ND	ND	ND	ND	ND	ND

PFAS	Sample ID:	B-2D	B-2D
	Date:	6/13/2018	7/19/2018
PFOA		3.3	3.1
PFOS		110	99
Combined PFOA - PFOS		113.3	102.1
Total Other PFAS		21.7	22.8

NOTE: B-2D WAS FOUND TO BE DAMAGED. SAMPLE RESULTS ARE NOT REPRESENTATIVE OF THE DRIFT AQUIFER. THE WELL WAS ABANDONED ON DECEMBER 5, 2018.

PFAS	Sample ID:	SB-B-19Ar-GW-72	SB-B-19Ar-GW-82	SB-B-19Ar-GW-92
	Date:	9/21/2018	9/21/2018	9/24/2018
PFAS		ND	ND	ND

PFAS	Sample ID:	B-20D
	Date:	9/19/2018
PFAS		ND

PFAS	Sample ID:	B-21D
	Date:	9/19/2018
PFAS		ND

PFAS	Sample ID:	B-22D	B-22D (DUP-2)
	Date:	6/13/2018	6/13/2018
PFOA		<0.83	<0.78
PFHxS		<0.17	0.29 J/B
PFOS		<0.53	<0.49
Total PFAS		0.7	0.9

PFAS	Sample ID:	B-27D	B-27D	B-27D (DUP)	B-27D	B-27D	B-27D
	Date:	6/17/2020	6/11/2021	6/11/2021	6/9/2022	6/8/2023	6/5/2024
PFOA		<2.0	<10	<9.7	<2.0	<2.0	<2.0
PFHxS		<2.0	<10	<9.7	<2.0	<2.0	<2.0
PFOS		<2.0	<10	<9.7	<2.0	<2.0	<2.0
Total PFAS		12.0	0.0	0.0	0.0	0.0	0.0

PFAS	Sample ID:	PZ-2	PZ-2	PZ-2
	Date:	1/3/2019	6/4/2019	6/23/2020
PFAS		ND	ND	ND

PFAS	Sample ID:	OBG MW-23	OBG MW-23	OBG MW-23	OBG MW-23	OBG MW-23
	Date:	6/23/2020	6/14/2021	6/13/2022	6/13/2023	6/11/2024
PFAS		ND	ND	ND	ND	ND

PFAS	Sample ID:	SB-B7-GW-68
	Date:	9/25/2018
PFAS		ND

PFAS	Sample ID:	B-23Dr
	Date:	9/21/2018
PFAS		ND

PFAS	Sample ID:	OBG MW-15D	OBG MW-15D	OBG MW-15D
	Date:	10/23/2018	6/6/2019	6/19/2020
PFAS		ND	ND	ND

PFAS	Sample ID:	PFW-1	PFW-1
	Date:	9/21/2018	6/23/2020
PFAS		ND	ND

PFAS	Sample ID:	MW-15-10	MW-15-10
	Date:	9/21/2018	6/19/2020
PFAS		ND	ND

PFAS	Sample ID:	MW-16-10	MW-16-10 (Duplicate)	MW-16-10	MW-16-10
	Date:	11/29/2016	11/29/2016	6/13/2018	6/19/2020
PFOA		<0.74 U	<0.73 U	<0.80	<1.9
PFHxS		<0.86 U	<0.85 U	0.30 J/B	<1.9
PFOS		<1.3 U	<1.3 U	<0.51	<1.9
Total PFAS		0.4	1.4	0.7	0.0

- 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 2024)

RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

FIGURE 5

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

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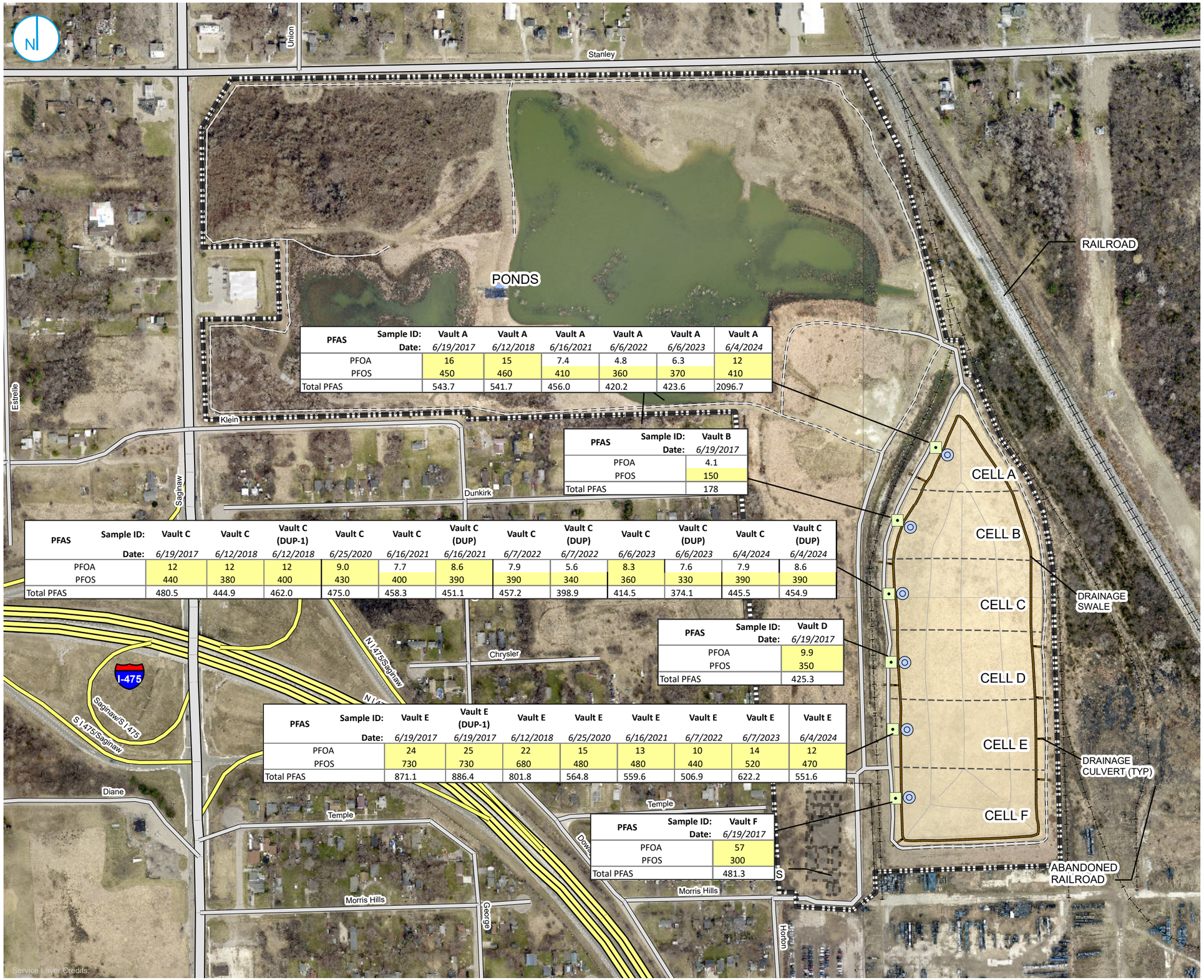
I:\Racer-Trust\1088190\GIS\Coldwater_Road\ProjRACER_ColdwaterRd\2024_Annual_PFAS_Report\5B- Figure 5B - Drift Locations Tables
PROJECT: 1940107203| DATED: 8/27/2024 | DESIGNER: MONETANT



PFAS	Sample ID:	Vault A	Vault A	Vault A	Vault A	Vault A	Vault A
	Date:	*6/19/2017*	*6/12/2018*	*6/16/2021*	*6/6/2022*	*6/6/2023*	*6/4/2024*
PFOA		16	15	7.4	4.8	6.3	12
PFOS		450	460	410	360	370	410
Total PFAS		543.7	541.7	456.0	420.2	423.6	2096.7

PFAS	Sample ID:	Vault B
	Date:	*6/19/2017*
PFOA		4.1
PFOS		150
Total PFAS		178

PFAS	Sample ID:	Vault C	Vault C	Vault C (DUP-1)	Vault C	Vault C	Vault C (DUP)	Vault C	Vault C (DUP)	Vault C	Vault C (DUP)	Vault C	Vault C (DUP)
	Date:	*6/19/2017*	*6/12/2018*	*6/12/2018*	*6/25/2020*	*6/16/2021*	*6/16/2021*	*6/7/2022*	*6/7/2022*	*6/6/2023*	*6/6/2023*	*6/4/2024*	*6/4/2024*
PFOA		12	12	12	9.0	7.7	8.6	7.9	5.6	8.3	7.6	7.9	8.6
PFOS		440	380	400	430	400	390	390	340	360	330	390	390
Total PFAS		480.5	444.9	462.0	475.0	458.3	451.1	457.2	398.9	414.5	374.1	445.5	454.9

PFAS	Sample ID:	Vault D
	Date:	*6/19/2017*
PFOA		9.9
PFOS		350
Total PFAS		425.3

PFAS	Sample ID:	Vault E	Vault E (DUP-1)	Vault E	Vault E	Vault E	Vault E	Vault E	Vault E
	Date:	*6/19/2017*	*6/19/2017*	*6/12/2018*	*6/25/2020*	*6/16/2021*	*6/7/2022*	*6/7/2023*	*6/4/2024*
PFOA		24	25	22	15	13	10	14	12
PFOS		730	730	680	480	480	440	520	470
Total PFAS		871.1	886.4	801.8	564.8	559.6	506.9	622.2	551.6

PFAS	Sample ID:	Vault F
	Date:	*6/19/2017*
PFOA		57
PFOS		300
Total PFAS		481.3

- LEACHATE COLLECTION SUMP
- ACCESS PORT FOR LEAK DECTION 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.

0 175 350 Feet

LEAK DETECTION VAULTS PFAS SAMPLE RESULTS
(JUNE 2017 - JUNE 2024)

RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

FIGURE 6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940107203 | DATED: 8/27/2024 | DESIGNER: MONETANT

I:\Racer-Trust.1088190\GIS\Coldwater_Road\Pro\RACER_ColdwaterRd\2024_Annual_PFAS_Report\006 - Figure 6 - Leak Detection Vaults PFAS Sample Results_June2023

APPENDIX A
GROUNDWATER SAMPLING LOGS

RAMBOLL

Standard Groundwater Sampling Log

Date	6/3/2024 | 6/6/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70's °F
Location	Flint, MI	Well #	B-7
Project No.	1940107203	Evacuation Method	Whale Pump-Peristaltic
Personnel		Sampling Method	Purged Dry

Well Information:

Depth of Well *	29.98	ft.
Depth to Water *	16.05 | 20.20	ft.
Length of Water Column	13.93	ft.
Volume of Water in Well	2.27	gal.(s)
3X Volume of Water in Well	6.81	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: 4.0 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		26.56	0.77	3.58	6.47	131.4	
5 min		11.75	0.99	1.20	7.04	65.8	
10 min		11.51	0.99	3.79	7.12	76.0	
15 min							
20 min	6/6/2024						
25 min	20.80	24.69	1.86	4.10	7.13	41.4	47
30 min	21.11	17.03	1.97	0.98	7.09	42.3	22.7
35 min	21.17	16.21	1.99	0.84	7.07	40.7	19.7
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: 11:25

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Murky	Color	Slightly Cloudy
Odor	None	Odor	None
Turbidity (> 100 NTU)	465	Turbidity (> 100 NTU)	19.7
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:

RAMBOLL

Standard Groundwater Sampling Log

Date	6/4/2024 | 6/6/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 80's °F
Location	Flint, MI	Well #	B-9
Project No.	1940107203	Evacuation Method	Whale Pump-Peristaltic
Personnel	ST	Sampling Method	Purged Dry

Well Information:

Depth of Well *	25.20	ft.
Depth to Water *	4.08 | 3.75	ft.
Length of Water Column	21.12	ft.
Volume of Water in Well	3.44	gal.(s)
3X Volume of Water in Well	10.33	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: 5.0 gal.(s)
Did well go dry? yes

* Measurements taken from [ ] Well Casing [X] 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	6.00	22.68	3.75	5.03	6.85	63.8	306
5 min	10.60	12.26	4.52	0.12	6.72	57.0	108
10 min	17.85	11.85	4.57	0.15	6.72	39.8	107
15 min	20.42	12.21	4.57	0.28	6.72	36.0	140
20 min	22.50	12.28	4.54	0.81	6.72	27.2	150
25 min	Dry						
30 min							
35 min	6/6/2024						
40 min	4.35	20.72	3.85	6.75	7.08	69.0	430
45 min	4.89	16.80	4.07	4.08	6.85	63.9	462
50 min		15.21	4.15	3.67	6.82	57.0	438
55 min	5.66	14.87	4.15	3.35	6.79	53.1	297
60 min	6.05	14.64	4.13	2.56	6.76	50.6	105
65 min							68.6
70 min						After Filter	16.6
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected 10:18

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Foggy	Color	light brownish gray
Odor	None	Odor	None
Turbidity (> 100 NTU)	306	Turbidity (> 100 NTU)	68.6
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:

RAMBOLL

Standard Groundwater Sampling Log

Date	6/5/2024		
Site Name	RACER Coldwater Rd	Weather	Partly Cloudy, 70s
Location	Flint, MI	Well #	B-27D
Project No.	1940107203	Evacuation Method	Bladder Pump
Personnel	ST	Sampling Method	Low Flow

Well Information:

Depth of Well *	89.93	ft.
Depth to Water *	74.45	ft.
Length of Water Column	15.48	ft.
Volume of Water in Well	2.52	gal.(s)
3X Volume of Water in Well	7.57	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: 7.5 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	75.04	15.52	0.48	0.22	7.52	-54.3	362
5 min	75.09	13.62	0.50	0.05	7.47	-106	305
10 min	75.10	13.56	0.50	0.04	7.45	-78.9	780
15 min	75.10	13.20	0.50	0.03	7.45	-114.5	900
20 min	75.18	13.13	0.50	0.02	7.45	-85.6	1000
25 min	75.20	13.11	0.50	0.01	7.45	-125.0	970
30 min	75.14	13.10	0.50	0.01	7.44	-128.1	749
35 min	75.10	13.44	0.51	0.01	7.44	-87.1	657
40 min	75.10	13.52	0.50	0.00	7.44	-124.2	433
45 min	75.10	13.20	0.50	0.01	7.44	-85.7	337
50 min	75.10	13.33	0.50	0.00	7.43	-85.0	271
55 min	75.14	13.11	0.50	-0.01	7.44	-82.0	220
60 min	75.12	13.25	0.50	-0.01	7.42	-120.9	195
65 min	75.14	13.27	0.50	-0.01	7.43	-83.7	159
70 min	75.14	13.42	0.50	-0.01	7.44	-119.6	139
75 min	75.14	13.75	0.50	-0.01	7.43	-120.6	120
80 min	75.12	13.56	0.50	-0.02	7.44	-81.5	102
85 min	75.12	13.47	0.50	-0.01	7.43	-82.1	91.8
90 min	75.12	13.93	0.50	-0.01	7.43	-81.5	93.1
95 min	75.12	13.57	0.50	-0.01	7.43	-80.0	78.5
100 min	75.12	13.61	0.50	-0.01	7.43	-79.4	69.5
105 min	75.12	13.71	0.50	0.00	7.43	-78.5	67.1
110 min	75.12	13.74	0.50	0.00	7.42	-77.1	58.7
115 min	75.12	13.66	0.50	0.01	7.43	-76.3	59.1
120 min							

Water Sample:
Time Collected: 12:30

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Cloudy Brown	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	362	Turbidity (> 100 NTU)	59.1
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:
Rate at start 300 mL/min- Start 10:25
Rate at 11:05- 300 mL/min
Rate at 12:00- 300 mL/min
Low DO readings on meter

RAMBOLL

Standard Groundwater Sampling Log

Date	6/11/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny 70s °F
Location	Flint, MI	Well #	OBG MW-9
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	18.15	ft.
Depth to Water *	3.99	ft.
Length of Water Column	14.16	ft.
Volume of Water in Well	2.31	gal.(s)
3X Volume of Water in Well	6.92	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: 1 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	4.31	22.63	2.57	0.87	7.06	59.8	12.40
5 min	4.41	22.02	2.62	0.29	7.07	40.8	5.81
10 min	4.49	22.16	2.58	0.23	7.07	44.9	4.44
15 min	4.54	21.79	2.56	0.21	7.08	36.0	2.74
20 min	4.57	21.85	2.57	0.20	7.08	36.0	2.64
25 min	4.59	22.13	2.55	0.19	7.08	35.7	2.68
30 min	4.62	21.79	2.54	0.18	7.09	33.8	0.34
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: 14:00

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	12.4	Turbidity (> 100 NTU)	0.34
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:
Start 13:27

RAMBOLL

Standard Groundwater Sampling Log

Date	6/12/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70's °F
Location	Flint, MI	Well #	OBG MW-11
Project No.	1940107203	Evacuation Method	peristaltic
Personnel	KBS	Sampling Method	low flow

Well Information:

Depth of Well *	24.63	ft.
Depth to Water *	5.48	ft.
Length of Water Column	19.15	ft.
Volume of Water in Well	3.12	gal.(s)
3X Volume of Water in Well	9.36	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: 1 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	5.68	22.01	1.56	2.39	7.00	-115.2	218
5 min	5.81	16.72	1.73	0.43	7.01	-172.2	35.2
10 min	5.99	16.38	1.75	0.26	7.00	-122.5	16.5
15 min	6.05	16.29	1.74	0.21	7.00	-123.4	12.5
20 min	6.12	15.67	1.74	0.19	7.00	-124.9	8.72
25 min	6.14	15.88	1.76	0.19	6.99	-126.9	5.52
30 min	6.16	16.07	1.75	0.17	6.99	-127.2	4.09
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: 11:50

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None, Slight Sulfate Odor	Odor	None
Turbidity (> 100 NTU)	21.80	Turbidity (> 100 NTU)	4.09
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:
Started 11:19
Collected MW-DUP-1-06122024
Rust color sediment on probe

RAMBOLL

Standard Groundwater Sampling Log

Date	6/11/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 80's °F
Location	Flint, MI	Well #	OBG MW-12S
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	JMK, LRT	Sampling Method	Low Flow

Well Information:

Depth of Well *	21.42	ft.
Depth to Water *	8.37	ft.
Length of Water Column	13.05	ft.
Volume of Water in Well	2.13	gal.(s)
3X Volume of Water in Well	6.38	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: 1 2/3 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 (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	8.37	24.54	1.07	3.45	7.04	-81.4	12.8
5 min	9.75	13.34	0.86	0.10	7.11	0.4	1.85
10 min	10.07	13.10	0.88	0.06	7.11	2.4	0.98
15 min	10.26	12.92	0.87	0.03	7.11	7.1	2.10
20 min	10.40	12.88	0.87	0.01	7.12	0.2	0.74
25 min	10.43	12.96	0.87	0.00	7.12	0.6	0.85
30 min	10.48	13.07	0.87	0.02	7.12	-9.5	1.20
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: 15:15

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	12.8	Turbidity (> 100 NTU)	1.2
Sheen/Free Product	NA	Sheen/Free Product	NA

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:

OBG-MW12S-06112024

Standard Groundwater Sampling Log

Date	6/11/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70s °F
Location	Flint, MI	Well #	OBG MW-13
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	23.70	ft.
Depth to Water *	5.26	ft.
Length of Water Column	18.44	ft.
Volume of Water in Well	3.01	gal.(s)
3X Volume of Water in Well	9.02	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: 1 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	5.55	20.22	1.50	4.48	6.85	60.8	
5 min	5.68	19.55	1.59	6.84	7.25	41.7	434
10 min	5.99	15.44	1.55	2.36	6.83	38.0	348
15 min	6.23	14.59	1.58	1.17	6.20	35.2	246
20 min	6.56	14.27	1.59	1.09	6.81	34.8	189
25 min	6.80	14.05	1.59	1.04	6.81	34.1	124
30 min	7.17	13.94	1.60	1.09	6.81	33.7	94.6
35 min	7.39	13.64	1.60	0.99	6.81	33.5	94.3
40 min	7.61	13.68	1.61	0.97	6.81	33.1	62.5
45 min	7.89	13.59	1.60	0.93	6.81	32.7	73.4
50 min	8.14	13.68	1.60	0.94	6.81	32.7	71.8
55 min	8.33	13.50	1.60	0.91	6.81	32.3	56.7
60 min	8.69	13.50	1.60	0.91	6.81	32.3	52.1
65 min	8.85	13.62	1.61	0.92	6.81	32.4	53.4
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 11:24

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Cloudy/ Light Gray	Color	Cloudy
Odor	None	Odor	None
Turbidity (> 100 NTU)	434	Turbidity (> 100 NTU)	53.4
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:
Water not pumping during first reading

RAMBOLL

Standard Groundwater Sampling Log

Date	6/12/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70s °F
Location	Flint, MI	Well #	OBG MW-14
Project No.	1940107203	Evacuation Method	Bladder Pump
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	17.76	ft.
Depth to Water *	7.18	ft.
Length of Water Column	10.58	ft.
Volume of Water in Well	1.72	gal.(s)
3X Volume of Water in Well	5.17	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: 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	7.74	22.68	1.35	4.47	7.18	2.2	48.7
5 min	8.21	16.78	1.48	1.38	7.13	17.6	23.9
10 min	8.55	17.20	1.48	1.48	7.13	21.1	31.9
15 min	8.88	18.28	1.48	1.48	7.14	22.7	14.4
20 min	9.2	18.59	1.47	2.07	7.14	24.2	23.4
25 min	9.51	19.02	1.48	2.34	7.15	24.1	14.7
30 min	9.79	19.59	1.47	2.47	7.16	26.4	17.4
35 min	10.02	20.13	1.47	2.49	7.15	27.2	13.8
40 min	10.39	20.22	1.47	2.54	7.16	28.7	9.38
45 min	10.63	20.40	1.47	2.63	7.16	30.1	9.55
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected 13:04

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Cloudy	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	48.7	Turbidity (> 100 NTU)	9.55
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:
MW-DUP-2-06122024

RAMBOLL

Standard Groundwater Sampling Log

Date	6/11/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70s °F
Location	Flint, MI	Well #	OBG MW-17S
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	JMK, LRT	Sampling Method	Low Flow

Well Information:

Depth of Well *	22.27	ft.
Depth to Water *	10.90	ft.
Length of Water Column	11.37	ft.
Volume of Water in Well	1.85	gal.(s)
3X Volume of Water in Well	5.56	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: 1 3/5 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	10.90	26.94	0.72	4.54	7.21	-113.8	163
5 min	11.60	13.58	0.85	0.38	6.98	-106.1	39.2
10 min	11.68	12.67	0.86	0.86	7.00	-116.1	16.2
15 min	11.69	12.51	0.86	0.82	7.02	-115.0	12.9
20 min	11.68	12.42	0.86	0.51	7.02	-116.6	9.97
25 min	11.68	12.28	0.87	0.27	7.03	-118.4	8.97
30 min	11.68	12.25	0.88	0.17	7.03	-105.9	7.06
35 min	11.68	12.35	0.88	0.09	7.03	-108.4	6.57
40 min	11.68	12.29	0.88	0.04	7.03	-108.7	3.82
45 min							
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 16:10

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	163	Turbidity (> 100 NTU)	3.82
Sheen/Free Product	NA	Sheen/Free Product	NA

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:
OBG-MW-17S-06112024

RAMBOLL

Standard Groundwater Sampling Log

Date	6/11/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70s °F
Location	Flint, MI	Well #	OBG MW-18S
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	JMK, LRT	Sampling Method	Low Flow

Well Information:

Depth of Well *	30.86	ft.
Depth to Water *	13.00	ft.
Length of Water Column	17.86	ft.
Volume of Water in Well	2.91	gal.(s)
3X Volume of Water in Well	8.73	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: 1 3/4 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	13.00	24.93	0.95	7.50	7.38	67.4	23.9
5 min	13.29	13.40	1.12	0.23	7.00	41.4	13.9
10 min	13.30	12.73	1.21	0.17	7.00	21.0	14.5
15 min	13.30	12.65	1.23	0.14	7.01	22.5	9.09
20 min	13.30	12.56	1.26	0.13	7.01	21.4	8.16
25 min	13.31	12.47	1.28	0.11	7.01	19.2	6.69
30 min	13.31	12.56	1.29	0.10	7.01	15.5	6.12
35 min	13.31	12.53	1.29	0.09	7.01	13.2	5.49
40 min	13.31	12.47	1.30	0.09	7.01	10.4	4.72
45 min							
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 11:05

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	23.9	Turbidity (> 100 NTU)	0.72
Sheen/Free Product	NA	Sheen/Free Product	NA

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:
OBG MW-18S-06112024

RAMBOLL

Standard Groundwater Sampling Log

Date	6/12/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70s °F
Location	Flint, MI	Well #	OBG MW-21
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel		Sampling Method	Low Flow

Well Information:

Depth of Well *	17.36	ft.
Depth to Water *	5.51	ft.
Length of Water Column	11.85	ft.
Volume of Water in Well	1.93	gal.(s)
3X Volume of Water in Well	5.79	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: 1 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	5.89	24.49	1.19	3.56	6.92	-6.9	229
5 min	5.98	19.69	1.30	0.41	6.91	-39.7	238
10 min	6.14	19.61	1.30	0.29	6.91	-16.3	203
15 min	6.11	19.76	1.30	0.28	6.91	-17.6	160
20 min	6.13	20.63	1.29	0.27	6.91	-18.2	135
25 min	6.14	20.66	1.29	0.24	6.91	-17.8	106
30 min	6.16	20.71	1.29	0.23	6.91	-17.8	99.1
35 min	6.18	20.93	1.29	0.22	6.91	-18.7	90.1
40 min	6.18	20.80	1.28	0.20	6.91	-18.4	75.8
45 min	6.20	20.62	1.28	0.19	6.91	-18.5	65.8
50 min	6.22	20.47	1.28	0.20	6.91	-18.5	49.5
55 min	6.25	20.40	1.28	0.18	6.91	-18.4	45.9
60 min	6.26	2.53	1.29	0.20	6.91	-18.9	43.1
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 10:42

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Cloudy / Light Gray	Color	Cloudy
Odor	None	Odor	None
Turbidity (> 100 NTU)	229.0	Turbidity (> 100 NTU)	43.1
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:
Start 9:38

RAMBOLL

Standard Groundwater Sampling Log

Date	6/12/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70s °F
Location	Flint, MI	Well #	OBG MW-22
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	JMK	Sampling Method	Low Flow

Well Information:

Depth of Well *	26.64	ft.
Depth to Water *	4.39	ft.
Length of Water Column	22.25	ft.
Volume of Water in Well	3.63	gal.(s)
3X Volume of Water in Well	10.88	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: 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	4.39	20.04	0.79	1.63	6.83	13.2	270
5 min	4.62	14.02	0.86	0.06	6.75	36.4	80.2
10 min	4.65	13.35	0.87	0.03	6.77	90.3	82.5
15 min	4.68	12.81	0.87	0.01	6.78	54.6	19.9
20 min	4.69	12.59	0.88	0.00	6.77	46.7	28.4
25 min	4.72	12.22	0.88	0.00	6.78	46.9	13.1
30 min	4.77	12.04	0.87	0.00	6.78	58.6	23.6
35 min	4.77	11.96	0.87	0.00	6.78	47.5	6.80
40 min	4.77	11.94	0.88	0.00	6.78	48.4	7.07
45 min	4.77	11.97	0.88	0.00	6.78	59.8	2.24
50 min	4.77	11.93	0.88	0.00	6.78	61.0	0.91
55 min	4.77	11.96	0.87	0.00	6.78	61.4	7.04
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 12:20

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Tan	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	270	Turbidity (> 100 NTU)	7.04
Sheen/Free Product	NA	Sheen/Free Product	NA

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:
Low DO readings

RAMBOLL

Standard Groundwater Sampling Log

Date	6/11/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70s °F
Location	Flint, MI	Well #	OBG MW-23
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	JMK, LRT	Sampling Method	Low Flow

Well Information:

Depth of Well *	33.42	ft.
Depth to Water *	27.24	ft.
Length of Water Column	6.18	ft.
Volume of Water in Well	1.01	gal.(s)
3X Volume of Water in Well	3.02	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 3/4 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	27.24	24.85	1.10	1.82	7.00	-113.0	36.9
5 min	27.42	14.87	1.02	0.30	6.99	-10.1	26.5
10 min	27.42	13.66	1.04	0.17	7.01	-28.5	11.1
15 min	27.42	13.71	1.04	0.12	7.04	-36.8	8.22
20 min	27.42	13.66	1.04	0.17	7.03	-31.2	4.41
25 min	27.42	13.79	1.04	0.15	7.03	-56.5	3.86
30 min	27.42	13.76	1.04	0.11	7.04	-45.0	2.42
35 min	27.42	13.88	1.04	0.11	7.03	-65.9	0.55
40 min	27.42	13.81	1.04	0.10	7.05	-66.9	2.39
45 min	27.42	13.82	1.03	0.07	7.06	-51.9	1.40
50 min	27.42	13.78	1.03	0.06	7.06	-72.9	1.90
55 min	27.42	13.74	1.03	0.05	7.05	-53.8	1.60
60 min	27.42	13.65	1.03	0.05	7.06	-54.0	0.45
65 min	27.42	13.84	1.04	0.05	7.07	-75.6	2.16
70 min	27.42	13.87	1.04	0.05	7.07	-56.7	1.29
75 min	27.42	14.09	1.03	0.04	7.06	-57.0	1.34
80 min	27.42	13.83	1.03	0.03	7.07	-58.4	0.84
85 min							
90 min							

Water Sample:
Time Collected: 14:20

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	36.9	Turbidity (> 100 NTU)	0.84
Sheen/Free Product	NA	Sheen/Free Product	NA

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:

OBG-MW-23-06112024

RAMBOLL

Standard Groundwater Sampling Log

Date	6/10/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 60s °F
Location	Flint, MI	Well #	OBG MW-24
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	23.84	ft.
Depth to Water *	4.91	ft.
Length of Water Column	18.93	ft.
Volume of Water in Well	3.09	gal.(s)
3X Volume of Water in Well	9.26	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: 1 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	4.91	24.20	0.90	6.40	7.22	51.9	40.7
5 min		17.13	0.96	0.97	7.19	44.2	86.3
10 min	4.94	15.70	0.98	0.44	7.19	29.4	51.2
15 min	5.00	15.32	0.98	0.34	7.19	25.7	45.3
20 min	5.05	15.26	0.99	0.42	7.19	24.8	42.8
25 min	5.15	15.43	0.99	0.31	7.19	24.9	30.1
30 min	5.25	15.02	0.98	0.20	7.19	25.2	39.8
35 min	5.39	14.77	0.99	0.20	7.19	24.9	24.1
40 min	5.42	14.77	0.98	0.18	7.19	24.7	24.5
45 min	5.47	14.93	0.99	0.18	7.19	24.8	26.2
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 15:06

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Slightly Cloudy	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	40.7	Turbidity (> 100 NTU)	26.2
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:

Standard Groundwater Sampling Log

Date	6/12/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70s °F
Location	Flint, MI	Well #	OBG MW-26R
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	JMK	Sampling Method	Low Flow

Well Information:

Depth of Well *	13.38	ft.
Depth to Water *	5.04	ft.
Length of Water Column	8.34	ft.
Volume of Water in Well	1.36	gal.(s)
3X Volume of Water in Well	4.08	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: 1 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	5.04	29.22	1.19	7.15	7.18	73.0	976
5 min	5.24	16.77	2.89	0.48	6.72	-24.8	81.4
10 min	5.28	15.77	2.59	0.09	6.72	-20.3	57.3
15 min	5.28	16.06	2.36	0.07	6.66	-15.1	44.8
20 min	5.28	16.20	2.31	0.09	6.64	-20.3	21.1
25 min	5.28	16.35	2.28	0.08	6.63	-25.8	12.2
30 min	5.28	16.36	2.27	0.08	6.63	-34.2	8.61
35 min	5.28	16.46	2.27	0.07	6.62	-38.9	6.27
40 min	5.28	16.50	2.27	0.06	6.62	-41.2	3.00
45 min							
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							
95 min							
100 min							

Water Sample:
Time Collected: 10:15

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Tan Tint	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	97.6	Turbidity (> 100 NTU)	3.00
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:
OBG-MW-26R-06122024

RAMBOLL

Standard Groundwater Sampling Log

Date: 6/12/2024
Site Name: RACER Coldwater Rd
Location: Flint, MI
Project No.: 1940107203
Personnel: JMK
Weather: Sunny, 70s °F
Well #: OBG MW-27R
Evacuation Method: Peristaltic
Sampling Method: Low Flow

Well Information:

Depth of Well *	33.18	ft.
Depth to Water *	22.65	ft.
Length of Water Column	10.53	ft.
Volume of Water in Well	1.72	gal.(s)
3X Volume of Water in Well	5.15	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: 1 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	22.65	23.20	0.88	4.16	7.49	-170.8	152
5 min	22.70	14.33	1.00	0.33	7.20	-89.2	282
10 min	22.70	13.77	1.04	0.28	7.14	-105.1	27.9
15 min	22.70	13.78	1.04	0.23	7.11	-107.7	16.7
20 min	22.70	13.71	1.05	0.21	7.10	-117.7	11.8
25 min	22.70	13.84	1.06	0.20	7.09	-110.1	11.0
30 min							
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: 10:55

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Brown	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	152	Turbidity (> 100 NTU)	11.0
Sheen/Free Product	NA	Sheen/Free Product	NA

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:

RAMBOLL

Standard Groundwater Sampling Log

Date	6/11/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70s °F
Location	Flint, MI	Well #	OBG MW-28
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	KBS	Sampling Method	Low Flow

Well Information:

Depth of Well *	17.25	ft.
Depth to Water *	11.84	ft.
Length of Water Column	5.41	ft.
Volume of Water in Well	0.88	gal.(s)
3X Volume of Water in Well	2.65	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: 1 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	11.86	37.62	0.00	6.12	7.8	82.4	13.7
5 min	11.88	18.32	0.37	2.97	7.11	70.3	10.2
10 min	11.86	15.88	0.38	2.89	7.09	42.9	7.84
15 min	11.86	15.25	0.39	3.11	7.09	39.4	5.58
20 min	11.86	14.89	0.39	3.24	7.09	37.7	3.56
25 min	11.86	14.71	0.39	3.27	7.08	37.2	3.50
30 min	11.86	14.54	0.38	3.28	7.08	36.4	3.50
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: 15:28

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	13.7	Turbidity (> 100 NTU)	3.50
Sheen/Free Product	None	Sheen/Free Product	None

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:

14:55

Standard Groundwater Sampling Log

Date	6/11/2024		
Site Name	RACER Coldwater Rd	Weather	Sunny, 70s °F
Location	Flint, MI	Well #	OBG MW-29
Project No.	1940107203	Evacuation Method	Peristaltic
Personnel	JMK, LRT	Sampling Method	Low Flow

Well Information:

Depth of Well *	33.98	ft.
Depth to Water *	24.14	ft.
Length of Water Column	9.84	ft.
Volume of Water in Well	1.60	gal.(s)
3X Volume of Water in Well	4.81	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: 1 2/3 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 (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	24.14	33.99	0.00	6.44	6.87	76.5	130.0
5 min	24.17	16.31	1.00	0.46	7.05	-14.0	24.0
10 min	24.17	14.66	1.03	0.28	7.04	-62.0	22.2
15 min	24.17	14.36	1.04	0.22	7.06	-76.3	10.6
20 min	24.17	14.13	1.04	0.18	7.06	-84.8	8.76
25 min	24.17	14.29	1.04	0.16	7.06	-91.8	6.4
30 min	24.17	13.81	1.04	0.11	7.07	-119.5	5.1
35 min	24.17	13.54	1.05	0.09	7.06	-100.5	4.48
40 min	24.17	13.60	1.05	0.08	7.06	-100.7	3.47
45 min	24.17	13.61	1.06	0.07	7.07	-103.9	2.63
50 min							
55 min							
60 min							
65 min							
70 min							
75 min							
80 min							
85 min							
90 min							

Water Sample:
Time Collected: 12:45

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	None	Odor	None
Turbidity (> 100 NTU)	130	Turbidity (> 100 NTU)	2.63
Sheen/Free Product	NA	Sheen/Free Product	NA

Samples collected:

Analyses	# Bottles	Bottle size/type	Preservative	Field Filtered
PFAS (7979)	3	15 ml plastic	None	No

Notes:

110-150 mL/min changed to 150 @ 25 min
MW-29-06112024

APPENDIX B
ANALYTICAL LABORATORY RESULTS

Analytical Laboratory Report

Report ID: S63111.01(01)
Generated on 06/25/2024

Report to

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

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

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

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

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Addtional Contacts: Kevin Schneider, Nicole Pitkorchemny

Report Summary

Lab Sample ID(s): S63111.01-S63111.18
Project: RACER Coldwater Road
Collected Date(s): 06/10/2024 - 06/12/2024
Submitted Date/Time: 06/12/2024 15:00
Sampled by: Kevin Schneider
P.O. #: 1940008845 TASK 37

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Maya Murshak
Technical Director

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

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
PFTrDA	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	67584-42-3
PFHxSA	Perfluorohexanesulfonamide	41997-13-1

Sample Summary (18 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S63111.01	OBG MW-24-06102024	Groundwater	06/10/24 15:06
S63111.02	OBG MW-18S-06112024	Groundwater	06/11/24 11:05
S63111.03	OBG MW-13-06112024	Groundwater	06/11/24 11:24
S63111.04	OBG MW-9-06112024	Groundwater	06/11/24 14:00
S63111.05	OBG MW-29-06112024	Groundwater	06/11/24 12:45
S63111.06	OBG MW-23-06112024	Groundwater	06/11/24 14:20
S63111.07	OBG MW-12S-06112024	Groundwater	06/11/24 15:15
S63111.08	OBG MW-28-06112024	Groundwater	06/11/24 15:28
S63111.09	OBG MW-17S-06112024	Groundwater	06/11/24 16:10
S63111.10	OBG MW-21-06122024	Groundwater	06/12/24 10:42
S63111.11	OBG MW-26R-06122024	Groundwater	06/12/24 10:15
S63111.12	OBG MW-27R-06122024	Groundwater	06/12/24 10:55
S63111.13	MW-DUP-1-06122024	Groundwater	06/12/24 00:01
S63111.14	MW-DUP-2-06122024	Groundwater	06/12/24 00:01
S63111.15	OBG MW-11-06122024	Groundwater	06/12/24 11:50
S63111.16	Field Blank-06122024	Liquid	06/12/24 11:48
S63111.17	OBG MW-22-06122024	Groundwater	06/12/24 12:20
S63111.18	OBG MW-14-06122024	Groundwater	06/12/24 13:04

Analytical Laboratory Report

Lab Sample ID: S63111.01
Sample Tag: OBG MW-24-06102024
Collected Date/Time: 06/10/2024 15:06
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.74/6.40/10	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 17:20, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.4	1.9	ng/L	1.87	375-22-4	
PFPeA*	Not detected	3.7	1.1	ng/L	1.87	2706-90-3	
4:2 FTSA*	Not detected	1.9	0.19	ng/L	1.87	757124-72-4	
PFHxA*	Not detected	1.9	1.1	ng/L	1.87	307-24-4	
PFBS*	Not detected	1.9	0.56	ng/L	1.87	375-73-5	
PFHpA*	Not detected	1.9	0.75	ng/L	1.87	375-85-9	
PFPeS*	Not detected	1.9	1.7	ng/L	1.87	2706-91-4	
6:2 FTSA*	Not detected	1.9	0.94	ng/L	1.87	27619-97-2	
PFOA*	Not detected	1.9	0.75	ng/L	1.87	335-67-1	
PFHxS*	Not detected	1.9	0.94	ng/L	1.87	355-46-4	
PFHxS-LN*	Not detected	1.9	0.94	ng/L	1.87	355-46-4-LN	
PFHxS-BR*	Not detected	1.9	0.94	ng/L	1.87	355-46-4-BR	
PFNA*	Not detected	1.9	0.94	ng/L	1.87	375-95-1	
8:2 FTSA*	Not detected	1.9	1.1	ng/L	1.87	39108-34-4	
PFHpS*	Not detected	1.9	0.75	ng/L	1.87	375-92-8	
PFDA*	Not detected	1.9	1.1	ng/L	1.87	335-76-2	
N-MeFOSAA*	Not detected	1.9	0.94	ng/L	1.87	2355-31-9	
EtFOSAA*	Not detected	3.7	0.94	ng/L	1.87	2991-50-6	
PFOS*	Not detected	1.9	0.75	ng/L	1.87	1763-23-1	
PFOS-LN*	Not detected	1.9	0.75	ng/L	1.87	1763-23-1-LN	
PFOS-BR*	Not detected	1.9	0.75	ng/L	1.87	1763-23-1-BR	
PFUnDA*	Not detected	1.9	0.75	ng/L	1.87	2058-94-8	
PFNS*	Not detected	1.9	0.94	ng/L	1.87	68259-12-1	
PFDoDA*	Not detected	1.9	0.56	ng/L	1.87	307-55-1	
PFDS*	Not detected	1.9	0.94	ng/L	1.87	335-77-3	
PFTrDA*	Not detected	1.9	0.75	ng/L	1.87	72629-94-8	
FOSA*	Not detected	1.9	0.75	ng/L	1.87	754-91-6	
PFTeDA*	Not detected	3.7	0.56	ng/L	1.87	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9	0.94	ng/L	1.87	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9	0.94	ng/L	1.87	756426-58-1	
ADONA*	Not detected	1.9	0.56	ng/L	1.87	919005-14-4	
HFPO-DA*	Not detected	9.4	1.9	ng/L	1.87	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.4	7.5	ng/L	1.87	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.4	3.7	ng/L	1.87	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.4	3.7	ng/L	1.87	356-02-5	
PFBSA*	Not detected	1.9	0.56	ng/L	1.87	30334-69-1	
PFECHS*	Not detected	1.9	0.75	ng/L	1.87	67584-42-3	

Lab Sample ID: S63111.01 (continued)
Sample Tag: OBG MW-24-06102024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 17:20, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	1.9	0.56	ng/L	1.87	41997-13-1	

Lab Sample ID: S63111.02
Sample Tag: OBG MW-18S-06112024
Collected Date/Time: 06/11/2024 11:05
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.02/6.52/11	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 18:00, Analyst: KCV

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*	0.80	2.0	0.60	ng/L	2	375-73-5	J
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*	2.2	2.0	1.0	ng/L	2	355-46-4	
PFHxS-LN*	1.5	2.0	1.0	ng/L	2	355-46-4-LN	J
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	
PFTrDA*	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

Lab Sample ID: S63111.02 (continued)
Sample Tag: OBG MW-18S-06112024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 18:00, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	7.7	2.0	0.80	ng/L	2	67584-42-3	
PFHxSA*	Not detected	2.0	0.60	ng/L	2	41997-13-1	

Lab Sample ID: S63111.03
Sample Tag: OBG MW-13-06112024
Collected Date/Time: 06/11/2024 11:24
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.59/6.44/10	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 18:40, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.7	1.9	ng/L	1.94	375-22-4	
PFPeA*	Not detected	3.9	1.2	ng/L	1.94	2706-90-3	
4:2 FTSA*	Not detected	1.9	0.19	ng/L	1.94	757124-72-4	
PFHxA*	Not detected	1.9	1.2	ng/L	1.94	307-24-4	
PFBS*	Not detected	1.9	0.58	ng/L	1.94	375-73-5	
PFHpA*	Not detected	1.9	0.78	ng/L	1.94	375-85-9	
PFPeS*	Not detected	1.9	1.7	ng/L	1.94	2706-91-4	
6:2 FTSA*	Not detected	1.9	0.97	ng/L	1.94	27619-97-2	
PFOA*	Not detected	1.9	0.78	ng/L	1.94	335-67-1	
PFHxS*	Not detected	1.9	0.97	ng/L	1.94	355-46-4	
PFHxS-LN*	Not detected	1.9	0.97	ng/L	1.94	355-46-4-LN	
PFHxS-BR*	Not detected	1.9	0.97	ng/L	1.94	355-46-4-BR	
PFNA*	Not detected	1.9	0.97	ng/L	1.94	375-95-1	
8:2 FTSA*	Not detected	1.9	1.2	ng/L	1.94	39108-34-4	
PFHpS*	Not detected	1.9	0.78	ng/L	1.94	375-92-8	
PFDA*	Not detected	1.9	1.2	ng/L	1.94	335-76-2	
N-MeFOSAA*	Not detected	1.9	0.97	ng/L	1.94	2355-31-9	
EtFOSAA*	Not detected	3.9	0.97	ng/L	1.94	2991-50-6	
PFOS*	Not detected	1.9	0.78	ng/L	1.94	1763-23-1	
PFOS-LN*	Not detected	1.9	0.78	ng/L	1.94	1763-23-1-LN	
PFOS-BR*	Not detected	1.9	0.78	ng/L	1.94	1763-23-1-BR	
PFUnDA*	Not detected	1.9	0.78	ng/L	1.94	2058-94-8	
PFNS*	Not detected	1.9	0.97	ng/L	1.94	68259-12-1	
PFDoDA*	Not detected	1.9	0.58	ng/L	1.94	307-55-1	
PFDS*	Not detected	1.9	0.97	ng/L	1.94	335-77-3	
PFTrDA*	Not detected	1.9	0.78	ng/L	1.94	72629-94-8	
FOSA*	Not detected	1.9	0.78	ng/L	1.94	754-91-6	
PFTeDA*	Not detected	3.9	0.58	ng/L	1.94	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9	0.97	ng/L	1.94	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9	0.97	ng/L	1.94	756426-58-1	
ADONA*	Not detected	1.9	0.58	ng/L	1.94	919005-14-4	
HFPO-DA*	Not detected	9.7	1.9	ng/L	1.94	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.7	7.8	ng/L	1.94	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.7	3.9	ng/L	1.94	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.7	3.9	ng/L	1.94	356-02-5	
PFBSA*	Not detected	1.9	0.58	ng/L	1.94	30334-69-1	
PFECHS*	Not detected	1.9	0.78	ng/L	1.94	67584-42-3	

Lab Sample ID: S63111.03 (continued)
Sample Tag: OBG MW-13-06112024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 18:40, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	1.9	0.58	ng/L	1.94	41997-13-1	

Lab Sample ID: S63111.04
Sample Tag: OBG MW-9-06112024
Collected Date/Time: 06/11/2024 14:00
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.40/6.43/12	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 19:00, Analyst: KCV

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*	1.8	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*	1.0	2.0	0.80	ng/L	2.01	335-67-1	J
PFHxS*	2.7	2.0	1.0	ng/L	2.01	355-46-4	
PFHxS-LN*	2.2	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*	2.8	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*	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	
PFTrDA*	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

Lab Sample ID: S63111.04 (continued)

Sample Tag: OBG MW-9-06112024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 19:00, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	35	2.0	0.80	ng/L	2.01	67584-42-3	
PFHxSA*	Not detected	2.0	0.60	ng/L	2.01	41997-13-1	

Lab Sample ID: S63111.05
Sample Tag: OBG MW-29-06112024
Collected Date/Time: 06/11/2024 12:45
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.26/6.45/12	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 19:40, Analyst: KCV

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*	2.6	2.1	1.2	ng/L	2.07	307-24-4	
PFBS*	9.8	2.1	0.62	ng/L	2.07	375-73-5	
PFHpA*	Not detected	2.1	0.83	ng/L	2.07	375-85-9	
PFPeS*	16	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*	3.6	2.1	0.83	ng/L	2.07	335-67-1	
PFHxS*	27	2.1	1.0	ng/L	2.07	355-46-4	
PFHxS-LN*	19	2.1	1.0	ng/L	2.07	355-46-4-LN	
PFHxS-BR*	8.1	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*	Not detected	2.7	0.83	ng/L	2.07	1763-23-1	X
PFOS-LN*	Not detected	2.1	0.83	ng/L	2.07	1763-23-1-LN	
PFOS-BR*	Not detected	2.3	0.83	ng/L	2.07	1763-23-1-BR	X
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	
PFTrDA*	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	

X-Elevated reporting limit due to matrix interference

Lab Sample ID: S63111.05 (continued)
Sample Tag: OBG MW-29-06112024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 19:40, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	900	2.1	0.83	ng/L	2.07	67584-42-3	
PFHxSA*	Not detected	2.1	0.62	ng/L	2.07	41997-13-1	

Lab Sample ID: S63111.06
Sample Tag: OBG MW-23-06112024
Collected Date/Time: 06/11/2024 14:20
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.45/6.43/12	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 20:00, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10.0	2.0	ng/L	1.99	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	1.99	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.99	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	1.99	307-24-4	
PFBS*	Not detected	2.0	0.60	ng/L	1.99	375-73-5	
PFHpA*	Not detected	2.0	0.80	ng/L	1.99	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	1.99	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.00	ng/L	1.99	27619-97-2	
PFOA*	Not detected	2.0	0.80	ng/L	1.99	335-67-1	
PFHxS*	Not detected	2.0	1.00	ng/L	1.99	355-46-4	
PFHxS-LN*	Not detected	2.0	1.00	ng/L	1.99	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	1.00	ng/L	1.99	355-46-4-BR	
PFNA*	Not detected	2.0	1.00	ng/L	1.99	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.99	39108-34-4	
PFHpS*	Not detected	2.0	0.80	ng/L	1.99	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.99	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.00	ng/L	1.99	2355-31-9	
EtFOSAA*	Not detected	4.0	1.00	ng/L	1.99	2991-50-6	
PFOS*	Not detected	2.0	0.80	ng/L	1.99	1763-23-1	
PFOS-LN*	Not detected	2.0	0.80	ng/L	1.99	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.80	ng/L	1.99	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.80	ng/L	1.99	2058-94-8	
PFNS*	Not detected	2.0	1.00	ng/L	1.99	68259-12-1	
PFDoDA*	Not detected	2.0	0.60	ng/L	1.99	307-55-1	
PFDS*	Not detected	2.0	1.00	ng/L	1.99	335-77-3	
PFTrDA*	Not detected	2.0	0.80	ng/L	1.99	72629-94-8	
FOSA*	Not detected	2.0	0.80	ng/L	1.99	754-91-6	
PFTeDA*	Not detected	4.0	0.60	ng/L	1.99	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.00	ng/L	1.99	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.00	ng/L	1.99	756426-58-1	
ADONA*	Not detected	2.0	0.60	ng/L	1.99	919005-14-4	
HFPO-DA*	Not detected	10.0	2.0	ng/L	1.99	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10.0	8.0	ng/L	1.99	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10.0	4.0	ng/L	1.99	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10.0	4.0	ng/L	1.99	356-02-5	
PFBSA*	Not detected	2.0	0.60	ng/L	1.99	30334-69-1	
PFECHS*	Not detected	2.0	0.80	ng/L	1.99	67584-42-3	

Lab Sample ID: S63111.06 (continued)
Sample Tag: OBG MW-23-06112024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 20:00, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.0	0.60	ng/L	1.99	41997-13-1	

Lab Sample ID: S63111.07
Sample Tag: OBG MW-12S-06112024
Collected Date/Time: 06/11/2024 15:15
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.81/6.44/11	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 20:20, Analyst: KCV

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*	2.7	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*	3.8	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*	13	2.1	1.0	ng/L	2.05	355-46-4	
PFHxS-LN*	10	2.1	1.0	ng/L	2.05	355-46-4-LN	
PFHxS-BR*	1.8	2.1	1.0	ng/L	2.05	355-46-4-BR	J
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*	4.1	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*	160	2.1	0.82	ng/L	2.05	1763-23-1	
PFOS-LN*	31	2.1	0.82	ng/L	2.05	1763-23-1-LN	
PFOS-BR*	120	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	
PFTrDA*	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

Lab Sample ID: S63111.07 (continued)

Sample Tag: OBG MW-12S-06112024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 20:20, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	740	2.1	0.82	ng/L	2.05	67584-42-3	
PFHxSA*	Not detected	2.1	0.62	ng/L	2.05	41997-13-1	

Analytical Laboratory Report

Lab Sample ID: S63111.08
Sample Tag: OBG MW-28-06112024
Collected Date/Time: 06/11/2024 15:28
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.27/6.46/10	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 20:40, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	8.6	1.7	ng/L	1.72	375-22-4	
PFPeA*	Not detected	3.4	1.0	ng/L	1.72	2706-90-3	
4:2 FTSA*	Not detected	1.7	0.17	ng/L	1.72	757124-72-4	
PFHxA*	Not detected	1.7	1.0	ng/L	1.72	307-24-4	
PFBS*	1.4	1.7	0.52	ng/L	1.72	375-73-5	J
PFHpA*	Not detected	1.7	0.69	ng/L	1.72	375-85-9	
PFPeS*	Not detected	1.7	1.5	ng/L	1.72	2706-91-4	
6:2 FTSA*	Not detected	1.7	0.86	ng/L	1.72	27619-97-2	
PFOA*	4.7	1.7	0.69	ng/L	1.72	335-67-1	
PFHxS*	Not detected	1.7	0.86	ng/L	1.72	355-46-4	
PFHxS-LN*	Not detected	1.7	0.86	ng/L	1.72	355-46-4-LN	
PFHxS-BR*	Not detected	1.7	0.86	ng/L	1.72	355-46-4-BR	
PFNA*	Not detected	1.7	0.86	ng/L	1.72	375-95-1	
8:2 FTSA*	Not detected	1.7	1.0	ng/L	1.72	39108-34-4	
PFHpS*	Not detected	1.7	0.69	ng/L	1.72	375-92-8	
PFDA*	Not detected	1.7	1.0	ng/L	1.72	335-76-2	
N-MeFOSAA*	Not detected	1.7	0.86	ng/L	1.72	2355-31-9	
EtFOSAA*	Not detected	3.4	0.86	ng/L	1.72	2991-50-6	
PFOS*	Not detected	1.7	0.69	ng/L	1.72	1763-23-1	
PFOS-LN*	Not detected	1.7	0.69	ng/L	1.72	1763-23-1-LN	
PFOS-BR*	Not detected	1.7	0.69	ng/L	1.72	1763-23-1-BR	
PFUnDA*	Not detected	1.7	0.69	ng/L	1.72	2058-94-8	
PFNS*	Not detected	1.7	0.86	ng/L	1.72	68259-12-1	
PFDoDA*	Not detected	1.7	0.52	ng/L	1.72	307-55-1	
PFDS*	Not detected	1.7	0.86	ng/L	1.72	335-77-3	
PFTrDA*	Not detected	1.7	0.69	ng/L	1.72	72629-94-8	
FOSA*	Not detected	1.7	0.69	ng/L	1.72	754-91-6	
PFTeDA*	Not detected	3.4	0.52	ng/L	1.72	376-06-7	
11Cl-PF3OUdS*	Not detected	1.7	0.86	ng/L	1.72	763051-92-9	
9Cl-PF3ONS*	Not detected	1.7	0.86	ng/L	1.72	756426-58-1	
ADONA*	Not detected	1.7	0.52	ng/L	1.72	919005-14-4	
HFPO-DA*	Not detected	8.6	1.7	ng/L	1.72	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	8.6	6.9	ng/L	1.72	812-70-4	
FPePA (5:3 FTCA)*	Not detected	8.6	3.4	ng/L	1.72	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	8.6	3.4	ng/L	1.72	356-02-5	
PFBSA*	Not detected	1.7	0.52	ng/L	1.72	30334-69-1	

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

Lab Sample ID: S63111.08 (continued)
Sample Tag: OBG MW-28-06112024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 20:40, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	3.5	1.7	0.69	ng/L	1.72	67584-42-3	
PFHxSA*	Not detected	1.7	0.52	ng/L	1.72	41997-13-1	

Lab Sample ID: S63111.09
Sample Tag: OBG MW-17S-06112024
Collected Date/Time: 06/11/2024 16:10
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.04/6.46/11	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 21:00, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	6.4	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*	2.7	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*	2.5	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*	3.3	2.0	0.79	ng/L	1.97	335-67-1	
PFHxS*	8.9	2.0	0.99	ng/L	1.97	355-46-4	
PFHxS-LN*	7.2	2.0	0.99	ng/L	1.97	355-46-4-LN	
PFHxS-BR*	1.7	2.0	0.99	ng/L	1.97	355-46-4-BR	J
PFNA*	Not detected	2.0	0.99	ng/L	1.97	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.97	39108-34-4	
PFHpS*	4.6	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*	480	2.0	0.79	ng/L	1.97	1763-23-1	
PFOS-LN*	270	2.0	0.79	ng/L	1.97	1763-23-1-LN	
PFOS-BR*	190	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	
PFTrDA*	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

Lab Sample ID: S63111.09 (continued)
Sample Tag: OBG MW-17S-06112024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 21:00, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	660	2.0	0.79	ng/L	1.97	67584-42-3	
PFHxSA*	Not detected	2.0	0.59	ng/L	1.97	41997-13-1	

Lab Sample ID: S63111.10
Sample Tag: OBG MW-21-06122024
Collected Date/Time: 06/12/2024 10:42
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.51/6.45/12	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 21:20, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	4.1	9.9	2.0	ng/L	1.98	375-22-4	J
PFPeA*	Not detected	4.0	1.2	ng/L	1.98	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.98	757124-72-4	
PFHxA*	1.2	2.0	1.2	ng/L	1.98	307-24-4	J
PFBS*	1.8	2.0	0.59	ng/L	1.98	375-73-5	J
PFHpA*	Not detected	2.0	0.79	ng/L	1.98	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	1.98	2706-91-4	
6:2 FTSA*	Not detected	2.0	0.99	ng/L	1.98	27619-97-2	
PFOA*	Not detected	2.0	0.79	ng/L	1.98	335-67-1	
PFHxS*	2.0	2.0	0.99	ng/L	1.98	355-46-4	
PFHxS-LN*	Not detected	2.0	0.99	ng/L	1.98	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	0.99	ng/L	1.98	355-46-4-BR	
PFNA*	Not detected	2.0	0.99	ng/L	1.98	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.98	39108-34-4	
PFHpS*	Not detected	2.0	0.79	ng/L	1.98	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.98	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.99	ng/L	1.98	2355-31-9	
EtFOSAA*	Not detected	4.0	0.99	ng/L	1.98	2991-50-6	
PFOS*	Not detected	2.0	0.79	ng/L	1.98	1763-23-1	
PFOS-LN*	Not detected	2.0	0.79	ng/L	1.98	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.79	ng/L	1.98	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.79	ng/L	1.98	2058-94-8	
PFNS*	Not detected	2.0	0.99	ng/L	1.98	68259-12-1	
PFDoDA*	Not detected	2.0	0.59	ng/L	1.98	307-55-1	
PFDS*	Not detected	2.0	0.99	ng/L	1.98	335-77-3	
PFTrDA*	Not detected	2.0	0.79	ng/L	1.98	72629-94-8	
FOSA*	Not detected	2.0	0.79	ng/L	1.98	754-91-6	
PFTeDA*	Not detected	4.0	0.59	ng/L	1.98	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.99	ng/L	1.98	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.99	ng/L	1.98	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.98	919005-14-4	
HFPO-DA*	Not detected	9.9	2.0	ng/L	1.98	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.9	7.9	ng/L	1.98	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.9	4.0	ng/L	1.98	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.9	4.0	ng/L	1.98	356-02-5	
PFBSA*	Not detected	2.0	0.59	ng/L	1.98	30334-69-1	

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

Lab Sample ID: S63111.10 (continued)
Sample Tag: OBG MW-21-06122024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 21:20, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	190	2.0	0.79	ng/L	1.98	67584-42-3	
PFHxSA*	Not detected	2.0	0.59	ng/L	1.98	41997-13-1	

Lab Sample ID: S63111.11
Sample Tag: OBG MW-26R-06122024
Collected Date/Time: 06/12/2024 10:15
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.37/6.45/12	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 21:40, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	41	10	2.0	ng/L	2.03	375-22-4	
PFPeA*	37	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*	20	2.0	1.2	ng/L	2.03	307-24-4	
PFBS*	5.4	2.0	0.61	ng/L	2.03	375-73-5	
PFHpA*	5.4	2.0	0.81	ng/L	2.03	375-85-9	
PFPeS*	9.2	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*	22	2.0	0.81	ng/L	2.03	335-67-1	
PFHxS*	38	2.0	1.0	ng/L	2.03	355-46-4	
PFHxS-LN*	33	2.0	1.0	ng/L	2.03	355-46-4-LN	
PFHxS-BR*	2.7	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*	10	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*	270	2.0	0.81	ng/L	2.03	1763-23-1	
PFOS-LN*	56	2.0	0.81	ng/L	2.03	1763-23-1-LN	
PFOS-BR*	210	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	
PFTrDA*	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*	1,100	2.0	0.81	ng/L	2.03	67584-42-3	

Lab Sample ID: S63111.11 (continued)
Sample Tag: OBG MW-26R-06122024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 21:40, Analyst: KCV (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: S63111.12
Sample Tag: OBG MW-27R-06122024
Collected Date/Time: 06/12/2024 10:55
Matrix: Groundwater
COC Reference: 167394

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.69/6.47/10	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 22:00, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	5.1	9.6	1.9	ng/L	1.92	375-22-4	J
PFPeA*	Not detected	3.8	1.2	ng/L	1.92	2706-90-3	
4:2 FTSA*	Not detected	1.9	0.19	ng/L	1.92	757124-72-4	
PFHxA*	2.1	1.9	1.2	ng/L	1.92	307-24-4	
PFBS*	8.8	1.9	0.58	ng/L	1.92	375-73-5	
PFHpA*	Not detected	1.9	0.77	ng/L	1.92	375-85-9	
PFPeS*	16	1.9	1.7	ng/L	1.92	2706-91-4	
6:2 FTSA*	Not detected	1.9	0.96	ng/L	1.92	27619-97-2	
PFOA*	5.2	1.9	0.77	ng/L	1.92	335-67-1	
PFHxS*	30	1.9	0.96	ng/L	1.92	355-46-4	
PFHxS-LN*	22	1.9	0.96	ng/L	1.92	355-46-4-LN	
PFHxS-BR*	7.4	1.9	0.96	ng/L	1.92	355-46-4-BR	
PFNA*	Not detected	1.9	0.96	ng/L	1.92	375-95-1	
8:2 FTSA*	Not detected	1.9	1.2	ng/L	1.92	39108-34-4	
PFHpS*	Not detected	1.9	0.77	ng/L	1.92	375-92-8	
PFDA*	Not detected	1.9	1.2	ng/L	1.92	335-76-2	
N-MeFOSAA*	Not detected	1.9	0.96	ng/L	1.92	2355-31-9	
EtFOSAA*	Not detected	3.8	0.96	ng/L	1.92	2991-50-6	
PFOS*	14	1.9	0.77	ng/L	1.92	1763-23-1	
PFOS-LN*	Not detected	1.9	0.77	ng/L	1.92	1763-23-1-LN	
PFOS-BR*	13	1.9	0.77	ng/L	1.92	1763-23-1-BR	
PFUnDA*	Not detected	1.9	0.77	ng/L	1.92	2058-94-8	
PFNS*	Not detected	1.9	0.96	ng/L	1.92	68259-12-1	
PFDoDA*	Not detected	1.9	0.58	ng/L	1.92	307-55-1	
PFDS*	Not detected	1.9	0.96	ng/L	1.92	335-77-3	
PFTrDA*	Not detected	1.9	0.77	ng/L	1.92	72629-94-8	
FOSA*	Not detected	1.9	0.77	ng/L	1.92	754-91-6	
PFTeDA*	Not detected	3.8	0.58	ng/L	1.92	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9	0.96	ng/L	1.92	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9	0.96	ng/L	1.92	756426-58-1	
ADONA*	Not detected	1.9	0.58	ng/L	1.92	919005-14-4	
HFPO-DA*	Not detected	9.6	1.9	ng/L	1.92	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.6	7.7	ng/L	1.92	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.6	3.8	ng/L	1.92	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.6	3.8	ng/L	1.92	356-02-5	
PFBSA*	Not detected	1.9	0.58	ng/L	1.92	30334-69-1	

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

Lab Sample ID: S63111.12 (continued)

Sample Tag: OBG MW-27R-06122024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 22:00, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	1,000	1.9	0.77	ng/L	1.92	67584-42-3	
PFHxSA*	Not detected	1.9	0.58	ng/L	1.92	41997-13-1	

Lab Sample ID: S63111.13
Sample Tag: MW-DUP-1-06122024
Collected Date/Time: 06/12/2024 00:01
Matrix: Groundwater
COC Reference: 155555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.79/6.46/11	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 22:20, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	24	10	2.1	ng/L	2.06	375-22-4	
PFPeA*	6.4	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*	14	2.1	1.2	ng/L	2.06	307-24-4	
PFBS*	55	2.1	0.62	ng/L	2.06	375-73-5	
PFHpA*	5.5	2.1	0.82	ng/L	2.06	375-85-9	
PFPeS*	92	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*	28	2.1	0.82	ng/L	2.06	335-67-1	
PFHxS*	320	2.1	1.0	ng/L	2.06	355-46-4	
PFHxS-LN*	270	2.1	1.0	ng/L	2.06	355-46-4-LN	
PFHxS-BR*	53	2.1	1.0	ng/L	2.06	355-46-4-BR	
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*	8.7	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*	97	2.1	0.82	ng/L	2.06	1763-23-1	
PFOS-LN*	16	2.1	0.82	ng/L	2.06	1763-23-1-LN	
PFOS-BR*	76	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	
PFTrDA*	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	
PFECHS*	2,100	2.1	0.82	ng/L	2.06	67584-42-3	

Lab Sample ID: S63111.13 (continued)
Sample Tag: MW-DUP-1-06122024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 22:20, Analyst: KCV (continued)

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

Lab Sample ID: S63111.14
Sample Tag: MW-DUP-2-06122024
Collected Date/Time: 06/12/2024 00:01
Matrix: Groundwater
COC Reference: 155555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.25/6.48/12	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 22:40, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	22	10	2.1	ng/L	2.08	375-22-4	
PFPeA*	6.1	4.2	1.2	ng/L	2.08	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.08	757124-72-4	
PFHxA*	4.2	2.1	1.2	ng/L	2.08	307-24-4	
PFBS*	16	2.1	0.62	ng/L	2.08	375-73-5	
PFHpA*	2.8	2.1	0.83	ng/L	2.08	375-85-9	
PFPeS*	43	2.1	1.9	ng/L	2.08	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.08	27619-97-2	
PFOA*	28	2.1	0.83	ng/L	2.08	335-67-1	
PFHxS*	170	2.1	1.0	ng/L	2.08	355-46-4	
PFHxS-LN*	150	2.1	1.0	ng/L	2.08	355-46-4-LN	
PFHxS-BR*	25	2.1	1.0	ng/L	2.08	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.08	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.08	39108-34-4	
PFHpS*	46	2.1	0.83	ng/L	2.08	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.08	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.08	2355-31-9	
EtFOSAA*	Not detected	4.2	1.0	ng/L	2.08	2991-50-6	
PFOS*	1,700	2.1	0.83	ng/L	2.08	1763-23-1	
PFOS-LN*	790	2.1	0.83	ng/L	2.08	1763-23-1-LN	
PFOS-BR*	920	2.1	0.83	ng/L	2.08	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.83	ng/L	2.08	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.08	68259-12-1	
PFDoDA*	Not detected	2.1	0.62	ng/L	2.08	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.08	335-77-3	
PFTrDA*	Not detected	2.1	0.83	ng/L	2.08	72629-94-8	
FOSA*	Not detected	2.1	0.83	ng/L	2.08	754-91-6	
PFTeDA*	Not detected	4.2	0.62	ng/L	2.08	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.08	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.0	ng/L	2.08	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.08	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.08	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.3	ng/L	2.08	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.2	ng/L	2.08	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.2	ng/L	2.08	356-02-5	
PFBSA*	Not detected	2.1	0.62	ng/L	2.08	30334-69-1	
PFECHS*	4,900	2.1	0.83	ng/L	2.08	67584-42-3	

Lab Sample ID: S63111.14 (continued)
Sample Tag: MW-DUP-2-06122024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 22:40, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.1	0.62	ng/L	2.08	41997-13-1	

Lab Sample ID: S63111.15
Sample Tag: OBG MW-11-06122024
Collected Date/Time: 06/12/2024 11:50
Matrix: Groundwater
COC Reference: 155555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.48/6.43/12	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 23:00, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	23	9.9	2.0	ng/L	1.98	375-22-4	
PFPeA*	5.9	4.0	1.2	ng/L	1.98	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.98	757124-72-4	
PFHxA*	13	2.0	1.2	ng/L	1.98	307-24-4	
PFBS*	54	2.0	0.59	ng/L	1.98	375-73-5	
PFHpA*	4.6	2.0	0.79	ng/L	1.98	375-85-9	
PFPeS*	87	2.0	1.8	ng/L	1.98	2706-91-4	
6:2 FTSA*	Not detected	2.0	0.99	ng/L	1.98	27619-97-2	
PFOA*	27	2.0	0.79	ng/L	1.98	335-67-1	
PFHxS*	310	2.0	0.99	ng/L	1.98	355-46-4	
PFHxS-LN*	260	2.0	0.99	ng/L	1.98	355-46-4-LN	
PFHxS-BR*	52	2.0	0.99	ng/L	1.98	355-46-4-BR	
PFNA*	Not detected	2.0	0.99	ng/L	1.98	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.98	39108-34-4	
PFHpS*	8.1	2.0	0.79	ng/L	1.98	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.98	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.99	ng/L	1.98	2355-31-9	
EtFOSAA*	Not detected	4.0	0.99	ng/L	1.98	2991-50-6	
PFOS*	94	2.0	0.79	ng/L	1.98	1763-23-1	
PFOS-LN*	14	2.0	0.79	ng/L	1.98	1763-23-1-LN	
PFOS-BR*	75	2.0	0.79	ng/L	1.98	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.79	ng/L	1.98	2058-94-8	
PFNS*	Not detected	2.0	0.99	ng/L	1.98	68259-12-1	
PFDoDA*	Not detected	2.0	0.59	ng/L	1.98	307-55-1	
PFDS*	Not detected	2.0	0.99	ng/L	1.98	335-77-3	
PFTrDA*	Not detected	2.0	0.79	ng/L	1.98	72629-94-8	
FOSA*	Not detected	2.0	0.79	ng/L	1.98	754-91-6	
PFTeDA*	Not detected	4.0	0.59	ng/L	1.98	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.99	ng/L	1.98	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.99	ng/L	1.98	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.98	919005-14-4	
HFPO-DA*	Not detected	9.9	2.0	ng/L	1.98	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.9	7.9	ng/L	1.98	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.9	4.0	ng/L	1.98	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.9	4.0	ng/L	1.98	356-02-5	
PFBSA*	Not detected	2.0	0.59	ng/L	1.98	30334-69-1	
PFECHS*	2,200	2.0	0.79	ng/L	1.98	67584-42-3	

Lab Sample ID: S63111.15 (continued)
Sample Tag: OBG MW-11-06122024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 23:00, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.0	0.59	ng/L	1.98	41997-13-1	

Lab Sample ID: S63111.16
Sample Tag: Field Blank-06122024
Collected Date/Time: 06/12/2024 11:48
Matrix: Liquid
COC Reference: 155555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.59/6.49/10	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 23:20, Analyst: KCV

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	
PFTrDA*	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	67584-42-3	

Lab Sample ID: S63111.16 (continued)

Sample Tag: Field Blank-06122024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 23:20, Analyst: KCV (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: S63111.17
Sample Tag: OBG MW-22-06122024
Collected Date/Time: 06/12/2024 12:20
Matrix: Groundwater
COC Reference: 155555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.67/6.44/10	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 23:40, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	8.0	9.6	1.9	ng/L	1.91	375-22-4	J
PFPeA*	Not detected	3.8	1.1	ng/L	1.91	2706-90-3	
4:2 FTSA*	Not detected	1.9	0.19	ng/L	1.91	757124-72-4	
PFHxA*	Not detected	1.9	1.1	ng/L	1.91	307-24-4	
PFBS*	4.1	1.9	0.57	ng/L	1.91	375-73-5	
PFHpA*	Not detected	1.9	0.76	ng/L	1.91	375-85-9	
PFPeS*	5.7	1.9	1.7	ng/L	1.91	2706-91-4	
6:2 FTSA*	Not detected	1.9	0.96	ng/L	1.91	27619-97-2	
PFOA*	4.5	1.9	0.76	ng/L	1.91	335-67-1	
PFHxS*	28	1.9	0.96	ng/L	1.91	355-46-4	
PFHxS-LN*	24	1.9	0.96	ng/L	1.91	355-46-4-LN	
PFHxS-BR*	3.4	1.9	0.96	ng/L	1.91	355-46-4-BR	
PFNA*	Not detected	1.9	0.96	ng/L	1.91	375-95-1	
8:2 FTSA*	Not detected	1.9	1.1	ng/L	1.91	39108-34-4	
PFHpS*	20	1.9	0.76	ng/L	1.91	375-92-8	
PFDA*	Not detected	1.9	1.1	ng/L	1.91	335-76-2	
N-MeFOSAA*	Not detected	1.9	0.96	ng/L	1.91	2355-31-9	
EtFOSAA*	Not detected	3.8	0.96	ng/L	1.91	2991-50-6	
PFOS*	2,000	1.9	0.76	ng/L	1.91	1763-23-1	
PFOS-LN*	1,200	1.9	0.76	ng/L	1.91	1763-23-1-LN	
PFOS-BR*	770	1.9	0.76	ng/L	1.91	1763-23-1-BR	
PFUnDA*	Not detected	1.9	0.76	ng/L	1.91	2058-94-8	
PFNS*	Not detected	1.9	0.96	ng/L	1.91	68259-12-1	
PFDoDA*	Not detected	1.9	0.57	ng/L	1.91	307-55-1	
PFDS*	Not detected	1.9	0.96	ng/L	1.91	335-77-3	
PFTrDA*	Not detected	1.9	0.76	ng/L	1.91	72629-94-8	
FOSA*	Not detected	1.9	0.76	ng/L	1.91	754-91-6	
PFTeDA*	Not detected	3.8	0.57	ng/L	1.91	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9	0.96	ng/L	1.91	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9	0.96	ng/L	1.91	756426-58-1	
ADONA*	Not detected	1.9	0.57	ng/L	1.91	919005-14-4	
HFPO-DA*	Not detected	9.6	1.9	ng/L	1.91	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.6	7.6	ng/L	1.91	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.6	3.8	ng/L	1.91	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.6	3.8	ng/L	1.91	356-02-5	
PFBSA*	Not detected	1.9	0.57	ng/L	1.91	30334-69-1	

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

Lab Sample ID: S63111.17 (continued)
Sample Tag: OBG MW-22-06122024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/14/24 23:40, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	1,400	1.9	0.76	ng/L	1.91	67584-42-3	
PFHxSA*	Not detected	1.9	0.57	ng/L	1.91	41997-13-1	

Analytical Laboratory Report

Lab Sample ID: S63111.18
Sample Tag: OBG MW-14-06122024
Collected Date/Time: 06/12/2024 13:04
Matrix: Groundwater
COC Reference: 155555

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.22/6.48/12	ASTMD7979-19M	06/13/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/15/24 00:00, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	21	10	2.1	ng/L	2.09	375-22-4	
PFPeA*	6.3	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*	5.0	2.1	1.3	ng/L	2.09	307-24-4	
PFBS*	19	2.1	0.63	ng/L	2.09	375-73-5	
PFHpA*	2.8	2.1	0.84	ng/L	2.09	375-85-9	
PFPeS*	45	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*	29	2.1	0.84	ng/L	2.09	335-67-1	
PFHxS*	170	2.1	1.0	ng/L	2.09	355-46-4	
PFHxS-LN*	150	2.1	1.0	ng/L	2.09	355-46-4-LN	
PFHxS-BR*	29	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*	46	2.1	0.84	ng/L	2.09	375-92-8	
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*	2,100	2.1	0.84	ng/L	2.09	1763-23-1	
PFOS-LN*	940	2.1	0.84	ng/L	2.09	1763-23-1-LN	
PFOS-BR*	1,200	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	
PFTrDA*	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	
PFECHS*	6,100	2.1	0.84	ng/L	2.09	67584-42-3	

Lab Sample ID: S63111.18 (continued)
Sample Tag: OBG MW-14-06122024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/15/24 00:00, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.1	0.63	ng/L	2.09	41997-13-1	

Merit Laboratories Login Checklist

Lab Set ID: S63111
Client: RAMBOLL (Ramboll Americas)
Project: RACER Coldwater Road
Submitted: 06/12/2024 15:00 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.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 4.0
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[X] Yes	[ ] No	[ ] N/A	COC adequately filled out	
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[X] Yes	[ ] No	[ ] N/A	Do sample have correct chemical preservation	
11.	[ ] Yes	[ ] No	[X] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[X] Yes	[ ] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[ ] No	[X] N/A	Do water VOC or TOX bottles contain headspace	

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

Client Review By: _____ Date: _____

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 2

167394

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Kantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211 P.O. NO.: 1940008845 Task 37
E-MAIL ADDRESS: Kevin.Schneider@Ramboll.com clifford.kantz@ramboll.com QUOTE NO.:

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RALER Coldwater Road
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES
Project Locations: ☐ Detroit ☐ New York ☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS (3475)	Special Instructions
63111.01	6/10/24	1506	OBG MW-24-06102024	GW	3	X							X	Low level Reporting
.02	6/11/24	1105	OBG MW-18S-06112024	GW	3	X							X	with estimated values
.03	6/11/24	1124	OBG MW-13-06112024	GW	3	X							X	
.04	6/11/24	1400	OBG MW-9-06112024	GW	3	X							X	34 PFAS List
.05	6/11/24	1245	OBG MW-29-06112024	GW	3	X							X	
.06	6/11/24	1420	OBG MW-23-06112024	GW	3	X							X	
.07	6/11/24	1515	OBG MW-12S-06112024	GW	3	X							X	
.08	6/11/24	1528	OBG MW-28-06112024	GW	3	X							X	
.09	6/11/24	1610	OBG MW-17S-06112024	GW	3	X							X	
.10	6/12/24	1042	OBG MW-21-06122024	GW	3	X							X	
.11	6/12/24	1015	OBG MW-26R-06122024	GW	3	X							X	
.12	6/12/24	1055	OBG MW-27R-06122024	GW	3	X							X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X Sampler	DATE 6/12/24	TIME 1328
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1328
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1500
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1500

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 4.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 1.26.22

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 2 OF 2

155555

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: RamOil
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211
E-MAIL ADDRESS: Kevin.Schneider@RamOilCo.com; Clifford.Yantz@RamOilCo.com
P.O. NO.: 1940008845 Task 37
QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RACER Coldwater Road
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES
Project Locations: ☐ Detroit ☐ New York ☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS (3475)	Special Instructions
63111.13	6/12/24	—	MW-DUP-1-06122024	GW	3	X							X	Low Level Reporting
.14	6/12/24	—	MW-DUP-2-06122024	GW	3	X							X	With estimated
.15	6/12/24	1150	OBG MW-11-06122024	GW	3	X							X	values
.16	6/12/24	1148	Field Blank-06122024	EB	1	X							X	
.17	6/12/24	1220	OBG-MW-22-06122024	GW	3	X							X	34 PFAS List
.18	6/12/24	1304	OBG MW-14-06122024	GW	3	X							X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☒ Sampler	DATE 6/12/24	TIME 1328	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1305	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1500	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1500	

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 4.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 1.26.22

Quality Control Report

Report ID: QC-S63111-01
Generated on 06/25/2024

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): S63111.01-S63111.18
Project: RACER Coldwater Road
Submitted Date/Time: 06/12/2024 15:00
Sampled by: Kevin Schneider
P.O. #: 1940008845 TASK 37

QC Report Sections

Cover Page (Page 1)
Analysis Summary (Pages 2-19)
Prep Batch Summary (Page 20)
Internal Standards per Lab Sample (Pages 21-38)
Internal Standards per QC Sample (Pages 39-43)
Batch QC Results (Pages 44-48)

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

Lab Sample ID: S63111.01

Sample Tag: OBG MW-24-06102024

Collected Date/Time: 06/10/2024 15:06

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 17:20	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.02

Sample Tag: OBG MW-18S-06112024

Collected Date/Time: 06/11/2024 11:05

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 18:00	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S63111.03
Sample Tag: OBG MW-13-06112024
Collected Date/Time: 06/11/2024 11:24
Matrix: Groundwater
COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 18:40	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.04

Sample Tag: OBG MW-9-06112024

Collected Date/Time: 06/11/2024 14:00

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 19:00	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.05

Sample Tag: OBG MW-29-06112024

Collected Date/Time: 06/11/2024 12:45

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 19:40	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.06

Sample Tag: OBG MW-23-06112024

Collected Date/Time: 06/11/2024 14:20

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 20:00	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.07

Sample Tag: OBG MW-12S-06112024

Collected Date/Time: 06/11/2024 15:15

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 20:20	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.08

Sample Tag: OBG MW-28-06112024

Collected Date/Time: 06/11/2024 15:28

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 20:40	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.09

Sample Tag: OBG MW-17S-06112024

Collected Date/Time: 06/11/2024 16:10

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 21:00	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.10

Sample Tag: OBG MW-21-06122024

Collected Date/Time: 06/12/2024 10:42

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 21:20	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.11

Sample Tag: OBG MW-26R-06122024

Collected Date/Time: 06/12/2024 10:15

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 21:40	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.12

Sample Tag: OBG MW-27R-06122024

Collected Date/Time: 06/12/2024 10:55

Matrix: Groundwater

COC Reference: 167394

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 22:00	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.13

Sample Tag: MW-DUP-1-06122024

Collected Date/Time: 06/12/2024 00:01

Matrix: Groundwater

COC Reference: 155555

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 22:20	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.14

Sample Tag: MW-DUP-2-06122024

Collected Date/Time: 06/12/2024 00:01

Matrix: Groundwater

COC Reference: 155555

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 22:40	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.15

Sample Tag: OBG MW-11-06122024

Collected Date/Time: 06/12/2024 11:50

Matrix: Groundwater

COC Reference: 155555

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 23:00	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.16

Sample Tag: Field Blank-06122024

Collected Date/Time: 06/12/2024 11:48

Matrix: Liquid

COC Reference: 155555

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 23:20	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.17

Sample Tag: OBG MW-22-06122024

Collected Date/Time: 06/12/2024 12:20

Matrix: Groundwater

COC Reference: 155555

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/14/24 23:40	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S63111.18

Sample Tag: OBG MW-14-06122024

Collected Date/Time: 06/12/2024 13:04

Matrix: Groundwater

COC Reference: 155555

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/15/24 00:00	AK240614	PF240613W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: PF240613W2

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S63111.01	34 PFAs	ASTMD7979-19M	06/14/24 17:20	AK240614
S63111.02	34 PFAs	ASTMD7979-19M	06/14/24 18:00	AK240614
S63111.03	34 PFAs	ASTMD7979-19M	06/14/24 18:40	AK240614
S63111.04	34 PFAs	ASTMD7979-19M	06/14/24 19:00	AK240614
S63111.05	34 PFAs	ASTMD7979-19M	06/14/24 19:40	AK240614
S63111.06	34 PFAs	ASTMD7979-19M	06/14/24 20:00	AK240614
S63111.07	34 PFAs	ASTMD7979-19M	06/14/24 20:20	AK240614
S63111.08	34 PFAs	ASTMD7979-19M	06/14/24 20:40	AK240614
S63111.09	34 PFAs	ASTMD7979-19M	06/14/24 21:00	AK240614
S63111.10	34 PFAs	ASTMD7979-19M	06/14/24 21:20	AK240614
S63111.11	34 PFAs	ASTMD7979-19M	06/14/24 21:40	AK240614
S63111.12	34 PFAs	ASTMD7979-19M	06/14/24 22:00	AK240614
S63111.13	34 PFAs	ASTMD7979-19M	06/14/24 22:20	AK240614
S63111.14	34 PFAs	ASTMD7979-19M	06/14/24 22:40	AK240614
S63111.15	34 PFAs	ASTMD7979-19M	06/14/24 23:00	AK240614
S63111.16	34 PFAs	ASTMD7979-19M	06/14/24 23:20	AK240614
S63111.17	34 PFAs	ASTMD7979-19M	06/14/24 23:40	AK240614
S63111.18	34 PFAs	ASTMD7979-19M	06/15/24 00:00	AK240614

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.01

Sample Tag: OBG MW-24-06102024

Collected Date/Time: 06/10/2024 15:06

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 17:20, Matrix: WW, Dilution: 1.87

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**90.4**	50.0	150.0
M2-6:2FTSA		**92.4**	50.0	150.0
M2-8:2FTSA		**94.8**	50.0	150.0
M2PFTeDA		**131.2**	12.0	218.0
M3PFBS		**108.0**	50.0	150.0
M3PFHxS		**94.6**	50.0	150.0
M4PFHpA		**108.2**	50.0	150.0
M5PFHxA		**113.0**	50.0	150.0
M5PFPeA		**102.8**	50.0	150.0
M6PFDA		**113.6**	50.0	150.0
M7PFUnDA		**108.0**	50.0	150.0
M8FOSA		**103.6**	50.0	150.0
M8PFOA		**107.0**	50.0	150.0
M8PFOS		**109.7**	50.0	150.0
M9-PFNA		**106.9**	50.0	150.0
MPFBA		**95.1**	50.0	150.0
MPFDoDA		**105.3**	50.0	150.0
d3N-MeFOSAA		**98.9**	50.0	150.0
d5EtFOSAA		**98.9**	50.0	150.0
MHFPO-DA		**108.3**	50.0	150.0
d-N-EtFOSA-M		**96.3**	50.0	150.0
d-N-MeFOSA-M		**111.0**	50.0	150.0
d7-N-MeFOSE-M		**104.2**	50.0	150.0
d9-N-EtFOSE-M		**106.1**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.02

Sample Tag: OBG MW-18S-06112024

Collected Date/Time: 06/11/2024 11:05

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 18:00, Matrix: WW, Dilution: 2

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**96.5**	50.0	150.0
M2-6:2FTSA		**90.9**	50.0	150.0
M2-8:2FTSA		**118.4**	50.0	150.0
M2PFTeDA		**141.8**	12.0	218.0
M3PFBS		**118.8**	50.0	150.0
M3PFHxS		**103.4**	50.0	150.0
M4PFHpA		**111.5**	50.0	150.0
M5PFHxA		**111.9**	50.0	150.0
M5PFPeA		**105.3**	50.0	150.0
M6PFDA		**125.7**	50.0	150.0
M7PFUnDA		**112.5**	50.0	150.0
M8FOSA		**107.1**	50.0	150.0
M8PFOA		**112.8**	50.0	150.0
M8PFOS		**113.3**	50.0	150.0
M9-PFNA		**119.2**	50.0	150.0
MPFBA		**98.7**	50.0	150.0
MPFDoDA		**109.2**	50.0	150.0
d3N-MeFOSAA		**98.3**	50.0	150.0
d5EtFOSAA		**100.3**	50.0	150.0
MHFPO-DA		**97.5**	50.0	150.0
d-N-EtFOSA-M		**113.6**	50.0	150.0
d-N-MeFOSA-M		**109.6**	50.0	150.0
d7-N-MeFOSE-M		**104.5**	50.0	150.0
d9-N-EtFOSE-M		**106.0**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.03

Sample Tag: OBG MW-13-06112024

Collected Date/Time: 06/11/2024 11:24

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 18:40, Matrix: WW, Dilution: 1.94

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**125.7**	50.0	150.0
M2-6:2FTSA		**100.1**	50.0	150.0
M2-8:2FTSA		**130.4**	50.0	150.0
M2PFTeDA		**162.7**	12.0	218.0
M3PFBS		**112.4**	50.0	150.0
M3PFHxS		**106.0**	50.0	150.0
M4PFHpA		**118.9**	50.0	150.0
M5PFHxA		**115.2**	50.0	150.0
M5PFPeA		**104.0**	50.0	150.0
M6PFDA		**116.8**	50.0	150.0
M7PFUnDA		**124.2**	50.0	150.0
M8FOSA		**109.0**	50.0	150.0
M8PFOA		**107.6**	50.0	150.0
M8PFOS		**116.1**	50.0	150.0
M9-PFNA		**118.4**	50.0	150.0
MPFBA		**92.7**	50.0	150.0
MPFDoDA		**117.1**	50.0	150.0
d3N-MeFOSAA		**99.9**	50.0	150.0
d5EtFOSAA		**105.6**	50.0	150.0
MHFPO-DA		**114.0**	50.0	150.0
d-N-EtFOSA-M		**109.0**	50.0	150.0
d-N-MeFOSA-M		**109.9**	50.0	150.0
d7-N-MeFOSE-M		**107.5**	50.0	150.0
d9-N-EtFOSE-M		**109.3**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.04

Sample Tag: OBG MW-9-06112024

Collected Date/Time: 06/11/2024 14:00

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 19:00, Matrix: WW, Dilution: 2.01

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**106.0**	50.0	150.0
M2-6:2FTSA		**96.7**	50.0	150.0
M2-8:2FTSA		**126.2**	50.0	150.0
M2PFTeDA		**151.2**	12.0	218.0
M3PFBS		**110.5**	50.0	150.0
M3PFHxS		**106.7**	50.0	150.0
M4PFHpA		**110.4**	50.0	150.0
M5PFHxA		**118.6**	50.0	150.0
M5PFPeA		**106.5**	50.0	150.0
M6PFDA		**113.9**	50.0	150.0
M7PFUnDA		**113.1**	50.0	150.0
M8FOSA		**110.2**	50.0	150.0
M8PFOA		**105.8**	50.0	150.0
M8PFOS		**112.4**	50.0	150.0
M9-PFNA		**111.1**	50.0	150.0
MPFBA		**99.3**	50.0	150.0
MPFDoDA		**114.7**	50.0	150.0
d3N-MeFOSAA		**100.5**	50.0	150.0
d5EtFOSAA		**116.1**	50.0	150.0
MHFPO-DA		**104.8**	50.0	150.0
d-N-EtFOSA-M		**113.4**	50.0	150.0
d-N-MeFOSA-M		**114.6**	50.0	150.0
d7-N-MeFOSE-M		**107.3**	50.0	150.0
d9-N-EtFOSE-M		**108.0**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.05

Sample Tag: OBG MW-29-06112024

Collected Date/Time: 06/11/2024 12:45

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 19:40, Matrix: WW, Dilution: 2.07

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**102.1**	50.0	150.0
M2-6:2FTSA		**93.3**	50.0	150.0
M2-8:2FTSA		**118.1**	50.0	150.0
M2PFTeDA		**135.5**	12.0	218.0
M3PFBS		**120.5**	50.0	150.0
M3PFHxS		**113.9**	50.0	150.0
M4PFHpA		**125.2**	50.0	150.0
M5PFHxA		**122.5**	50.0	150.0
M5PFPeA		**113.5**	50.0	150.0
M6PFDA		**113.0**	50.0	150.0
M7PFUnDA		**123.3**	50.0	150.0
M8FOSA		**117.2**	50.0	150.0
M8PFOA		**115.0**	50.0	150.0
M8PFOS		**122.0**	50.0	150.0
M9-PFNA		**117.2**	50.0	150.0
MPFBA		**107.9**	50.0	150.0
MPFDoDA		**111.5**	50.0	150.0
d3N-MeFOSAA		**114.1**	50.0	150.0
d5EtFOSAA		**105.1**	50.0	150.0
MHFPO-DA		**109.4**	50.0	150.0
d-N-EtFOSA-M		**115.8**	50.0	150.0
d-N-MeFOSA-M		**117.4**	50.0	150.0
d7-N-MeFOSE-M		**117.1**	50.0	150.0
d9-N-EtFOSE-M		**115.7**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.06

Sample Tag: OBG MW-23-06112024

Collected Date/Time: 06/11/2024 14:20

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 20:00, Matrix: WW, Dilution: 1.99

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**113.7**	50.0	150.0
M2-6:2FTSA		**98.5**	50.0	150.0
M2-8:2FTSA		**122.2**	50.0	150.0
M2PFTeDA		**155.3**	12.0	218.0
M3PFBS		**115.0**	50.0	150.0
M3PFHxS		**122.9**	50.0	150.0
M4PFHpA		**128.0**	50.0	150.0
M5PFHxA		**118.1**	50.0	150.0
M5PFPeA		**111.5**	50.0	150.0
M6PFDA		**133.1**	50.0	150.0
M7PFUnDA		**123.7**	50.0	150.0
M8FOSA		**112.6**	50.0	150.0
M8PFOA		**112.4**	50.0	150.0
M8PFOS		**112.3**	50.0	150.0
M9-PFNA		**111.9**	50.0	150.0
MPFBA		**101.2**	50.0	150.0
MPFDoDA		**114.6**	50.0	150.0
d3N-MeFOSAA		**105.2**	50.0	150.0
d5EtFOSAA		**101.0**	50.0	150.0
MHFPO-DA		**110.1**	50.0	150.0
d-N-EtFOSA-M		**120.3**	50.0	150.0
d-N-MeFOSA-M		**110.1**	50.0	150.0
d7-N-MeFOSE-M		**114.4**	50.0	150.0
d9-N-EtFOSE-M		**111.2**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.07

Sample Tag: OBG MW-12S-06112024

Collected Date/Time: 06/11/2024 15:15

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 20:20, Matrix: WW, Dilution: 2.05

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**96.2**	50.0	150.0
M2-6:2FTSA		**88.3**	50.0	150.0
M2-8:2FTSA		**119.8**	50.0	150.0
M2PFTeDA		**158.3**	12.0	218.0
M3PFBS		**120.6**	50.0	150.0
M3PFHxS		**113.3**	50.0	150.0
M4PFHpA		**115.4**	50.0	150.0
M5PFHxA		**117.2**	50.0	150.0
M5PFPeA		**114.0**	50.0	150.0
M6PFDA		**131.9**	50.0	150.0
M7PFUnDA		**120.6**	50.0	150.0
M8FOSA		**112.7**	50.0	150.0
M8PFOA		**112.3**	50.0	150.0
M8PFOS		**121.4**	50.0	150.0
M9-PFNA		**121.0**	50.0	150.0
MPFBA		**105.3**	50.0	150.0
MPFDoDA		**123.2**	50.0	150.0
d3N-MeFOSAA		**108.9**	50.0	150.0
d5EtFOSAA		**111.1**	50.0	150.0
MHFPO-DA		**107.6**	50.0	150.0
d-N-EtFOSA-M		**118.1**	50.0	150.0
d-N-MeFOSA-M		**118.5**	50.0	150.0
d7-N-MeFOSE-M		**111.9**	50.0	150.0
d9-N-EtFOSE-M		**116.3**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.08

Sample Tag: OBG MW-28-06112024

Collected Date/Time: 06/11/2024 15:28

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 20:40, Matrix: WW, Dilution: 1.72

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**94.3**	50.0	150.0
M2-6:2FTSA		**99.1**	50.0	150.0
M2-8:2FTSA		**116.6**	50.0	150.0
M2PFTeDA		**145.7**	12.0	218.0
M3PFBS		**116.8**	50.0	150.0
M3PFHxS		**123.4**	50.0	150.0
M4PFHpA		**118.3**	50.0	150.0
M5PFHxA		**122.6**	50.0	150.0
M5PFPeA		**115.0**	50.0	150.0
M6PFDA		**126.0**	50.0	150.0
M7PFUnDA		**114.9**	50.0	150.0
M8FOSA		**116.6**	50.0	150.0
M8PFOA		**109.8**	50.0	150.0
M8PFOS		**119.3**	50.0	150.0
M9-PFNA		**111.5**	50.0	150.0
MPFBA		**111.4**	50.0	150.0
MPFDoDA		**120.7**	50.0	150.0
d3N-MeFOSAA		**113.3**	50.0	150.0
d5EtFOSAA		**110.9**	50.0	150.0
MHFPO-DA		**99.1**	50.0	150.0
d-N-EtFOSA-M		**113.6**	50.0	150.0
d-N-MeFOSA-M		**120.9**	50.0	150.0
d7-N-MeFOSE-M		**107.9**	50.0	150.0
d9-N-EtFOSE-M		**125.9**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.09

Sample Tag: OBG MW-17S-06112024

Collected Date/Time: 06/11/2024 16:10

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 21:00, Matrix: WW, Dilution: 1.97

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**92.3**	50.0	150.0
M2-6:2FTSA		**94.5**	50.0	150.0
M2-8:2FTSA		**120.5**	50.0	150.0
M2PFTeDA		**149.6**	12.0	218.0
M3PFBS		**115.9**	50.0	150.0
M3PFHxS		**113.9**	50.0	150.0
M4PFHpA		**110.0**	50.0	150.0
M5PFHxA		**119.5**	50.0	150.0
M5PFPeA		**110.1**	50.0	150.0
M6PFDA		**122.2**	50.0	150.0
M7PFUnDA		**112.2**	50.0	150.0
M8FOSA		**113.9**	50.0	150.0
M8PFOA		**112.3**	50.0	150.0
M8PFOS		**116.3**	50.0	150.0
M9-PFNA		**114.8**	50.0	150.0
MPFBA		**102.2**	50.0	150.0
MPFDoDA		**122.8**	50.0	150.0
d3N-MeFOSAA		**94.6**	50.0	150.0
d5EtFOSAA		**109.4**	50.0	150.0
MHFPO-DA		**104.9**	50.0	150.0
d-N-EtFOSA-M		**104.3**	50.0	150.0
d-N-MeFOSA-M		**111.6**	50.0	150.0
d7-N-MeFOSE-M		**112.3**	50.0	150.0
d9-N-EtFOSE-M		**113.2**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.10

Sample Tag: OBG MW-21-06122024

Collected Date/Time: 06/12/2024 10:42

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 21:20, Matrix: WW, Dilution: 1.98

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**121.8**	50.0	150.0
M2-6:2FTSA		**107.7**	50.0	150.0
M2-8:2FTSA		**119.3**	50.0	150.0
M2PFTeDA		**137.4**	12.0	218.0
M3PFBS		**121.4**	50.0	150.0
M3PFHxS		**114.6**	50.0	150.0
M4PFHpA		**115.4**	50.0	150.0
M5PFHxA		**123.8**	50.0	150.0
M5PFPeA		**122.6**	50.0	150.0
M6PFDA		**118.9**	50.0	150.0
M7PFUnDA		**115.3**	50.0	150.0
M8FOSA		**116.6**	50.0	150.0
M8PFOA		**118.8**	50.0	150.0
M8PFOS		**121.4**	50.0	150.0
M9-PFNA		**121.0**	50.0	150.0
MPFBA		**109.2**	50.0	150.0
MPFDoDA		**114.4**	50.0	150.0
d3N-MeFOSAA		**102.9**	50.0	150.0
d5EtFOSAA		**111.9**	50.0	150.0
MHFPO-DA		**127.3**	50.0	150.0
d-N-EtFOSA-M		**112.3**	50.0	150.0
d-N-MeFOSA-M		**113.8**	50.0	150.0
d7-N-MeFOSE-M		**114.8**	50.0	150.0
d9-N-EtFOSE-M		**112.9**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.11

Sample Tag: OBG MW-26R-06122024

Collected Date/Time: 06/12/2024 10:15

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 21:40, Matrix: WW, Dilution: 2.03

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**94.7**	50.0	150.0
M2-6:2FTSA		**94.0**	50.0	150.0
M2-8:2FTSA		**126.4**	50.0	150.0
M2PFTeDA		**181.0**	12.0	218.0
M3PFBS		**124.4**	50.0	150.0
M3PFHxS		**117.5**	50.0	150.0
M4PFHpA		**115.6**	50.0	150.0
M5PFHxA		**124.0**	50.0	150.0
M5PFPeA		**110.1**	50.0	150.0
M6PFDA		**118.3**	50.0	150.0
M7PFUnDA		**111.5**	50.0	150.0
M8FOSA		**122.1**	50.0	150.0
M8PFOA		**124.5**	50.0	150.0
M8PFOS		**127.7**	50.0	150.0
M9-PFNA		**114.1**	50.0	150.0
MPFBA		**102.7**	50.0	150.0
MPFDoDA		**123.2**	50.0	150.0
d3N-MeFOSAA		**90.4**	50.0	150.0
d5EtFOSAA		**110.0**	50.0	150.0
MHFPO-DA		**106.2**	50.0	150.0
d-N-EtFOSA-M		**116.8**	50.0	150.0
d-N-MeFOSA-M		**127.4**	50.0	150.0
d7-N-MeFOSE-M		**115.7**	50.0	150.0
d9-N-EtFOSE-M		**117.7**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.12

Sample Tag: OBG MW-27R-06122024

Collected Date/Time: 06/12/2024 10:55

Matrix: Groundwater

COC Reference: 167394

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 22:00, Matrix: WW, Dilution: 1.92

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**95.9**	50.0	150.0
M2-6:2FTSA		**85.4**	50.0	150.0
M2-8:2FTSA		**122.0**	50.0	150.0
M2PFTeDA		**121.4**	12.0	218.0
M3PFBS		**115.0**	50.0	150.0
M3PFHxS		**112.6**	50.0	150.0
M4PFHpA		**107.7**	50.0	150.0
M5PFHxA		**121.4**	50.0	150.0
M5PFPeA		**107.8**	50.0	150.0
M6PFDA		**109.4**	50.0	150.0
M7PFUnDA		**107.5**	50.0	150.0
M8FOSA		**109.5**	50.0	150.0
M8PFOA		**113.9**	50.0	150.0
M8PFOS		**118.9**	50.0	150.0
M9-PFNA		**120.8**	50.0	150.0
MPFBA		**102.3**	50.0	150.0
MPFDoDA		**109.5**	50.0	150.0
d3N-MeFOSAA		**92.1**	50.0	150.0
d5EtFOSAA		**97.5**	50.0	150.0
MHFPO-DA		**103.4**	50.0	150.0
d-N-EtFOSA-M		**106.3**	50.0	150.0
d-N-MeFOSA-M		**104.3**	50.0	150.0
d7-N-MeFOSE-M		**106.3**	50.0	150.0
d9-N-EtFOSE-M		**107.4**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.13

Sample Tag: MW-DUP-1-06122024

Collected Date/Time: 06/12/2024 00:01

Matrix: Groundwater

COC Reference: 155555

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 22:20, Matrix: WW, Dilution: 2.06

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**110.9**	50.0	150.0
M2-6:2FTSA		**96.2**	50.0	150.0
M2-8:2FTSA		**108.9**	50.0	150.0
M2PFTeDA		**141.6**	12.0	218.0
M3PFBS		**119.0**	50.0	150.0
M3PFHxS		**111.9**	50.0	150.0
M4PFHpA		**116.7**	50.0	150.0
M5PFHxA		**121.6**	50.0	150.0
M5PFPeA		**115.7**	50.0	150.0
M6PFDA		**128.2**	50.0	150.0
M7PFUnDA		**119.3**	50.0	150.0
M8FOSA		**111.9**	50.0	150.0
M8PFOA		**119.4**	50.0	150.0
M8PFOS		**136.8**	50.0	150.0
M9-PFNA		**119.8**	50.0	150.0
MPFBA		**106.5**	50.0	150.0
MPFDoDA		**123.4**	50.0	150.0
d3N-MeFOSAA		**100.1**	50.0	150.0
d5EtFOSAA		**116.6**	50.0	150.0
MHFPO-DA		**112.0**	50.0	150.0
d-N-EtFOSA-M		**113.8**	50.0	150.0
d-N-MeFOSA-M		**115.7**	50.0	150.0
d7-N-MeFOSE-M		**106.6**	50.0	150.0
d9-N-EtFOSE-M		**115.2**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.14

Sample Tag: MW-DUP-2-06122024

Collected Date/Time: 06/12/2024 00:01

Matrix: Groundwater

COC Reference: 155555

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 22:40, Matrix: WW, Dilution: 2.08

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**98.0**	50.0	150.0
M2-6:2FTSA		**98.3**	50.0	150.0
M2-8:2FTSA		**117.2**	50.0	150.0
M2PFTeDA		**150.9**	12.0	218.0
M3PFBS		**123.4**	50.0	150.0
M3PFHxS		**114.1**	50.0	150.0
M4PFHpA		**119.4**	50.0	150.0
M5PFHxA		**127.3**	50.0	150.0
M5PFPeA		**109.5**	50.0	150.0
M6PFDA		**116.4**	50.0	150.0
M7PFUnDA		**117.8**	50.0	150.0
M8FOSA		**119.4**	50.0	150.0
M8PFOA		**115.9**	50.0	150.0
M8PFOS		**128.7**	50.0	150.0
M9-PFNA		**115.0**	50.0	150.0
MPFBA		**104.6**	50.0	150.0
MPFDoDA		**118.2**	50.0	150.0
d3N-MeFOSAA		**108.8**	50.0	150.0
d5EtFOSAA		**117.5**	50.0	150.0
MHFPO-DA		**116.6**	50.0	150.0
d-N-EtFOSA-M		**120.9**	50.0	150.0
d-N-MeFOSA-M		**120.7**	50.0	150.0
d7-N-MeFOSE-M		**114.2**	50.0	150.0
d9-N-EtFOSE-M		**116.7**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.15

Sample Tag: OBG MW-11-06122024

Collected Date/Time: 06/12/2024 11:50

Matrix: Groundwater

COC Reference: 155555

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 23:00, Matrix: WW, Dilution: 1.98

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**100.0**	50.0	150.0
M2-6:2FTSA		**80.0**	50.0	150.0
M2-8:2FTSA		**118.8**	50.0	150.0
M2PFTeDA		**150.5**	12.0	218.0
M3PFBS		**119.3**	50.0	150.0
M3PFHxS		**113.3**	50.0	150.0
M4PFHpA		**124.9**	50.0	150.0
M5PFHxA		**129.1**	50.0	150.0
M5PFPeA		**117.2**	50.0	150.0
M6PFDA		**116.6**	50.0	150.0
M7PFUnDA		**122.4**	50.0	150.0
M8FOSA		**116.5**	50.0	150.0
M8PFOA		**117.8**	50.0	150.0
M8PFOS		**134.1**	50.0	150.0
M9-PFNA		**120.1**	50.0	150.0
MPFBA		**101.1**	50.0	150.0
MPFDoDA		**111.2**	50.0	150.0
d3N-MeFOSAA		**97.2**	50.0	150.0
d5EtFOSAA		**111.5**	50.0	150.0
MHFPO-DA		**117.7**	50.0	150.0
d-N-EtFOSA-M		**110.6**	50.0	150.0
d-N-MeFOSA-M		**115.5**	50.0	150.0
d7-N-MeFOSE-M		**110.5**	50.0	150.0
d9-N-EtFOSE-M		**118.3**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.16

Sample Tag: Field Blank-06122024

Collected Date/Time: 06/12/2024 11:48

Matrix: Liquid

COC Reference: 155555

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 23:20, Matrix: WW, Dilution: 1.96

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**109.8**	50.0	150.0
M2-6:2FTSA		**102.6**	50.0	150.0
M2-8:2FTSA		**121.5**	50.0	150.0
M2PFTeDA		**161.1**	12.0	218.0
M3PFBS		**114.3**	50.0	150.0
M3PFHxS		**111.9**	50.0	150.0
M4PFHpA		**128.9**	50.0	150.0
M5PFHxA		**121.6**	50.0	150.0
M5PFPeA		**112.5**	50.0	150.0
M6PFDA		**126.9**	50.0	150.0
M7PFUnDA		**113.0**	50.0	150.0
M8FOSA		**115.6**	50.0	150.0
M8PFOA		**123.5**	50.0	150.0
M8PFOS		**112.6**	50.0	150.0
M9-PFNA		**121.1**	50.0	150.0
MPFBA		**111.8**	50.0	150.0
MPFDoDA		**122.5**	50.0	150.0
d3N-MeFOSAA		**113.0**	50.0	150.0
d5EtFOSAA		**109.9**	50.0	150.0
MHFPO-DA		**107.6**	50.0	150.0
d-N-EtFOSA-M		**114.7**	50.0	150.0
d-N-MeFOSA-M		**107.2**	50.0	150.0
d7-N-MeFOSE-M		**109.5**	50.0	150.0
d9-N-EtFOSE-M		**110.0**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.17

Sample Tag: OBG MW-22-06122024

Collected Date/Time: 06/12/2024 12:20

Matrix: Groundwater

COC Reference: 155555

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/14/2024 23:40, Matrix: WW, Dilution: 1.91

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**108.9**	50.0	150.0
M2-6:2FTSA		**98.1**	50.0	150.0
M2-8:2FTSA		**108.6**	50.0	150.0
M2PFTeDA		**172.9**	12.0	218.0
M3PFBS		**114.7**	50.0	150.0
M3PFHxS		**109.9**	50.0	150.0
M4PFHpA		**111.0**	50.0	150.0
M5PFHxA		**118.2**	50.0	150.0
M5PFPeA		**114.0**	50.0	150.0
M6PFDA		**116.0**	50.0	150.0
M7PFUnDA		**124.4**	50.0	150.0
M8FOSA		**116.5**	50.0	150.0
M8PFOA		**126.5**	50.0	150.0
M8PFOS		**120.6**	50.0	150.0
M9-PFNA		**116.1**	50.0	150.0
MPFBA		**105.0**	50.0	150.0
MPFDoDA		**127.5**	50.0	150.0
d3N-MeFOSAA		**97.5**	50.0	150.0
d5EtFOSAA		**107.8**	50.0	150.0
MHFPO-DA		**107.8**	50.0	150.0
d-N-EtFOSA-M		**105.3**	50.0	150.0
d-N-MeFOSA-M		**115.2**	50.0	150.0
d7-N-MeFOSE-M		**113.6**	50.0	150.0
d9-N-EtFOSE-M		**112.5**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S63111.18

Sample Tag: OBG MW-14-06122024

Collected Date/Time: 06/12/2024 13:04

Matrix: Groundwater

COC Reference: 155555

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240614, Run Date: 06/15/2024 00:00, Matrix: WW, Dilution: 2.09

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**98.7**	50.0	150.0
M2-6:2FTSA		**101.2**	50.0	150.0
M2-8:2FTSA		**127.7**	50.0	150.0
M2PFTeDA		**164.2**	12.0	218.0
M3PFBS		**117.6**	50.0	150.0
M3PFHxS		**127.3**	50.0	150.0
M4PFHpA		**124.4**	50.0	150.0
M5PFHxA		**118.1**	50.0	150.0
M5PFPeA		**113.4**	50.0	150.0
M6PFDA		**122.4**	50.0	150.0
M7PFUnDA		**117.6**	50.0	150.0
M8FOSA		**120.9**	50.0	150.0
M8PFOA		**121.6**	50.0	150.0
M8PFOS		**115.0**	50.0	150.0
M9-PFNA		**118.2**	50.0	150.0
MPFBA		**104.0**	50.0	150.0
MPFDoDA		**124.6**	50.0	150.0
d3N-MeFOSAA		**117.2**	50.0	150.0
d5EtFOSAA		**111.7**	50.0	150.0
MHFPO-DA		**109.3**	50.0	150.0
d-N-EtFOSA-M		**116.4**	50.0	150.0
d-N-MeFOSA-M		**122.4**	50.0	150.0
d7-N-MeFOSE-M		**119.2**	50.0	150.0
d9-N-EtFOSE-M		**117.9**	50.0	150.0

Organics - Volatiles, Prep Batch ID: PF240613W2

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

Blank (BLK)

Lab Sample ID: AK240614.BLK240613B

Run in Batch: AK240614, Run Date: 06/14/2024 16:40, Prep Date: 06/13/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**114.4**	50.0	150.0
M2-6:2FTSA		**95.7**	50.0	150.0
M2-8:2FTSA		**119.2**	50.0	150.0
M2PFTeDA		**139.4**	12.0	218.0
M3PFBS		**105.3**	50.0	150.0
M3PFHxS		**107.1**	50.0	150.0
M4PFHpA		**112.0**	50.0	150.0
M5PFHxA		**113.6**	50.0	150.0
M5PFPeA		**108.3**	50.0	150.0
M6PFDA		**108.2**	50.0	150.0
M7PFUnDA		**109.0**	50.0	150.0
M8FOSA		**106.1**	50.0	150.0
M8PFOA		**106.6**	50.0	150.0
M8PFOS		**117.4**	50.0	150.0
M9-PFNA		**118.4**	50.0	150.0
MPFBA		**107.8**	50.0	150.0
MPFDoDA		**107.4**	50.0	150.0
d3N-MeFOSAA		**94.9**	50.0	150.0
d5EtFOSAA		**117.4**	50.0	150.0
MHFPO-DA		**96.2**	50.0	150.0
d-N-EtFOSA-M		**97.2**	50.0	150.0
d-N-MeFOSA-M		**96.4**	50.0	150.0
d7-N-MeFOSE-M		**102.4**	50.0	150.0
d9-N-EtFOSE-M		**106.4**	50.0	150.0

Laboratory Control Sample (LCS)

Lab Sample ID: AK240614.LCS240613B

Run in Batch: AK240614, Run Date: 06/14/2024 16:00, Prep Date: 06/13/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**100.5**	50.0	150.0
M2-6:2FTSA		**97.4**	50.0	150.0
M2-8:2FTSA		**109.9**	50.0	150.0
M2PFTeDA		**119.4**	12.0	218.0
M3PFBS		**108.7**	50.0	150.0
M3PFHxS		**105.7**	50.0	150.0
M4PFHpA		**108.7**	50.0	150.0
M5PFHxA		**111.7**	50.0	150.0
M5PFPeA		**101.8**	50.0	150.0
M6PFDA		**98.1**	50.0	150.0
M7PFUnDA		**103.9**	50.0	150.0
M8FOSA		**96.9**	50.0	150.0
M8PFOA		**108.5**	50.0	150.0
M8PFOS		**96.6**	50.0	150.0
M9-PFNA		**107.3**	50.0	150.0
MPFBA		**101.1**	50.0	150.0
MPFDoDA		**106.2**	50.0	150.0
d3N-MeFOSAA		**102.9**	50.0	150.0
d5EtFOSAA		**108.3**	50.0	150.0
MHFPO-DA		**89.5**	50.0	150.0
d-N-EtFOSA-M		**96.0**	50.0	150.0
d-N-MeFOSA-M		**97.6**	50.0	150.0
d7-N-MeFOSE-M		**92.1**	50.0	150.0
d9-N-EtFOSE-M		**98.6**	50.0	150.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK240614.LCSD240613B, Parent Sample ID: AK240614.LCS240613B

Run in Batch: AK240614, Run Date: 06/14/2024 16:20, Prep Date: 06/13/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**111.4**	50.0	150.0
M2-6:2FTSA		**90.2**	50.0	150.0
M2-8:2FTSA		**123.7**	50.0	150.0
M2PFTeDA		**131.9**	12.0	218.0
M3PFBS		**107.4**	50.0	150.0
M3PFHxS		**100.4**	50.0	150.0
M4PFHpA		**114.0**	50.0	150.0
M5PFHxA		**114.8**	50.0	150.0
M5PFPeA		**107.7**	50.0	150.0
M6PFDA		**108.8**	50.0	150.0
M7PFUnDA		**115.1**	50.0	150.0
M8FOSA		**106.2**	50.0	150.0
M8PFOA		**109.7**	50.0	150.0
M8PFOS		**111.0**	50.0	150.0
M9-PFNA		**113.4**	50.0	150.0
MPFBA		**106.4**	50.0	150.0
MPFDoDA		**106.9**	50.0	150.0
d3N-MeFOSAA		**96.2**	50.0	150.0
d5EtFOSAA		**102.2**	50.0	150.0
MHFPO-DA		**104.3**	50.0	150.0
d-N-EtFOSA-M		**105.8**	50.0	150.0
d-N-MeFOSA-M		**100.7**	50.0	150.0
d7-N-MeFOSE-M		**105.3**	50.0	150.0
d9-N-EtFOSE-M		**107.4**	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike (MS)

Lab Sample ID: AK240614.6311102M, Parent Sample ID: S63111.02

Run in Batch: AK240614, Run Date: 06/14/2024 18:20, Prep Date: 06/13/2024, Matrix: WW, Dilution: 2

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**93.2**	50.0	150.0
M2-6:2FTSA		**88.6**	50.0	150.0
M2-8:2FTSA		**110.8**	50.0	150.0
M2PFTeDA		**158.3**	12.0	218.0
M3PFBS		**117.9**	50.0	150.0
M3PFHxS		**111.0**	50.0	150.0
M4PFHpA		**126.8**	50.0	150.0
M5PFHxA		**119.0**	50.0	150.0
M5PFPeA		**111.2**	50.0	150.0
M6PFDA		**119.9**	50.0	150.0
M7PFUnDA		**109.8**	50.0	150.0
M8FOSA		**114.4**	50.0	150.0
M8PFOA		**127.6**	50.0	150.0
M8PFOS		**121.9**	50.0	150.0
M9-PFNA		**109.1**	50.0	150.0
MPFBA		**96.0**	50.0	150.0
MPFDoDA		**115.2**	50.0	150.0
d3N-MeFOSAA		**102.7**	50.0	150.0
d5EtFOSAA		**102.2**	50.0	150.0
MHFPO-DA		**106.7**	50.0	150.0
d-N-EtFOSA-M		**119.1**	50.0	150.0
d-N-MeFOSA-M		**115.3**	50.0	150.0
d7-N-MeFOSE-M		**111.7**	50.0	150.0
d9-N-EtFOSE-M		**118.7**	50.0	150.0

Duplicate (DUP)

Lab Sample ID: AK240614.6311104D, Parent Sample ID: S63111.04

Run in Batch: AK240614, Run Date: 06/14/2024 19:20, Prep Date: 06/13/2024, Matrix: WW, Dilution: 2.01

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**107.3**	50.0	150.0
M2-6:2FTSA		**88.3**	50.0	150.0
M2-8:2FTSA		**114.6**	50.0	150.0
M2PFTeDA		**138.1**	12.0	218.0
M3PFBS		**113.3**	50.0	150.0
M3PFHxS		**105.2**	50.0	150.0
M4PFHpA		**109.5**	50.0	150.0
M5PFHxA		**113.4**	50.0	150.0
M5PFPeA		**106.9**	50.0	150.0
M6PFDA		**115.4**	50.0	150.0
M7PFUnDA		**114.8**	50.0	150.0
M8FOSA		**116.5**	50.0	150.0
M8PFOA		**115.1**	50.0	150.0
M8PFOS		**117.9**	50.0	150.0
M9-PFNA		**104.2**	50.0	150.0
MPFBA		**99.0**	50.0	150.0
MPFDoDA		**110.5**	50.0	150.0
d3N-MeFOSAA		**97.3**	50.0	150.0
d5EtFOSAA		**104.0**	50.0	150.0
MHFPO-DA		**97.2**	50.0	150.0
d-N-EtFOSA-M		**107.9**	50.0	150.0
d-N-MeFOSA-M		**115.3**	50.0	150.0
d7-N-MeFOSE-M		**107.7**	50.0	150.0
d9-N-EtFOSE-M		**103.7**	50.0	150.0

Organics - Volatiles, Prep Batch ID: PF240613W2

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

Blank (BLK)

Lab Sample ID: AK240614.BLK240613B

Run in Batch: AK240614, Run Date: 06/14/2024 16:40, Prep Date: 06/13/2024, 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
PFPrS		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
PFHpA		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
PFHpS		ND	2	ng/l
8:2 FTSA		ND	2	ng/l
PFDA		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
PFOS-BR		ND	2	ng/l
EtFOSAA		ND	4	ng/l
PFOS		ND	2	ng/l
PFOS-LN		ND	2	ng/l
PFUnDA		ND	2	ng/l
PFHxSA		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
PFTrDA		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

Organics - Volatiles, Prep Batch ID: PF240613W2 (continued)

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

Blank (BLK) (continued)

Lab Sample ID: AK240614.BLK240613B

Run in Batch: AK240614, Run Date: 06/14/2024 16:40, Prep Date: 06/13/2024, 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: AK240614.LCS240613B

Run in Batch: AK240614, Run Date: 06/14/2024 16:00, Prep Date: 06/13/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		113.2	70.0	130.0
PFMPA		99.4	70.0	130.0
FPrPA (3:3 FTCA)		111.2	70.0	130.0
PFPrS		94.2	70.0	130.0
PFPeA		104.8	70.0	130.0
PFMBA		101.0	70.0	130.0
4:2 FTSA		107.2	70.0	130.0
NFDHA		124.2	70.0	130.0
PFHxA		106.0	70.0	130.0
PFBS		98.8	70.0	130.0
HFPO-DA		95.6	70.0	130.0
FPePA (5:3 FTCA)		95.0	70.0	130.0
PFEESA		102.2	70.0	130.0
PFHpA		104.0	70.0	130.0
PFPeS		100.0	70.0	130.0
ADONA		99.2	70.0	130.0
6:2 FTSA		99.2	70.0	130.0
PFBSA		109.0	70.0	130.0
PFOA		90.4	70.0	130.0
PFHxS		93.4	70.0	130.0
FHpPA (7:3 FTCA)		93.0	70.0	130.0
PFNA		97.2	70.0	130.0
PFECHS		113.6	70.0	130.0
PFHpS		108.6	70.0	130.0
8:2 FTSA		92.8	70.0	130.0
PFDA		116.4	70.0	130.0
N-MeFOSAA		112.0	70.0	130.0
EtFOSAA		102.8	70.0	130.0
PFOS		127.6	70.0	130.0
PFUnDA		120.4	70.0	130.0
PFHxSA		94.4	70.0	130.0
9CL-PF3ONS		126.4	70.0	130.0
PFNS		122.4	70.0	130.0
PFDoDA		97.2	70.0	130.0
PFDS		128.4	70.0	130.0
PFTrDA		100.0	70.0	130.0
11CL-PF3OUdS		113.2	70.0	130.0
FOSA		105.6	70.0	130.0
PFTeDA		97.2	70.0	130.0

Organics - Volatiles, Prep Batch ID: PF240613W2 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK240614.LCS240613B

Run in Batch: AK240614, Run Date: 06/14/2024 16:00, Prep Date: 06/13/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFDOS	*	133.4	70.0	130.0
NMeFOSE		119.4	70.0	130.0
NMeFOSAM		94.4	70.0	130.0
NEtFOSE		111.8	70.0	130.0
NEtFOSAM		92.2	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK240614.LCSD240613B, Parent Sample ID: AK240614.LCS240613B

Run in Batch: AK240614, Run Date: 06/14/2024 16:20, Prep Date: 06/13/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		112.8	70.0	130.0	0.4	30.0
PFMPA		87.6	70.0	130.0	12.6	30.0
FPrPA (3:3 FTCA)		118.2	70.0	130.0	6.1	30.0
PFPrS		96.8	70.0	130.0	2.7	30.0
PFPeA		101.8	70.0	130.0	2.9	30.0
PFMBA		92.4	70.0	130.0	8.9	30.0
4:2 FTSA		88.2	70.0	130.0	19.4	30.0
NFDHA		107.6	70.0	130.0	14.3	30.0
PFHxA		100.6	70.0	130.0	5.2	30.0
PFBS		103.6	70.0	130.0	4.7	30.0
HFPO-DA		80.2	70.0	130.0	17.5	30.0
FPePA (5:3 FTCA)		111.2	70.0	130.0	15.7	30.0
PFEESA		91.0	70.0	130.0	11.6	30.0
PFHpA		115.6	70.0	130.0	10.6	30.0
PFPeS		101.2	70.0	130.0	1.2	30.0
ADONA		104.0	70.0	130.0	4.7	30.0
6:2 FTSA		116.8	70.0	130.0	16.3	30.0
PFBSA		104.8	70.0	130.0	3.9	30.0
PFOA		91.4	70.0	130.0	1.1	30.0
PFHxS		108.0	70.0	130.0	14.5	30.0
FHpPA (7:3 FTCA)		96.6	70.0	130.0	3.8	30.0
PFNA		99.8	70.0	130.0	2.6	30.0
PFECHS		100.4	70.0	130.0	12.3	30.0
PFHpS		118.4	70.0	130.0	8.6	30.0
8:2 FTSA		91.0	70.0	130.0	2.0	30.0
PFDA		112.4	70.0	130.0	3.5	30.0
N-MeFOSAA		113.6	70.0	130.0	1.4	30.0
EtFOSAA		118.6	70.0	130.0	14.3	30.0
PFOS		105.4	70.0	130.0	19.1	30.0
PFUnDA		110.0	70.0	130.0	9.0	30.0
PFHxSA		93.2	70.0	130.0	1.3	30.0
9CL-PF3ONS		109.4	70.0	130.0	14.4	30.0
PFNS		107.0	70.0	130.0	13.4	30.0
PFDoDA		99.6	70.0	130.0	2.4	30.0
PFDS		111.8	70.0	130.0	13.8	30.0
PFTrDA		110.8	70.0	130.0	10.2	30.0

Organics - Volatiles, Prep Batch ID: PF240613W2 (continued)

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

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK240614.LCSD240613B, Parent Sample ID: AK240614.LCS240613B

Run in Batch: AK240614, Run Date: 06/14/2024 16:20, Prep Date: 06/13/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
11CL-PF3OUdS		102.4	70.0	130.0	10.0	30.0
FOSA		103.8	70.0	130.0	1.7	30.0
PFTeDA		92.2	70.0	130.0	5.3	30.0
PFDOS		114.0	70.0	130.0	15.7	30.0
NMeFOSE		105.2	70.0	130.0	12.6	30.0
NMeFOSAM		97.4	70.0	130.0	3.1	30.0
NEtFOSE		94.4	70.0	130.0	16.9	30.0
NEtFOSAM		87.0	70.0	130.0	5.8	30.0

Matrix Spike (MS)

Lab Sample ID: AK240614.6311102M, Parent Sample ID: S63111.02

Run in Batch: AK240614, Run Date: 06/14/2024 18:20, Prep Date: 06/13/2024, Matrix: WW, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
PFBA		110.0	70.0	130.0
PFPeA		100.0	70.0	130.0
4:2 FTSA		100.0	70.0	130.0
PFHxA		98.0	70.0	130.0
PFBS		99.2	70.0	130.0
PFHpA		88.0	70.0	130.0
PFPeS		99.0	70.0	130.0
6:2 FTSA		110.0	70.0	130.0
PFOA		80.0	70.0	130.0
PFHxS		95.8	70.0	130.0
PFNA		120.0	70.0	130.0
8:2 FTSA		94.0	70.0	130.0
PFHpS		110.0	70.0	130.0
PFDA		100.0	70.0	130.0
N-MeFOSAA		100.0	70.0	130.0
EtFOSAA		120.0	70.0	130.0
PFOS		110.0	70.0	130.0
PFUnDA		110.0	70.0	130.0
PFNS		110.0	70.0	130.0
PFDoDA		110.0	70.0	130.0
PFDS		110.0	70.0	130.0
PFTrDA		110.0	70.0	130.0
FOSA		96.0	70.0	130.0
PFTeDA		94.0	70.0	130.0
11CL-PF3OUdS		99.0	70.0	130.0
9CL-PF3ONS		110.0	70.0	130.0
ADONA		91.0	70.0	130.0
HFPO-DA		93.0	70.0	130.0
FHpPA (7:3 FTCA)		92.0	70.0	130.0
FPePA (5:3 FTCA)		110.0	70.0	130.0
FPrPA (3:3 FTCA)		100.0	70.0	130.0
PFBSA		100.0	70.0	130.0
PFECHS		102.3	70.0	130.0

Organics - Volatiles, Prep Batch ID: PF240613W2 (continued)

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

Matrix Spike (MS) (continued)

Lab Sample ID: AK240614.6311102M, Parent Sample ID: S63111.02

Run in Batch: AK240614, Run Date: 06/14/2024 18:20, Prep Date: 06/13/2024, Matrix: WW, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
PFHxSA		92.0	70.0	130.0

Duplicate (DUP)

Lab Sample ID: AK240614.6311104D, Parent Sample ID: S63111.04

Run in Batch: AK240614, Run Date: 06/14/2024 19:20, Prep Date: 06/13/2024, Matrix: WW, Dilution: 2.01

Analyte	Flags	RPD	RPD CL
PFBA		NC	30.0
PFPeA		NC	30.0
4:2 FTSA		NC	30.0
PFHxA		NC	30.0
PFBS	J	5.7	30.0
PFHpA		NC	30.0
PFPeS		NC	30.0
6:2 FTSA		NC	30.0
PFOA	*	200.0	30.0
PFHxS		10.5	30.0
PFHxS-LN		8.7	30.0
PFHxS-BR		NC	30.0
PFNA		NC	30.0
8:2 FTSA		NC	30.0
PFHpS		NC	30.0
PFDA		NC	30.0
N-MeFOSAA		NC	30.0
EtFOSAA		NC	30.0
PFOS		11.3	30.0
PFOS-LN		NC	30.0
PFOS-BR		NC	30.0
PFUnDA		NC	30.0
PFNS		NC	30.0
PFDoDA		NC	30.0
PFDS		NC	30.0
PFTrDA		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		5.9	30.0
PFHxSA		NC	30.0

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C.O.C. PAGE # 1 OF 2

167394

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Kantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211 P.O. NO.: 1940008845 Task 37
E-MAIL ADDRESS: Kevin.Schneider@Ramboll.com clifford.kantz@ramboll.com QUOTE NO.:

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RALER Coldwater Road
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES
Project Locations: ☐ Detroit ☐ New York ☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS (3475)	Special Instructions
63111.01	6/10/24	1506	OBG MW-24-06102024	GW	3	X							X	Low level Reporting
.02	6/11/24	1105	OBG MW-18S-06112024	GW	3	X							X	with estimated values
.03	6/11/24	1124	OBG MW-13-06112024	GW	3	X							X	
.04	6/11/24	1400	OBG MW-9-06112024	GW	3	X							X	34 PFAS List
.05	6/11/24	1245	OBG MW-29-06112024	GW	3	X							X	
.06	6/11/24	1420	OBG MW-23-06112024	GW	3	X							X	
.07	6/11/24	1515	OBG MW-12S-06112024	GW	3	X							X	
.08	6/11/24	1528	OBG MW-28-06112024	GW	3	X							X	
.09	6/11/24	1610	OBG MW-17S-06112024	GW	3	X							X	
.10	6/12/24	1042	OBG MW-21-06122024	GW	3	X							X	
.11	6/12/24	1015	OBG MW-26R-06122024	GW	3	X							X	
.12	6/12/24	1055	OBG MW-27R-06122024	GW	3	X							X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X Sampler	DATE 6/12/24	TIME 1328
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1328
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1500
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1500

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 4.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 1.26.22

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C.O.C. PAGE # 2 OF 2

155555

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: RamOil
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211
E-MAIL ADDRESS: Kevin.Schneider@RamOilCo.com; Clifford.Yantz@RamOilCo.com
P.O. NO.: 1940008845 Task 37
QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RACER Coldwater Road
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES
Project Locations: ☐ Detroit ☐ New York ☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS (3475)	Special Instructions
63111.13	6/12/24	—	MW-DUP-1-06122024	GW	3	X							X	Low Level Reporting
.14	6/12/24	—	MW-DUP-2-06122024	GW	3	X							X	With estimated
.15	6/12/24	1150	OBG MW-11-06122024	GW	3	X							X	values
.16	6/12/24	1148	Field Blank-06122024	EB	1	X							X	
.17	6/12/24	1220	OBG-MW-22-06122024	GW	3	X							X	34 PFAS List
.18	6/12/24	1304	OBG MW-14-06122024	GW	3	X							X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☒ Sampler	DATE 6/12/24	TIME 1328	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1305	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1500	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 6/12/24	TIME 1500	

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 4.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 1.26.22

Analytical Laboratory Report

Report ID: S62917.01(01)
Generated on 06/25/2024

Report to

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

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

Addtional Contacts: Kevin Schneider

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

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

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S62917.01-S62917.04
Project: RACER Coldwater Road
Collected Date(s): 06/05/2024 - 06/06/2024
Submitted Date/Time: 06/06/2024 17:00
Sampled by: Kevin Schneider
P.O. #: 1940008845 TASK 37

Table of Contents

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Maya Murshak
Technical Director

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.

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

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
PFTrDA	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	67584-42-3
PFHxSA	Perfluorohexanesulfonamide	41997-13-1

Analytical Laboratory Report

Sample Summary (4 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S62917.01	B-27D-06052024	Groundwater	06/05/24 12:30
S62917.02	B-9-06062024	Groundwater	06/06/24 10:18
S62917.03	B-7-06062024	Groundwater	06/06/24 11:25
S62917.04	Field Blank-06062024	Water	06/06/24 11:20

Analytical Laboratory Report

Lab Sample ID: S62917.01
Sample Tag: B-27D-06052024
Collected Date/Time: 06/05/2024 12:30
Matrix: Groundwater
COC Reference: 155554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.7	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.54/6.44/10	ASTMD7979-19M	06/07/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/07/24 18:18, Analyst: KCV

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	
PFTrDA*	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	67584-42-3	

Lab Sample ID: S62917.01 (continued)

Sample Tag: B-27D-06052024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/07/24 18:18, Analyst: KCV (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: S62917.02
Sample Tag: B-9-06062024
Collected Date/Time: 06/06/2024 10:18
Matrix: Groundwater
COC Reference: 155554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.7	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.79/3.39/11	ASTMD7979-19M	06/07/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/07/24 18:38, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	12	6.6	1.3	ng/L	1.31	375-22-4	
PFPeA*	1.9	2.6	0.79	ng/L	1.31	2706-90-3	J
4:2 FTSA*	Not detected	1.3	0.13	ng/L	1.31	757124-72-4	
PFHxA*	4.6	1.3	0.79	ng/L	1.31	307-24-4	
PFBS*	2.1	1.3	0.39	ng/L	1.31	375-73-5	
PFHpA*	1.0	1.3	0.52	ng/L	1.31	375-85-9	J
PFPeS*	Not detected	1.3	1.2	ng/L	1.31	2706-91-4	
6:2 FTSA*	Not detected	1.3	0.66	ng/L	1.31	27619-97-2	
PFOA*	5.8	1.3	0.52	ng/L	1.31	335-67-1	
PFHxS*	3.8	1.3	0.66	ng/L	1.31	355-46-4	
PFHxS-LN*	3.0	1.3	0.66	ng/L	1.31	355-46-4-LN	
PFHxS-BR*	0.67	1.3	0.66	ng/L	1.31	355-46-4-BR	J
PFNA*	Not detected	1.3	0.66	ng/L	1.31	375-95-1	
8:2 FTSA*	Not detected	1.3	0.79	ng/L	1.31	39108-34-4	
PFHpS*	0.75	1.3	0.52	ng/L	1.31	375-92-8	J
PFDA*	Not detected	1.3	0.79	ng/L	1.31	335-76-2	
N-MeFOSAA*	Not detected	1.3	0.66	ng/L	1.31	2355-31-9	
EtFOSAA*	Not detected	2.6	0.66	ng/L	1.31	2991-50-6	
PFOS*	18	1.3	0.52	ng/L	1.31	1763-23-1	
PFOS-LN*	1.4	1.3	0.52	ng/L	1.31	1763-23-1-LN	
PFOS-BR*	16	1.3	0.52	ng/L	1.31	1763-23-1-BR	
PFUnDA*	Not detected	1.3	0.52	ng/L	1.31	2058-94-8	
PFNS*	Not detected	1.3	0.66	ng/L	1.31	68259-12-1	
PFDoDA*	Not detected	1.3	0.39	ng/L	1.31	307-55-1	
PFDS*	Not detected	1.3	0.66	ng/L	1.31	335-77-3	
PFTrDA*	Not detected	1.3	0.52	ng/L	1.31	72629-94-8	
FOSA*	Not detected	1.3	0.52	ng/L	1.31	754-91-6	
PFTeDA*	Not detected	2.6	0.39	ng/L	1.31	376-06-7	
11Cl-PF3OUdS*	Not detected	1.3	0.66	ng/L	1.31	763051-92-9	
9Cl-PF3ONS*	Not detected	1.3	0.66	ng/L	1.31	756426-58-1	
ADONA*	Not detected	1.3	0.39	ng/L	1.31	919005-14-4	
HFPO-DA*	Not detected	6.6	1.3	ng/L	1.31	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	6.6	5.2	ng/L	1.31	812-70-4	
FPePA (5:3 FTCA)*	Not detected	6.6	2.6	ng/L	1.31	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	6.6	2.6	ng/L	1.31	356-02-5	
PFBSA*	Not detected	1.3	0.39	ng/L	1.31	30334-69-1	

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

Lab Sample ID: S62917.02 (continued)

Sample Tag: B-9-06062024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/07/24 18:38, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	120	1.3	0.52	ng/L	1.31	67584-42-3	
PFHxSA*	Not detected	1.3	0.39	ng/L	1.31	41997-13-1	

Analytical Laboratory Report

Lab Sample ID: S62917.03
Sample Tag: B-7-06062024
Collected Date/Time: 06/06/2024 11:25
Matrix: Groundwater
COC Reference: 155554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.7	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.56/6.44/10	ASTMD7979-19M	06/07/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/07/24 18:58, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	10	9.8	2.0	ng/L	1.95	375-22-4	
PFPeA*	2.0	3.9	1.2	ng/L	1.95	2706-90-3	J
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.95	757124-72-4	
PFHxA*	2.5	2.0	1.2	ng/L	1.95	307-24-4	
PFBS*	3.5	2.0	0.59	ng/L	1.95	375-73-5	
PFHpA*	0.86	2.0	0.78	ng/L	1.95	375-85-9	J
PFPeS*	5.3	2.0	1.8	ng/L	1.95	2706-91-4	
6:2 FTSA*	Not detected	2.0	0.98	ng/L	1.95	27619-97-2	
PFOA*	5.2	2.0	0.78	ng/L	1.95	335-67-1	
PFHxS*	12	2.0	0.98	ng/L	1.95	355-46-4	
PFHxS-LN*	9.7	2.0	0.98	ng/L	1.95	355-46-4-LN	
PFHxS-BR*	2.3	2.0	0.98	ng/L	1.95	355-46-4-BR	
PFNA*	Not detected	2.0	0.98	ng/L	1.95	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.95	39108-34-4	
PFHpS*	2.0	2.0	0.78	ng/L	1.95	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.95	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.98	ng/L	1.95	2355-31-9	
EtFOSAA*	Not detected	3.9	0.98	ng/L	1.95	2991-50-6	
PFOS*	120	2.0	0.78	ng/L	1.95	1763-23-1	
PFOS-LN*	71	2.0	0.78	ng/L	1.95	1763-23-1-LN	
PFOS-BR*	46	2.0	0.78	ng/L	1.95	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.78	ng/L	1.95	2058-94-8	
PFNS*	Not detected	2.0	0.98	ng/L	1.95	68259-12-1	
PFDoDA*	Not detected	2.0	0.59	ng/L	1.95	307-55-1	
PFDS*	Not detected	2.0	0.98	ng/L	1.95	335-77-3	
PFTrDA*	Not detected	2.0	0.78	ng/L	1.95	72629-94-8	
FOSA*	Not detected	2.0	0.78	ng/L	1.95	754-91-6	
PFTeDA*	Not detected	3.9	0.59	ng/L	1.95	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.98	ng/L	1.95	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.98	ng/L	1.95	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.95	919005-14-4	
HFPO-DA*	Not detected	9.8	2.0	ng/L	1.95	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.8	7.8	ng/L	1.95	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.95	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.95	356-02-5	
PFBSA*	Not detected	2.0	0.59	ng/L	1.95	30334-69-1	

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

Lab Sample ID: S62917.03 (continued)

Sample Tag: B-7-06062024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/07/24 18:58, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	260	2.0	0.78	ng/L	1.95	67584-42-3	
PFHxSA*	Not detected	2.0	0.59	ng/L	1.95	41997-13-1	

Analytical Laboratory Report

Lab Sample ID: S62917.04
Sample Tag: Field Blank-06062024
Collected Date/Time: 06/06/2024 11:20
Matrix: Water
COC Reference: 155554

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	4.7	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.74/6.45/11	ASTMD7979-19M	06/07/24 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/07/24 19:18, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.1	ng/L	2.08	375-22-4	
PFPeA*	Not detected	4.2	1.2	ng/L	2.08	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.08	757124-72-4	
PFHxA*	Not detected	2.1	1.2	ng/L	2.08	307-24-4	
PFBS*	Not detected	2.1	0.62	ng/L	2.08	375-73-5	
PFHpA*	Not detected	2.1	0.83	ng/L	2.08	375-85-9	
PFPeS*	Not detected	2.1	1.9	ng/L	2.08	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.08	27619-97-2	
PFOA*	Not detected	2.1	0.83	ng/L	2.08	335-67-1	
PFHxS*	Not detected	2.1	1.0	ng/L	2.08	355-46-4	
PFHxS-LN*	Not detected	2.1	1.0	ng/L	2.08	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.0	ng/L	2.08	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.08	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.08	39108-34-4	
PFHpS*	Not detected	2.1	0.83	ng/L	2.08	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.08	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.08	2355-31-9	
EtFOSAA*	Not detected	4.2	1.0	ng/L	2.08	2991-50-6	
PFOS*	Not detected	2.1	0.83	ng/L	2.08	1763-23-1	
PFOS-LN*	Not detected	2.1	0.83	ng/L	2.08	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.83	ng/L	2.08	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.83	ng/L	2.08	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.08	68259-12-1	
PFDoDA*	Not detected	2.1	0.62	ng/L	2.08	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.08	335-77-3	
PFTrDA*	Not detected	2.1	0.83	ng/L	2.08	72629-94-8	
FOSA*	Not detected	2.1	0.83	ng/L	2.08	754-91-6	
PFTeDA*	Not detected	4.2	0.62	ng/L	2.08	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.08	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.0	ng/L	2.08	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.08	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.08	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.3	ng/L	2.08	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.2	ng/L	2.08	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.2	ng/L	2.08	356-02-5	
PFBSA*	Not detected	2.1	0.62	ng/L	2.08	30334-69-1	
PFECHS*	Not detected	2.1	0.83	ng/L	2.08	67584-42-3	

Lab Sample ID: S62917.04 (continued)

Sample Tag: Field Blank-06062024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/07/24 19:18, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxSA*	Not detected	2.1	0.62	ng/L	2.08	41997-13-1	

Merit Laboratories Login Checklist

Lab Set ID: S62917
Client: RAMBOLL (Ramboll Americas)
Project: RACER Coldwater Road
Submitted: 06/06/2024 17:00 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.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 4.7
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[X] Yes	[ ] No	[ ] N/A	COC adequately filled out	
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[X] Yes	[ ] No	[ ] N/A	Do sample have correct chemical preservation	
11.	[ ] Yes	[ ] No	[X] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[X] Yes	[ ] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[ ] No	[X] N/A	Do water VOC or TOX bottles contain headspace	

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

Client Review By: _____ Date: _____

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

155554

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yentz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211
P.O. NO.: 1940008845 Task 37
E-MAIL ADDRESS: Kevin.Schneider@Ramboll.com; Clifford.Yentz@Ramboll.com
QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RACER Coldwater Road
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS (7979)	Special Instructions
629717.01	6/5/24	1230	B-27D-06052024	GW	3	X							X	Low level Reporting with estimated values
.02	6/6/24	1018	B-9-06062024	GW	3	X							X	
.03	6/6/24	1125	B-7-06062024	GW	3	X							X	
.04	6/6/24	1120	Field Blank-06062024	QC	1	X							X	34 PFAS List

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☒ Sampler	DATE	TIME
		6/6/24	1400
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
		6/6/24	1700
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
		6/6/24	17:00
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
M Chilcote		6/6/24	1700

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 4.7

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 1.26.22

Quality Control Report

Report ID: QC-S62917-01
Generated on 06/25/2024

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): S62917.01-S62917.04
Project: RACER Coldwater Road
Submitted Date/Time: 06/06/2024 17:00
Sampled by: Kevin Schneider
P.O. #: 1940008845 TASK 37

QC Report Sections

Cover Page (Page 1)
Analysis Summary (Pages 2-5)
Prep Batch Summary (Page 6)
Internal Standards per Lab Sample (Pages 7-10)
Internal Standards per QC Sample (Pages 11-15)
Batch QC Results (Pages 16-20)

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: S62917.01
Sample Tag: B-27D-06052024
Collected Date/Time: 06/05/2024 12:30
Matrix: Groundwater
COC Reference: 155554

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/07/24 18:18	AK240607	PF240607W1	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S62917.02
Sample Tag: B-9-06062024
Collected Date/Time: 06/06/2024 10:18
Matrix: Groundwater
COC Reference: 155554

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/07/24 18:38	AK240607	PF240607W1	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S62917.03
Sample Tag: B-7-06062024
Collected Date/Time: 06/06/2024 11:25
Matrix: Groundwater
COC Reference: 155554

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/07/24 18:58	AK240607	PF240607W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S62917.04

Sample Tag: Field Blank-06062024

Collected Date/Time: 06/06/2024 11:20

Matrix: Water

COC Reference: 155554

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/07/24 19:18	AK240607	PF240607W1	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: PF240607W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S62917.01	34 PFAs	ASTMD7979-19M	06/07/24 18:18	AK240607
S62917.02	34 PFAs	ASTMD7979-19M	06/07/24 18:38	AK240607
S62917.03	34 PFAs	ASTMD7979-19M	06/07/24 18:58	AK240607
S62917.04	34 PFAs	ASTMD7979-19M	06/07/24 19:18	AK240607

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S62917.01

Sample Tag: B-27D-06052024

Collected Date/Time: 06/05/2024 12:30

Matrix: Groundwater

COC Reference: 155554

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240607, Run Date: 06/07/2024 18:18, Matrix: WW, Dilution: 1.96

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**99.7**	50.0	150.0
M2-6:2FTSA		**93.8**	50.0	150.0
M2-8:2FTSA		**105.5**	50.0	150.0
M2PFTeDA		**133.7**	12.0	218.0
M3PFBS		**90.5**	50.0	150.0
M3PFHxS		**92.6**	50.0	150.0
M4PFHpA		**94.9**	50.0	150.0
M5PFHxA		**88.6**	50.0	150.0
M5PFPeA		**94.8**	50.0	150.0
M6PFDA		**94.7**	50.0	150.0
M7PFUnDA		**92.1**	50.0	150.0
M8FOSA		**95.8**	50.0	150.0
M8PFOA		**91.6**	50.0	150.0
M8PFOS		**90.3**	50.0	150.0
M9-PFNA		**88.1**	50.0	150.0
MPFBA		**83.8**	50.0	150.0
MPFDoDA		**102.2**	50.0	150.0
d3N-MeFOSAA		**101.9**	50.0	150.0
d5EtFOSAA		**87.1**	50.0	150.0
MHFPO-DA		**95.9**	50.0	150.0
d-N-EtFOSA-M		**98.3**	50.0	150.0
d-N-MeFOSA-M		**88.8**	50.0	150.0
d7-N-MeFOSE-M		**97.5**	50.0	150.0
d9-N-EtFOSE-M		**97.0**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S62917.02

Sample Tag: B-9-06062024

Collected Date/Time: 06/06/2024 10:18

Matrix: Groundwater

COC Reference: 155554

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240607, Run Date: 06/07/2024 18:38, Matrix: WW, Dilution: 1.31

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**126.1**	50.0	150.0
M2-6:2FTSA		**106.5**	50.0	150.0
M2-8:2FTSA		**118.6**	50.0	150.0
M2PFTeDA		**124.2**	12.0	218.0
M3PFBS		**103.5**	50.0	150.0
M3PFHxS		**99.5**	50.0	150.0
M4PFHpA		**94.3**	50.0	150.0
M5PFHxA		**100.1**	50.0	150.0
M5PFPeA		**97.3**	50.0	150.0
M6PFDA		**109.1**	50.0	150.0
M7PFUnDA		**92.2**	50.0	150.0
M8FOSA		**106.3**	50.0	150.0
M8PFOA		**95.9**	50.0	150.0
M8PFOS		**91.9**	50.0	150.0
M9-PFNA		**105.1**	50.0	150.0
MPFBA		**82.2**	50.0	150.0
MPFDoDA		**105.6**	50.0	150.0
d3N-MeFOSAA		**100.7**	50.0	150.0
d5EtFOSAA		**93.7**	50.0	150.0
MHFPO-DA		**97.8**	50.0	150.0
d-N-EtFOSA-M		**103.2**	50.0	150.0
d-N-MeFOSA-M		**93.8**	50.0	150.0
d7-N-MeFOSE-M		**97.5**	50.0	150.0
d9-N-EtFOSE-M		**94.8**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S62917.03

Sample Tag: B-7-06062024

Collected Date/Time: 06/06/2024 11:25

Matrix: Groundwater

COC Reference: 155554

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240607, Run Date: 06/07/2024 18:58, Matrix: WW, Dilution: 1.95

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**98.6**	50.0	150.0
M2-6:2FTSA		**88.4**	50.0	150.0
M2-8:2FTSA		**95.5**	50.0	150.0
M2PFTeDA		**104.3**	12.0	218.0
M3PFBS		**92.3**	50.0	150.0
M3PFHxS		**98.2**	50.0	150.0
M4PFHpA		**84.4**	50.0	150.0
M5PFHxA		**88.1**	50.0	150.0
M5PFPeA		**93.7**	50.0	150.0
M6PFDA		**105.0**	50.0	150.0
M7PFUnDA		**93.3**	50.0	150.0
M8FOSA		**99.0**	50.0	150.0
M8PFOA		**86.6**	50.0	150.0
M8PFOS		**89.3**	50.0	150.0
M9-PFNA		**88.2**	50.0	150.0
MPFBA		**84.3**	50.0	150.0
MPFDoDA		**99.3**	50.0	150.0
d3N-MeFOSAA		**99.4**	50.0	150.0
d5EtFOSAA		**84.0**	50.0	150.0
MHFPO-DA		**102.1**	50.0	150.0
d-N-EtFOSA-M		**92.1**	50.0	150.0
d-N-MeFOSA-M		**91.0**	50.0	150.0
d7-N-MeFOSE-M		**92.1**	50.0	150.0
d9-N-EtFOSE-M		**94.2**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S62917.04

Sample Tag: Field Blank-06062024

Collected Date/Time: 06/06/2024 11:20

Matrix: Water

COC Reference: 155554

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240607, Run Date: 06/07/2024 19:18, Matrix: WW, Dilution: 2.08

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**106.6**	50.0	150.0
M2-6:2FTSA		**99.2**	50.0	150.0
M2-8:2FTSA		**106.7**	50.0	150.0
M2PFTeDA		**145.9**	12.0	218.0
M3PFBS		**95.7**	50.0	150.0
M3PFHxS		**91.9**	50.0	150.0
M4PFHpA		**99.3**	50.0	150.0
M5PFHxA		**102.2**	50.0	150.0
M5PFPeA		**101.0**	50.0	150.0
M6PFDA		**105.2**	50.0	150.0
M7PFUnDA		**98.3**	50.0	150.0
M8FOSA		**107.4**	50.0	150.0
M8PFOA		**90.8**	50.0	150.0
M8PFOS		**97.2**	50.0	150.0
M9-PFNA		**104.6**	50.0	150.0
MPFBA		**112.4**	50.0	150.0
MPFDoDA		**111.6**	50.0	150.0
d3N-MeFOSAA		**114.7**	50.0	150.0
d5EtFOSAA		**103.9**	50.0	150.0
MHFPO-DA		**101.1**	50.0	150.0
d-N-EtFOSA-M		**99.5**	50.0	150.0
d-N-MeFOSA-M		**102.3**	50.0	150.0
d7-N-MeFOSE-M		**104.3**	50.0	150.0
d9-N-EtFOSE-M		**96.4**	50.0	150.0

QC Report - Internal Standards per QC Sample

Organics - Volatiles, Prep Batch ID: PF240607W1

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

Blank (BLK)

Lab Sample ID: AK240607.BLK240607

Run in Batch: AK240607, Run Date: 06/07/2024 14:38, Prep Date: 06/07/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**100.7**	50.0	150.0
M2-6:2FTSA		**84.2**	50.0	150.0
M2-8:2FTSA		**107.7**	50.0	150.0
M2PFTeDA		**115.9**	12.0	218.0
M3PFBS		**93.1**	50.0	150.0
M3PFHxS		**92.0**	50.0	150.0
M4PFHpA		**91.6**	50.0	150.0
M5PFHxA		**86.6**	50.0	150.0
M5PFPeA		**87.6**	50.0	150.0
M6PFDA		**96.0**	50.0	150.0
M7PFUnDA		**90.7**	50.0	150.0
M8FOSA		**96.4**	50.0	150.0
M8PFOA		**86.7**	50.0	150.0
M8PFOS		**88.8**	50.0	150.0
M9-PFNA		**92.0**	50.0	150.0
MPFBA		**98.4**	50.0	150.0
MPFDoDA		**101.7**	50.0	150.0
d3N-MeFOSAA		**105.2**	50.0	150.0
d5EtFOSAA		**85.5**	50.0	150.0
MHFPO-DA		**99.3**	50.0	150.0
d-N-EtFOSA-M		**88.9**	50.0	150.0
d-N-MeFOSA-M		**99.1**	50.0	150.0
d7-N-MeFOSE-M		**97.9**	50.0	150.0
d9-N-EtFOSE-M		**90.3**	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample (LCS)

Lab Sample ID: AK240607.LCS240607

Run in Batch: AK240607, Run Date: 06/07/2024 13:58, Prep Date: 06/07/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**92.6**	50.0	150.0
M2-6:2FTSA		**90.1**	50.0	150.0
M2-8:2FTSA		**104.9**	50.0	150.0
M2PFTeDA		**120.0**	12.0	218.0
M3PFBS		**89.2**	50.0	150.0
M3PFHxS		**93.8**	50.0	150.0
M4PFHpA		**88.5**	50.0	150.0
M5PFHxA		**82.9**	50.0	150.0
M5PFPeA		**84.6**	50.0	150.0
M6PFDA		**92.1**	50.0	150.0
M7PFUnDA		**92.1**	50.0	150.0
M8FOSA		**91.0**	50.0	150.0
M8PFOA		**89.2**	50.0	150.0
M8PFOS		**85.6**	50.0	150.0
M9-PFNA		**97.3**	50.0	150.0
MPFBA		**94.9**	50.0	150.0
MPFDoDA		**93.2**	50.0	150.0
d3N-MeFOSAA		**105.6**	50.0	150.0
d5EtFOSAA		**81.8**	50.0	150.0
MHFPO-DA		**90.0**	50.0	150.0
d-N-EtFOSA-M		**79.0**	50.0	150.0
d-N-MeFOSA-M		**85.6**	50.0	150.0
d7-N-MeFOSE-M		**96.7**	50.0	150.0
d9-N-EtFOSE-M		**90.2**	50.0	150.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK240607.LCSD240607, Parent Sample ID: AK240607.LCS240607

Run in Batch: AK240607, Run Date: 06/07/2024 14:18, Prep Date: 06/07/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**129.9**	50.0	150.0
M2-6:2FTSA		**111.9**	50.0	150.0
M2-8:2FTSA		**97.1**	50.0	150.0
M2PFTeDA		**110.9**	12.0	218.0
M3PFBS		**86.5**	50.0	150.0
M3PFHxS		**84.9**	50.0	150.0
M4PFHpA		**93.0**	50.0	150.0
M5PFHxA		**88.7**	50.0	150.0
M5PFPeA		**94.7**	50.0	150.0
M6PFDA		**96.0**	50.0	150.0
M7PFUnDA		**89.5**	50.0	150.0
M8FOSA		**95.8**	50.0	150.0
M8PFOA		**85.1**	50.0	150.0
M8PFOS		**90.1**	50.0	150.0
M9-PFNA		**95.0**	50.0	150.0
MPFBA		**99.8**	50.0	150.0
MPFDoDA		**103.7**	50.0	150.0
d3N-MeFOSAA		**101.5**	50.0	150.0
d5EtFOSAA		**93.1**	50.0	150.0
MHFPO-DA		**93.3**	50.0	150.0
d-N-EtFOSA-M		**81.8**	50.0	150.0
d-N-MeFOSA-M		**92.2**	50.0	150.0
d7-N-MeFOSE-M		**95.9**	50.0	150.0
d9-N-EtFOSE-M		**89.5**	50.0	150.0

QC Report - Internal Standards per QC Sample

Matrix Spike (MS)

Lab Sample ID: AK240607.6289202M, Parent Sample ID: S62892.02

Run in Batch: AK240607, Run Date: 06/07/2024 15:58, Prep Date: 06/07/2024, Matrix: WW, Dilution: 2.11

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**95.3**	50.0	150.0
M2-6:2FTSA		**98.3**	50.0	150.0
M2-8:2FTSA		**107.0**	50.0	150.0
M2PFTeDA		**127.4**	12.0	218.0
M3PFBS		**91.9**	50.0	150.0
M3PFHxS		**95.5**	50.0	150.0
M4PFHpA		**89.3**	50.0	150.0
M5PFHxA		**95.9**	50.0	150.0
M5PFPeA		**88.2**	50.0	150.0
M6PFDA		**96.8**	50.0	150.0
M7PFUnDA		**90.1**	50.0	150.0
M8FOSA		**105.6**	50.0	150.0
M8PFOA		**88.0**	50.0	150.0
M8PFOS		**92.6**	50.0	150.0
M9-PFNA		**90.2**	50.0	150.0
MPFBA		**79.7**	50.0	150.0
MPFDoDA		**104.6**	50.0	150.0
d3N-MeFOSAA		**94.9**	50.0	150.0
d5EtFOSAA		**86.6**	50.0	150.0
MHFPO-DA		**95.9**	50.0	150.0
d-N-EtFOSA-M		**98.5**	50.0	150.0
d-N-MeFOSA-M		**97.4**	50.0	150.0
d7-N-MeFOSE-M		**103.0**	50.0	150.0
d9-N-EtFOSE-M		**94.0**	50.0	150.0

Duplicate (DUP)

Lab Sample ID: AK240607.6289203D, Parent Sample ID: S62892.03

Run in Batch: AK240607, Run Date: 06/07/2024 16:38, Prep Date: 06/07/2024, Matrix: WW, Dilution: 2.07

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**98.3**	50.0	150.0
M2-6:2FTSA		**92.7**	50.0	150.0
M2-8:2FTSA		**108.7**	50.0	150.0
M2PFTeDA		**121.6**	12.0	218.0
M3PFBS		**92.4**	50.0	150.0
M3PFHxS		**96.0**	50.0	150.0
M4PFHpA		**87.8**	50.0	150.0
M5PFHxA		**89.5**	50.0	150.0
M5PFPeA		**91.6**	50.0	150.0
M6PFDA		**99.3**	50.0	150.0
M7PFUnDA		**98.0**	50.0	150.0
M8FOSA		**101.2**	50.0	150.0
M8PFOA		**89.2**	50.0	150.0
M8PFOS		**100.8**	50.0	150.0
M9-PFNA		**102.9**	50.0	150.0
MPFBA		**85.2**	50.0	150.0
MPFDoDA		**102.2**	50.0	150.0
d3N-MeFOSAA		**96.5**	50.0	150.0
d5EtFOSAA		**87.4**	50.0	150.0
MHFPO-DA		**105.6**	50.0	150.0
d-N-EtFOSA-M		**102.8**	50.0	150.0
d-N-MeFOSA-M		**96.3**	50.0	150.0
d7-N-MeFOSE-M		**98.7**	50.0	150.0
d9-N-EtFOSE-M		**94.3**	50.0	150.0

Organics - Volatiles, Prep Batch ID: PF240607W1

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

Blank (BLK)

Lab Sample ID: AK240607.BLK240607

Run in Batch: AK240607, Run Date: 06/07/2024 14:38, Prep Date: 06/07/2024, 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
PFPrS		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
PFEESA		ND	2	ng/l
FPePA (5:3 FTCA)		ND	10	ng/l
PFHpA		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
PFNA		ND	2	ng/l
FHpPA (7:3 FTCA)		ND	10	ng/l
PFECHS		ND	2	ng/l
8:2 FTSA		ND	2	ng/l
PFHpS		ND	2	ng/l
PFDA		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
PFOS-BR		ND	2	ng/l
EtFOSAA		ND	4	ng/l
PFOS		ND	2	ng/l
PFOS-LN		ND	2	ng/l
PFUnDA		ND	2	ng/l
PFHxSA		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
PFTrDA		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

Organics - Volatiles, Prep Batch ID: PF240607W1 (continued)

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

Blank (BLK) (continued)

Lab Sample ID: AK240607.BLK240607

Run in Batch: AK240607, Run Date: 06/07/2024 14:38, Prep Date: 06/07/2024, 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: AK240607.LCS240607

Run in Batch: AK240607, Run Date: 06/07/2024 13:58, Prep Date: 06/07/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		114.0	70.0	130.0
PFMPA		85.4	70.0	130.0
FPrPA (3:3 FTCA)		113.0	70.0	130.0
PFPrS		91.0	70.0	130.0
PFPeA		105.0	70.0	130.0
PFMBA		89.6	70.0	130.0
4:2 FTSA		101.2	70.0	130.0
NFDHA		106.4	70.0	130.0
PFHxA		102.0	70.0	130.0
PFBS		101.0	70.0	130.0
HFPO-DA		88.6	70.0	130.0
PFEESA		84.6	70.0	130.0
FPePA (5:3 FTCA)		107.8	70.0	130.0
PFHpA		101.8	70.0	130.0
PFPeS		94.6	70.0	130.0
ADONA		107.0	70.0	130.0
6:2 FTSA		105.2	70.0	130.0
PFBSA		102.0	70.0	130.0
PFOA		86.0	70.0	130.0
PFHxS		94.6	70.0	130.0
PFNA		98.4	70.0	130.0
FHpPA (7:3 FTCA)		86.4	70.0	130.0
PFECHS		105.8	70.0	130.0
8:2 FTSA		90.2	70.0	130.0
PFHpS		97.4	70.0	130.0
PFDA		102.6	70.0	130.0
N-MeFOSAA		111.6	70.0	130.0
EtFOSAA		122.4	70.0	130.0
PFOS		115.8	70.0	130.0
PFUnDA		105.6	70.0	130.0
PFHxSA		95.2	70.0	130.0
9CL-PF3ONS		111.6	70.0	130.0
PFNS		106.2	70.0	130.0
PFDoDA		108.6	70.0	130.0
PFDS		111.6	70.0	130.0
PFTrDA		118.4	70.0	130.0
11CL-PF3OUdS		103.2	70.0	130.0
FOSA		96.8	70.0	130.0
PFTeDA		95.6	70.0	130.0

Organics - Volatiles, Prep Batch ID: PF240607W1 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK240607.LCS240607

Run in Batch: AK240607, Run Date: 06/07/2024 13:58, Prep Date: 06/07/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFDOS		122.6	70.0	130.0
NMeFOSE		96.4	70.0	130.0
NMeFOSAM		96.8	70.0	130.0
NEtFOSE		98.2	70.0	130.0
NEtFOSAM		110.2	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK240607.LCSD240607, Parent Sample ID: AK240607.LCS240607

Run in Batch: AK240607, Run Date: 06/07/2024 14:18, Prep Date: 06/07/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		114.4	70.0	130.0	0.4	30.0
PFMPA		87.6	70.0	130.0	2.5	30.0
FPrPA (3:3 FTCA)		110.4	70.0	130.0	2.3	30.0
PFPrS		98.0	70.0	130.0	7.4	30.0
PFPeA		101.6	70.0	130.0	3.3	30.0
PFMBA		96.8	70.0	130.0	7.7	30.0
4:2 FTSA		83.8	70.0	130.0	18.8	30.0
NFDHA		99.0	70.0	130.0	7.2	30.0
PFHxA		105.4	70.0	130.0	3.3	30.0
PFBS		101.6	70.0	130.0	0.6	30.0
HFPO-DA		83.0	70.0	130.0	6.5	30.0
PFEESA		84.0	70.0	130.0	0.7	30.0
FPePA (5:3 FTCA)		111.6	70.0	130.0	3.5	30.0
PFHpA		104.4	70.0	130.0	2.5	30.0
PFPeS		98.8	70.0	130.0	4.3	30.0
ADONA		109.6	70.0	130.0	2.4	30.0
6:2 FTSA		107.8	70.0	130.0	2.4	30.0
PFBSA		102.4	70.0	130.0	0.4	30.0
PFOA		94.0	70.0	130.0	8.9	30.0
PFHxS		106.8	70.0	130.0	12.1	30.0
PFNA		102.4	70.0	130.0	4.0	30.0
FHpPA (7:3 FTCA)		114.2	70.0	130.0	27.7	30.0
PFECHS		102.2	70.0	130.0	3.5	30.0
8:2 FTSA		96.6	70.0	130.0	6.9	30.0
PFHpS		110.8	70.0	130.0	12.9	30.0
PFDA		109.8	70.0	130.0	6.8	30.0
N-MeFOSAA		121.6	70.0	130.0	8.6	30.0
EtFOSAA		107.2	70.0	130.0	13.2	30.0
PFOS		115.4	70.0	130.0	0.3	30.0
PFUnDA	*	130.4	70.0	130.0	21.0	30.0
PFHxSA		99.2	70.0	130.0	4.1	30.0
9CL-PF3ONS		110.0	70.0	130.0	1.4	30.0
PFNS		107.4	70.0	130.0	1.1	30.0
PFDoDA		99.8	70.0	130.0	8.4	30.0
PFDS		107.6	70.0	130.0	3.6	30.0
PFTrDA		103.2	70.0	130.0	13.7	30.0

Organics - Volatiles, Prep Batch ID: PF240607W1 (continued)

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

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK240607.LCSD240607, Parent Sample ID: AK240607.LCS240607

Run in Batch: AK240607, Run Date: 06/07/2024 14:18, Prep Date: 06/07/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
11CL-PF3OUdS		108.6	70.0	130.0	5.1	30.0
FOSA		102.6	70.0	130.0	5.8	30.0
PFTeDA		92.6	70.0	130.0	3.2	30.0
PFDOS		111.8	70.0	130.0	9.2	30.0
NMeFOSE		103.6	70.0	130.0	7.2	30.0
NMeFOSAM		94.4	70.0	130.0	2.5	30.0
NEtFOSE		102.8	70.0	130.0	4.6	30.0
NEtFOSAM		101.4	70.0	130.0	8.3	30.0

Matrix Spike (MS)

Lab Sample ID: AK240607.6289202M, Parent Sample ID: S62892.02

Run in Batch: AK240607, Run Date: 06/07/2024 15:58, Prep Date: 06/07/2024, Matrix: WW, Dilution: 2.11

Analyte	Flags	% Rec	LCL	UCL
PFBA		113.2	70.0	130.0
PFPeA		103.8	70.0	130.0
4:2 FTSA		92.5	70.0	130.0
PFHxA		97.6	70.0	130.0
PFBS		103.8	70.0	130.0
HFPO-DA		91.5	70.0	130.0
PFHpA		113.2	70.0	130.0
PFPeS		103.8	70.0	130.0
ADONA		113.2	70.0	130.0
6:2 FTSA		103.8	70.0	130.0
PFOA		97.0	70.0	130.0
PFHxS		103.8	70.0	130.0
PFNA		103.8	70.0	130.0
8:2 FTSA		83.0	70.0	130.0
PFHpS		103.8	70.0	130.0
PFDA		113.2	70.0	130.0
N-MeFOSAA		113.2	70.0	130.0
EtFOSAA		103.8	70.0	130.0
PFOS		113.2	70.0	130.0
PFUnDA		113.2	70.0	130.0
9CL-PF3ONS		103.8	70.0	130.0
PFNS		113.2	70.0	130.0
PFDoDA		94.3	70.0	130.0
PFDS		113.2	70.0	130.0
PFTrDA		113.2	70.0	130.0
11CL-PF3OUdS		103.8	70.0	130.0
FOSA		94.3	70.0	130.0
PFTeDA		94.3	70.0	130.0

Organics - Volatiles, Prep Batch ID: PF240607W1 (continued)

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

Duplicate (DUP)

Lab Sample ID: AK240607.6289203D, Parent Sample ID: S62892.03

Run in Batch: AK240607, Run Date: 06/07/2024 16:38, Prep Date: 06/07/2024, Matrix: WW, Dilution: 2.07

Analyte	Flags	RPD	RPD CL
PFBA		1.0	30.0
PFPeA		8.3	30.0
4:2 FTSA		NC	30.0
PFHxA		7.4	30.0
PFBS		NC	30.0
PFHpA		1.9	30.0
PFPeS		NC	30.0
6:2 FTSA		NC	30.0
PFOA		0.0	30.0
PFHxS		NC	30.0
PFHxS-LN		NC	30.0
PFHxS-BR		NC	30.0
PFNA		NC	30.0
8:2 FTSA		NC	30.0
PFHpS		NC	30.0
PFDA		NC	30.0
N-MeFOSAA		NC	30.0
EtFOSAA		NC	30.0
PFOS		NC	30.0
PFOS-LN		NC	30.0
PFOS-BR		NC	30.0
PFUnDA		NC	30.0
PFNS		NC	30.0
PFDoDA		NC	30.0
PFDS		NC	30.0
PFTrDA		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

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www.meritlabs.com

C.O.C. PAGE # 1 OF 1

155554

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yentz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211
P.O. NO.: 1940008845 Task 37
E-MAIL ADDRESS: Kevin.Schneider@Ramboll.com; Clifford.Yentz@Ramboll.com
QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RACER Coldwater Road
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS (7979)	Special Instructions
629717.01	6/5/24	1230	B-27D-06052024	GW	3	X							X	Low level Reporting with estimated values
.02	6/6/24	1018	B-9-06062024	GW	3	X							X	
.03	6/6/24	1125	B-7-06062024	GW	3	X							X	
.04	6/6/24	1120	Field Blank-06062024	QC	1	X							X	34 PFAS List

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☒ Sampler	DATE	TIME
		6/6/24	1400
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
		6/6/24	1700
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
		6/6/24	17:00
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
M Chilcote		6/6/24	1700

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 4.7

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 1.26.22

Analytical Laboratory Report

Report ID: S62827.01(01)
Generated on 06/25/2024

Report to

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

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

Addtional Contacts: Kevin Schneider

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

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Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S62827.01-S62827.05
Project: RACER Coldwater Road
Collected Date(s): 06/04/2024
Submitted Date/Time: 06/05/2024 13:05
Sampled by: Kevin Schneider
P.O. #: 1940008845 TASK 37

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Maya Murshak
Technical Director

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.

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

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
PFTrDA	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	67584-42-3
PFHxSA	Perfluorohexanesulfonamide	41997-13-1

Analytical Laboratory Report

Sample Summary (5 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S62827.01	Vault-A-060424	Wastewater	06/04/24 10:30
S62827.02	Vault-C-060424	Wastewater	06/04/24 12:55
S62827.03	Vault-E-060424	Wastewater	06/04/24 15:05
S62827.04	Vault-DUP-060424	Wastewater	06/04/24 00:01
S62827.05	Field Blank-06042024	Wastewater	06/04/24 00:01

Analytical Laboratory Report

Lab Sample ID: S62827.01
Sample Tag: Vault-A-060424
Collected Date/Time: 06/04/2024 10:30
Matrix: Wastewater
COC Reference: 171588

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15ml Centrifuge Tube	None	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.38/6.51/12	ASTMD7979-19M	06/06/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/06/24 20:45, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	16	10	2.0	ng/L	2.04	375-22-4	
PFPeA*	2.7	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*	4.1	2.0	1.2	ng/L	2.04	307-24-4	
PFBS*	6.9	2.0	0.61	ng/L	2.04	375-73-5	
PFHpA*	1.7	2.0	0.82	ng/L	2.04	375-85-9	J
PFPeS*	9.5	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*	12	2.0	0.82	ng/L	2.04	335-67-1	
PFHxS*	27	2.0	1.0	ng/L	2.04	355-46-4	
PFHxS-LN*	22	2.0	1.0	ng/L	2.04	355-46-4-LN	
PFHxS-BR*	5.0	2.0	1.0	ng/L	2.04	355-46-4-BR	
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*	6.8	2.0	0.82	ng/L	2.04	375-92-8	
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*	410	2.0	0.82	ng/L	2.04	1763-23-1	
PFOS-LN*	210	2.0	0.82	ng/L	2.04	1763-23-1-LN	
PFOS-BR*	210	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	
PFTrDA*	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

Lab Sample ID: S62827.01 (continued)

Sample Tag: Vault-A-060424

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/06/24 20:45, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	1,600	2.0	0.82	ng/L	2.04	67584-42-3	
PFHxSA*	Not detected	2.0	0.61	ng/L	2.04	41997-13-1	

Analytical Laboratory Report

Lab Sample ID: S62827.02
Sample Tag: Vault-C-060424
Collected Date/Time: 06/04/2024 12:55
Matrix: Wastewater
COC Reference: 171588

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15ml Centrifuge Tube	None	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.10/6.55/11	ASTMD7979-19M	06/06/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/06/24 21:25, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	14	9.9	2.0	ng/L	1.98	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	1.98	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.98	757124-72-4	
PFHxA*	2.3	2.0	1.2	ng/L	1.98	307-24-4	
PFBS*	4.3	2.0	0.59	ng/L	1.98	375-73-5	
PFHpA*	0.83	2.0	0.79	ng/L	1.98	375-85-9	J
PFPeS*	4.7	2.0	1.8	ng/L	1.98	2706-91-4	
6:2 FTSA*	Not detected	2.0	0.99	ng/L	1.98	27619-97-2	
PFOA*	7.9	2.0	0.79	ng/L	1.98	335-67-1	
PFHxS*	17	2.0	0.99	ng/L	1.98	355-46-4	
PFHxS-LN*	14	2.0	0.99	ng/L	1.98	355-46-4-LN	
PFHxS-BR*	3.0	2.0	0.99	ng/L	1.98	355-46-4-BR	
PFNA*	Not detected	2.0	0.99	ng/L	1.98	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.98	39108-34-4	
PFHpS*	4.5	2.0	0.79	ng/L	1.98	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.98	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.99	ng/L	1.98	2355-31-9	
EtFOSAA*	Not detected	4.0	0.99	ng/L	1.98	2991-50-6	
PFOS*	390	2.0	0.79	ng/L	1.98	1763-23-1	
PFOS-LN*	230	2.0	0.79	ng/L	1.98	1763-23-1-LN	
PFOS-BR*	170	2.0	0.79	ng/L	1.98	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.79	ng/L	1.98	2058-94-8	
PFNS*	Not detected	2.0	0.99	ng/L	1.98	68259-12-1	
PFDoDA*	Not detected	2.0	0.59	ng/L	1.98	307-55-1	
PFDS*	Not detected	2.0	0.99	ng/L	1.98	335-77-3	
PFTrDA*	Not detected	2.0	0.79	ng/L	1.98	72629-94-8	
FOSA*	Not detected	2.0	0.79	ng/L	1.98	754-91-6	
PFTeDA*	Not detected	4.0	0.59	ng/L	1.98	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.99	ng/L	1.98	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.99	ng/L	1.98	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.98	919005-14-4	
HFPO-DA*	Not detected	9.9	2.0	ng/L	1.98	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.9	7.9	ng/L	1.98	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.9	4.0	ng/L	1.98	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.9	4.0	ng/L	1.98	356-02-5	
PFBSA*	Not detected	2.0	0.59	ng/L	1.98	30334-69-1	

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

Lab Sample ID: S62827.02 (continued)

Sample Tag: Vault-C-060424

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/06/24 21:25, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	1,100	2.0	0.79	ng/L	1.98	67584-42-3	
PFHxSA*	Not detected	2.0	0.59	ng/L	1.98	41997-13-1	

Analytical Laboratory Report

Lab Sample ID: S62827.03
Sample Tag: Vault-E-060424
Collected Date/Time: 06/04/2024 15:05
Matrix: Wastewater
COC Reference: 171588

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15ml Centrifuge Tube	None	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.25/6.54/11	ASTMD7979-19M	06/06/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/06/24 21:45, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	6.0	9.7	1.9	ng/L	1.93	375-22-4	J
PFPeA*	2.0	3.9	1.2	ng/L	1.93	2706-90-3	J
4:2 FTSA*	Not detected	1.9	0.19	ng/L	1.93	757124-72-4	
PFHxA*	2.5	1.9	1.2	ng/L	1.93	307-24-4	
PFBS*	6.1	1.9	0.58	ng/L	1.93	375-73-5	
PFHpA*	1.2	1.9	0.77	ng/L	1.93	375-85-9	J
PFPeS*	8.5	1.9	1.7	ng/L	1.93	2706-91-4	
6:2 FTSA*	Not detected	1.9	0.97	ng/L	1.93	27619-97-2	
PFOA*	12	1.9	0.77	ng/L	1.93	335-67-1	
PFHxS*	31	1.9	0.97	ng/L	1.93	355-46-4	
PFHxS-LN*	25	1.9	0.97	ng/L	1.93	355-46-4-LN	
PFHxS-BR*	5.8	1.9	0.97	ng/L	1.93	355-46-4-BR	
PFNA*	Not detected	1.9	0.97	ng/L	1.93	375-95-1	
8:2 FTSA*	Not detected	1.9	1.2	ng/L	1.93	39108-34-4	
PFHpS*	9.5	1.9	0.77	ng/L	1.93	375-92-8	
PFDA*	Not detected	1.9	1.2	ng/L	1.93	335-76-2	
N-MeFOSAA*	Not detected	1.9	0.97	ng/L	1.93	2355-31-9	
EtFOSAA*	Not detected	3.9	0.97	ng/L	1.93	2991-50-6	
PFOS*	470	1.9	0.77	ng/L	1.93	1763-23-1	
PFOS-LN*	260	1.9	0.77	ng/L	1.93	1763-23-1-LN	
PFOS-BR*	210	1.9	0.77	ng/L	1.93	1763-23-1-BR	
PFUnDA*	Not detected	1.9	0.77	ng/L	1.93	2058-94-8	
PFNS*	Not detected	1.9	0.97	ng/L	1.93	68259-12-1	
PFDoDA*	Not detected	1.9	0.58	ng/L	1.93	307-55-1	
PFDS*	Not detected	1.9	0.97	ng/L	1.93	335-77-3	
PFTrDA*	Not detected	1.9	0.77	ng/L	1.93	72629-94-8	
FOSA*	2.8	1.9	0.77	ng/L	1.93	754-91-6	
PFTeDA*	Not detected	3.9	0.58	ng/L	1.93	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9	0.97	ng/L	1.93	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9	0.97	ng/L	1.93	756426-58-1	
ADONA*	Not detected	1.9	0.58	ng/L	1.93	919005-14-4	
HFPO-DA*	Not detected	9.7	1.9	ng/L	1.93	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.7	7.7	ng/L	1.93	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.7	3.9	ng/L	1.93	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.7	3.9	ng/L	1.93	356-02-5	
PFBSA*	1.5	1.9	0.58	ng/L	1.93	30334-69-1	J

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

Lab Sample ID: S62827.03 (continued)

Sample Tag: Vault-E-060424

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/06/24 21:45, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	1,100	1.9	0.77	ng/L	1.93	67584-42-3	
PFHxSA*	0.60	1.9	0.58	ng/L	1.93	41997-13-1	J

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

Analytical Laboratory Report

Lab Sample ID: S62827.04
Sample Tag: Vault-DUP-060424
Collected Date/Time: 06/04/2024 00:01
Matrix: Wastewater
COC Reference: 171588

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15ml Centrifuge Tube	None	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.37/6.44/12	ASTMD7979-19M	06/06/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/06/24 22:05, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	15	10	2.0	ng/L	2.02	375-22-4	
PFPeA*	2.1	4.0	1.2	ng/L	2.02	2706-90-3	J
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.02	757124-72-4	
PFHxA*	2.1	2.0	1.2	ng/L	2.02	307-24-4	
PFBS*	4.5	2.0	0.61	ng/L	2.02	375-73-5	
PFHpA*	Not detected	2.0	0.81	ng/L	2.02	375-85-9	
PFPeS*	6.1	2.0	1.8	ng/L	2.02	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.02	27619-97-2	
PFOA*	8.6	2.0	0.81	ng/L	2.02	335-67-1	
PFHxS*	20	2.0	1.0	ng/L	2.02	355-46-4	
PFHxS-LN*	16	2.0	1.0	ng/L	2.02	355-46-4-LN	
PFHxS-BR*	3.5	2.0	1.0	ng/L	2.02	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.02	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.02	39108-34-4	
PFHpS*	5.4	2.0	0.81	ng/L	2.02	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.02	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.02	2355-31-9	
EtFOSAA*	Not detected	4.0	1.0	ng/L	2.02	2991-50-6	
PFOS*	390	2.0	0.81	ng/L	2.02	1763-23-1	
PFOS-LN*	220	2.0	0.81	ng/L	2.02	1763-23-1-LN	
PFOS-BR*	180	2.0	0.81	ng/L	2.02	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.81	ng/L	2.02	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.02	68259-12-1	
PFDoDA*	Not detected	2.0	0.61	ng/L	2.02	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.02	335-77-3	
PFTrDA*	Not detected	2.0	0.81	ng/L	2.02	72629-94-8	
FOSA*	1.1	2.0	0.81	ng/L	2.02	754-91-6	J
PFTeDA*	Not detected	4.0	0.61	ng/L	2.02	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.02	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.02	756426-58-1	
ADONA*	Not detected	2.0	0.61	ng/L	2.02	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.02	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.1	ng/L	2.02	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.0	ng/L	2.02	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.0	ng/L	2.02	356-02-5	
PFBSA*	Not detected	2.0	0.61	ng/L	2.02	30334-69-1	

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

Lab Sample ID: S62827.04 (continued)

Sample Tag: Vault-DUP-060424

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/06/24 22:05, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	1,100	2.0	0.81	ng/L	2.02	67584-42-3	
PFHxSA*	Not detected	2.0	0.61	ng/L	2.02	41997-13-1	

Lab Sample ID: S62827.05
Sample Tag: Field Blank-06042024
Collected Date/Time: 06/04/2024 00:01
Matrix: Wastewater
COC Reference: 171588

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15ml Centrifuge Tube	None	Yes	2.6	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.41/6.55/10	ASTMD7979-19M	06/06/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/06/24 22:25, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.1	ng/L	2.06	375-22-4	
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*	Not detected	2.1	1.2	ng/L	2.06	307-24-4	
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*	Not detected	2.1	1.0	ng/L	2.06	355-46-4	
PFHxS-LN*	Not detected	2.1	1.0	ng/L	2.06	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.0	ng/L	2.06	355-46-4-BR	
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	
PFTrDA*	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	
PFECHS*	Not detected	2.1	0.82	ng/L	2.06	67584-42-3	

Lab Sample ID: S62827.05 (continued)

Sample Tag: Field Blank-06042024

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/06/24 22:25, Analyst: KCV (continued)

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

Merit Laboratories Login Checklist

Lab Set ID: S62827
Client: RAMBOLL (Ramboll Americas)
Project: RACER Coldwater Road
Submitted: 06/05/2024 13:05 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.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 2.6
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[X] Yes	[ ] No	[ ] N/A	COC adequately filled out	
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[X] Yes	[ ] No	[ ] N/A	Do sample have correct chemical preservation	
11.	[ ] Yes	[ ] No	[X] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[X] Yes	[ ] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[ ] No	[X] N/A	Do water VOC or TOX bottles contain headspace	

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

Client Review By: _____ Date: _____

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

171588

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211
P.O. NO.: 1940008845 Task 37
E-MAIL ADDRESS: Kevin.Schneider@RAMBOLL.com Clifford.Yantz@Ramboll.com
QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RACER Coldwater Road
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS (24rl)	Special Instructions
628270 1	6/4/24	1030	Vault - A - 06042024	ww	3	X							X	Low level Reporting
.02		1255	Vault - C - 06042024	ww	3	X							X	with estimated
.03		1505	Vault - E - 06042024	ww	3	X							X	Values
.04		—	Vault - DUP - 06042024	ww	3	X							X	
.05	↓	—	Field Blank - 06042024	QC	1	X							X	34 PFAS List

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☒ Sampler	DATE	TIME
K Schneider		6/5/24	11:32
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
[illegible]		6/5/24	11:32
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
[illegible]		6/5/24	13:05
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
M Chilcote		6/5/24	1305

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 2.6

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 1.26.22

Quality Control Report

Report ID: QC-S62827-01
Generated on 06/25/2024

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): S62827.01-S62827.05
Project: RACER Coldwater Road
Submitted Date/Time: 06/05/2024 13:05
Sampled by: Kevin Schneider
P.O. #: 1940008845 TASK 37

QC Report Sections

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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: S62827.01
Sample Tag: Vault-A-060424
Collected Date/Time: 06/04/2024 10:30
Matrix: Wastewater
COC Reference: 171588

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/06/24 20:45	AK240606	PF240606W1	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S62827.02
Sample Tag: Vault-C-060424
Collected Date/Time: 06/04/2024 12:55
Matrix: Wastewater
COC Reference: 171588

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/06/24 21:25	AK240606	PF240606W1	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S62827.03
Sample Tag: Vault-E-060424
Collected Date/Time: 06/04/2024 15:05
Matrix: Wastewater
COC Reference: 171588

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/06/24 21:45	AK240606	PF240606W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S62827.04

Sample Tag: Vault-DUP-060424

Collected Date/Time: 06/04/2024 00:01

Matrix: Wastewater

COC Reference: 171588

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/06/24 22:05	AK240606	PF240606W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S62827.05

Sample Tag: Field Blank-06042024

Collected Date/Time: 06/04/2024 00:01

Matrix: Wastewater

COC Reference: 171588

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	06/06/24 22:25	AK240606	PF240606W1	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: PF240606W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S62827.01	34 PFAs	ASTMD7979-19M	06/06/24 20:45	AK240606
S62827.02	34 PFAs	ASTMD7979-19M	06/06/24 21:25	AK240606
S62827.03	34 PFAs	ASTMD7979-19M	06/06/24 21:45	AK240606
S62827.04	34 PFAs	ASTMD7979-19M	06/06/24 22:05	AK240606
S62827.05	34 PFAs	ASTMD7979-19M	06/06/24 22:25	AK240606

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S62827.01

Sample Tag: Vault-A-060424

Collected Date/Time: 06/04/2024 10:30

Matrix: Wastewater

COC Reference: 171588

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240606, Run Date: 06/06/2024 20:45, Matrix: WW, Dilution: 2.04

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**110.4**	50.0	150.0
M2-6:2FTSA		**88.7**	50.0	150.0
M2-8:2FTSA		**83.8**	50.0	150.0
M2PFTeDA		**110.4**	12.0	218.0
M3PFBS		**93.4**	50.0	150.0
M3PFHxS		**90.0**	50.0	150.0
M4PFHpA		**91.2**	50.0	150.0
M5PFHxA		**97.0**	50.0	150.0
M5PFPeA		**96.9**	50.0	150.0
M6PFDA		**89.1**	50.0	150.0
M7PFUnDA		**103.3**	50.0	150.0
M8FOSA		**99.1**	50.0	150.0
M8PFOA		**92.6**	50.0	150.0
M8PFOS		**106.8**	50.0	150.0
M9-PFNA		**85.5**	50.0	150.0
MPFBA		**93.0**	50.0	150.0
MPFDoDA		**104.9**	50.0	150.0
d3N-MeFOSAA		**75.5**	50.0	150.0
d5EtFOSAA		**83.8**	50.0	150.0
MHFPO-DA		**93.0**	50.0	150.0
d-N-EtFOSA-M		**95.5**	50.0	150.0
d-N-MeFOSA-M		**102.0**	50.0	150.0
d7-N-MeFOSE-M		**102.5**	50.0	150.0
d9-N-EtFOSE-M		**103.1**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S62827.02

Sample Tag: Vault-C-060424

Collected Date/Time: 06/04/2024 12:55

Matrix: Wastewater

COC Reference: 171588

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240606, Run Date: 06/06/2024 21:25, Matrix: WW, Dilution: 1.98

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**102.6**	50.0	150.0
M2-6:2FTSA		**96.2**	50.0	150.0
M2-8:2FTSA		**97.9**	50.0	150.0
M2PFTeDA		**104.9**	12.0	218.0
M3PFBS		**98.2**	50.0	150.0
M3PFHxS		**96.5**	50.0	150.0
M4PFHpA		**97.4**	50.0	150.0
M5PFHxA		**99.1**	50.0	150.0
M5PFPeA		**98.8**	50.0	150.0
M6PFDA		**95.4**	50.0	150.0
M7PFUnDA		**95.9**	50.0	150.0
M8FOSA		**107.4**	50.0	150.0
M8PFOA		**99.0**	50.0	150.0
M8PFOS		**101.3**	50.0	150.0
M9-PFNA		**91.0**	50.0	150.0
MPFBA		**89.0**	50.0	150.0
MPFDoDA		**101.0**	50.0	150.0
d3N-MeFOSAA		**86.2**	50.0	150.0
d5EtFOSAA		**85.0**	50.0	150.0
MHFPO-DA		**93.6**	50.0	150.0
d-N-EtFOSA-M		**106.1**	50.0	150.0
d-N-MeFOSA-M		**99.4**	50.0	150.0
d7-N-MeFOSE-M		**105.9**	50.0	150.0
d9-N-EtFOSE-M		**99.3**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S62827.03

Sample Tag: Vault-E-060424

Collected Date/Time: 06/04/2024 15:05

Matrix: Wastewater

COC Reference: 171588

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240606, Run Date: 06/06/2024 21:45, Matrix: WW, Dilution: 1.93

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**92.3**	50.0	150.0
M2-6:2FTSA		**90.8**	50.0	150.0
M2-8:2FTSA		**100.6**	50.0	150.0
M2PFTeDA		**89.8**	12.0	218.0
M3PFBS		**96.3**	50.0	150.0
M3PFHxS		**87.7**	50.0	150.0
M4PFHpA		**96.5**	50.0	150.0
M5PFHxA		**101.1**	50.0	150.0
M5PFPeA		**96.7**	50.0	150.0
M6PFDA		**98.9**	50.0	150.0
M7PFUnDA		**90.8**	50.0	150.0
M8FOSA		**98.3**	50.0	150.0
M8PFOA		**104.4**	50.0	150.0
M8PFOS		**108.9**	50.0	150.0
M9-PFNA		**93.3**	50.0	150.0
MPFBA		**90.4**	50.0	150.0
MPFDoDA		**100.6**	50.0	150.0
d3N-MeFOSAA		**83.2**	50.0	150.0
d5EtFOSAA		**87.0**	50.0	150.0
MHFPO-DA		**92.6**	50.0	150.0
d-N-EtFOSA-M		**105.0**	50.0	150.0
d-N-MeFOSA-M		**98.2**	50.0	150.0
d7-N-MeFOSE-M		**102.0**	50.0	150.0
d9-N-EtFOSE-M		**95.7**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S62827.04

Sample Tag: Vault-DUP-060424

Collected Date/Time: 06/04/2024 00:01

Matrix: Wastewater

COC Reference: 171588

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240606, Run Date: 06/06/2024 22:05, Matrix: WW, Dilution: 2.02

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**112.6**	50.0	150.0
M2-6:2FTSA		**99.2**	50.0	150.0
M2-8:2FTSA		**94.5**	50.0	150.0
M2PFTeDA		**110.1**	12.0	218.0
M3PFBS		**94.1**	50.0	150.0
M3PFHxS		**91.2**	50.0	150.0
M4PFHpA		**92.5**	50.0	150.0
M5PFHxA		**99.4**	50.0	150.0
M5PFPeA		**93.9**	50.0	150.0
M6PFDA		**88.8**	50.0	150.0
M7PFUnDA		**101.0**	50.0	150.0
M8FOSA		**98.5**	50.0	150.0
M8PFOA		**92.5**	50.0	150.0
M8PFOS		**105.8**	50.0	150.0
M9-PFNA		**85.0**	50.0	150.0
MPFBA		**87.3**	50.0	150.0
MPFDoDA		**100.3**	50.0	150.0
d3N-MeFOSAA		**79.9**	50.0	150.0
d5EtFOSAA		**79.9**	50.0	150.0
MHFPO-DA		**101.6**	50.0	150.0
d-N-EtFOSA-M		**92.7**	50.0	150.0
d-N-MeFOSA-M		**101.1**	50.0	150.0
d7-N-MeFOSE-M		**89.1**	50.0	150.0
d9-N-EtFOSE-M		**98.6**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S62827.05

Sample Tag: Field Blank-06042024

Collected Date/Time: 06/04/2024 00:01

Matrix: Wastewater

COC Reference: 171588

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240606, Run Date: 06/06/2024 22:25, Matrix: WW, Dilution: 2.06

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**101.5**	50.0	150.0
M2-6:2FTSA		**92.7**	50.0	150.0
M2-8:2FTSA		**91.4**	50.0	150.0
M2PFTeDA		**109.4**	12.0	218.0
M3PFBS		**101.7**	50.0	150.0
M3PFHxS		**96.3**	50.0	150.0
M4PFHpA		**93.9**	50.0	150.0
M5PFHxA		**98.7**	50.0	150.0
M5PFPeA		**101.6**	50.0	150.0
M6PFDA		**91.3**	50.0	150.0
M7PFUnDA		**108.6**	50.0	150.0
M8FOSA		**106.5**	50.0	150.0
M8PFOA		**101.2**	50.0	150.0
M8PFOS		**102.7**	50.0	150.0
M9-PFNA		**99.1**	50.0	150.0
MPFBA		**103.5**	50.0	150.0
MPFDoDA		**100.2**	50.0	150.0
d3N-MeFOSAA		**103.1**	50.0	150.0
d5EtFOSAA		**96.2**	50.0	150.0
MHFPO-DA		**90.6**	50.0	150.0
d-N-EtFOSA-M		**106.5**	50.0	150.0
d-N-MeFOSA-M		**102.4**	50.0	150.0
d7-N-MeFOSE-M		**102.8**	50.0	150.0
d9-N-EtFOSE-M		**102.3**	50.0	150.0

QC Report - Internal Standards per QC Sample

Organics - Volatiles, Prep Batch ID: PF240606W1

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

Blank (BLK)

Lab Sample ID: AK240606.BLK240606

Run in Batch: AK240606, Run Date: 06/06/2024 15:24, Prep Date: 06/06/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**105.3**	50.0	150.0
M2-6:2FTSA		**105.4**	50.0	150.0
M2-8:2FTSA		**110.3**	50.0	150.0
M2PFTeDA		**102.9**	12.0	218.0
M3PFBS		**111.2**	50.0	150.0
M3PFHxS		**100.1**	50.0	150.0
M4PFHpA		**105.0**	50.0	150.0
M5PFHxA		**113.6**	50.0	150.0
M5PFPeA		**104.5**	50.0	150.0
M6PFDA		**110.3**	50.0	150.0
M7PFUnDA		**113.0**	50.0	150.0
M8FOSA		**106.0**	50.0	150.0
M8PFOA		**116.5**	50.0	150.0
M8PFOS		**122.4**	50.0	150.0
M9-PFNA		**99.6**	50.0	150.0
MPFBA		**113.3**	50.0	150.0
MPFDoDA		**114.3**	50.0	150.0
d3N-MeFOSAA		**102.0**	50.0	150.0
d5EtFOSAA		**101.1**	50.0	150.0
MHFPO-DA		**108.0**	50.0	150.0
d-N-EtFOSA-M		**111.5**	50.0	150.0
d-N-MeFOSA-M		**114.3**	50.0	150.0
d7-N-MeFOSE-M		**110.5**	50.0	150.0
d9-N-EtFOSE-M		**107.3**	50.0	150.0

QC Report - Internal Standards per QC Sample

Laboratory Control Sample (LCS)

Lab Sample ID: AK240606.LCS240606

Run in Batch: AK240606, Run Date: 06/06/2024 14:44, Prep Date: 06/06/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**100.9**	50.0	150.0
M2-6:2FTSA		**106.2**	50.0	150.0
M2-8:2FTSA		**98.4**	50.0	150.0
M2PFTeDA		**108.1**	12.0	218.0
M3PFBS		**102.8**	50.0	150.0
M3PFHxS		**112.9**	50.0	150.0
M4PFHpA		**103.8**	50.0	150.0
M5PFHxA		**114.1**	50.0	150.0
M5PFPeA		**108.2**	50.0	150.0
M6PFDA		**111.1**	50.0	150.0
M7PFUnDA		**117.1**	50.0	150.0
M8FOSA		**107.6**	50.0	150.0
M8PFOA		**118.2**	50.0	150.0
M8PFOS		**111.9**	50.0	150.0
M9-PFNA		**97.7**	50.0	150.0
MPFBA		**110.3**	50.0	150.0
MPFDoDA		**113.6**	50.0	150.0
d3N-MeFOSAA		**106.3**	50.0	150.0
d5EtFOSAA		**96.7**	50.0	150.0
MHFPO-DA		**113.0**	50.0	150.0
d-N-EtFOSA-M		**112.6**	50.0	150.0
d-N-MeFOSA-M		**105.6**	50.0	150.0
d7-N-MeFOSE-M		**105.0**	50.0	150.0
d9-N-EtFOSE-M		**113.6**	50.0	150.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK240606.LCSD240606, Parent Sample ID: AK240606.LCS240606

Run in Batch: AK240606, Run Date: 06/06/2024 15:04, Prep Date: 06/06/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**103.6**	50.0	150.0
M2-6:2FTSA		**95.3**	50.0	150.0
M2-8:2FTSA		**109.4**	50.0	150.0
M2PFTeDA		**108.6**	12.0	218.0
M3PFBS		**99.6**	50.0	150.0
M3PFHxS		**100.2**	50.0	150.0
M4PFHpA		**89.8**	50.0	150.0
M5PFHxA		**112.3**	50.0	150.0
M5PFPeA		**103.3**	50.0	150.0
M6PFDA		**100.9**	50.0	150.0
M7PFUnDA		**109.5**	50.0	150.0
M8FOSA		**106.0**	50.0	150.0
M8PFOA		**108.5**	50.0	150.0
M8PFOS		**110.3**	50.0	150.0
M9-PFNA		**102.5**	50.0	150.0
MPFBA		**109.6**	50.0	150.0
MPFDoDA		**104.5**	50.0	150.0
d3N-MeFOSAA		**97.5**	50.0	150.0
d5EtFOSAA		**103.6**	50.0	150.0
MHFPO-DA		**100.5**	50.0	150.0
d-N-EtFOSA-M		**117.2**	50.0	150.0
d-N-MeFOSA-M		**104.0**	50.0	150.0
d7-N-MeFOSE-M		**99.0**	50.0	150.0
d9-N-EtFOSE-M		**102.9**	50.0	150.0

Matrix Spike (MS)

Lab Sample ID: AK240606.6279801M, Parent Sample ID: S62798.01

Run in Batch: AK240606, Run Date: 06/06/2024 19:25, Prep Date: 06/06/2024, Matrix: WW, Dilution: 1.89

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**101.6**	50.0	150.0
M2-6:2FTSA		**85.1**	50.0	150.0
M2-8:2FTSA		**94.6**	50.0	150.0
M2PFTeDA		**108.9**	12.0	218.0
M3PFBS		**93.2**	50.0	150.0
M3PFHxS		**97.2**	50.0	150.0
M4PFHpA		**97.2**	50.0	150.0
M5PFHxA		**105.8**	50.0	150.0
M5PFPeA		**93.8**	50.0	150.0
M6PFDA		**101.5**	50.0	150.0
M7PFUnDA		**94.1**	50.0	150.0
M8FOSA		**99.2**	50.0	150.0
M8PFOA		**95.6**	50.0	150.0
M8PFOS		**107.0**	50.0	150.0
M9-PFNA		**94.0**	50.0	150.0
MPFBA		**94.5**	50.0	150.0
MPFDoDA		**102.7**	50.0	150.0
d3N-MeFOSAA		**81.6**	50.0	150.0
d5EtFOSAA		**79.9**	50.0	150.0
MHFPO-DA		**104.6**	50.0	150.0
d-N-EtFOSA-M		**101.0**	50.0	150.0
d-N-MeFOSA-M		**107.9**	50.0	150.0
d7-N-MeFOSE-M		**95.8**	50.0	150.0
d9-N-EtFOSE-M		**97.1**	50.0	150.0

Duplicate (DUP)

Lab Sample ID: AK240606.6282701D, Parent Sample ID: S62827.01

Run in Batch: AK240606, Run Date: 06/06/2024 21:05, Prep Date: 06/06/2024, Matrix: WW, Dilution: 2.04

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**100.1**	50.0	150.0
M2-6:2FTSA		**96.1**	50.0	150.0
M2-8:2FTSA		**82.3**	50.0	150.0
M2PFTeDA		**105.5**	12.0	218.0
M3PFBS		**109.3**	50.0	150.0
M3PFHxS		**93.3**	50.0	150.0
M4PFHpA		**94.4**	50.0	150.0
M5PFHxA		**97.7**	50.0	150.0
M5PFPeA		**95.8**	50.0	150.0
M6PFDA		**95.9**	50.0	150.0
M7PFUnDA		**93.0**	50.0	150.0
M8FOSA		**107.7**	50.0	150.0
M8PFOA		**107.8**	50.0	150.0
M8PFOS		**100.8**	50.0	150.0
M9-PFNA		**89.5**	50.0	150.0
MPFBA		**92.1**	50.0	150.0
MPFDoDA		**100.7**	50.0	150.0
d3N-MeFOSAA		**77.8**	50.0	150.0
d5EtFOSAA		**83.2**	50.0	150.0
MHFPO-DA		**93.5**	50.0	150.0
d-N-EtFOSA-M		**112.9**	50.0	150.0
d-N-MeFOSA-M		**97.1**	50.0	150.0
d7-N-MeFOSE-M		**102.8**	50.0	150.0
d9-N-EtFOSE-M		**107.5**	50.0	150.0

Organics - Volatiles, Prep Batch ID: PF240606W1

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

Blank (BLK)

Lab Sample ID: AK240606.BLK240606

Run in Batch: AK240606, Run Date: 06/06/2024 15:24, Prep Date: 06/06/2024, 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
PFPrS		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
PFHpA		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
PFHpS		ND	2	ng/l
8:2 FTSA		ND	2	ng/l
PFDA		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
PFOS-BR		ND	2	ng/l
EtFOSAA		ND	4	ng/l
PFOS		ND	2	ng/l
PFOS-LN		ND	2	ng/l
PFUnDA		ND	2	ng/l
PFHxSA		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
PFTrDA		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

Organics - Volatiles, Prep Batch ID: PF240606W1 (continued)

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

Blank (BLK) (continued)

Lab Sample ID: AK240606.BLK240606

Run in Batch: AK240606, Run Date: 06/06/2024 15:24, Prep Date: 06/06/2024, 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: AK240606.LCS240606

Run in Batch: AK240606, Run Date: 06/06/2024 14:44, Prep Date: 06/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		88.8	70.0	130.0
PFMPA	*	69.2	70.0	130.0
FPrPA (3:3 FTCA)		81.6	70.0	130.0
PFPrS		78.8	70.0	130.0
PFPeA		85.0	70.0	130.0
PFMBA		73.6	70.0	130.0
4:2 FTSA		87.0	70.0	130.0
NFDHA		81.2	70.0	130.0
PFHxA		81.4	70.0	130.0
PFBS		85.0	70.0	130.0
HFPO-DA		70.2	70.0	130.0
FPePA (5:3 FTCA)		71.4	70.0	130.0
PFEESA		75.0	70.0	130.0
PFHpA		84.6	70.0	130.0
PFPeS		83.6	70.0	130.0
ADONA		78.6	70.0	130.0
6:2 FTSA		84.4	70.0	130.0
PFBSA		81.2	70.0	130.0
PFOA		70.8	70.0	130.0
PFHxS	*	68.6	70.0	130.0
FHpPA (7:3 FTCA)	*	61.8	70.0	130.0
PFNA		91.4	70.0	130.0
PFECHS		91.6	70.0	130.0
PFHpS		85.4	70.0	130.0
8:2 FTSA		87.2	70.0	130.0
PFDA		82.4	70.0	130.0
N-MeFOSAA		87.6	70.0	130.0
EtFOSAA		91.4	70.0	130.0
PFOS		93.6	70.0	130.0
PFUnDA		88.2	70.0	130.0
PFHxSA		75.0	70.0	130.0
9CL-PF3ONS		91.6	70.0	130.0
PFNS		88.0	70.0	130.0
PFDoDA		79.4	70.0	130.0
PFDS		93.0	70.0	130.0
PFTrDA		88.4	70.0	130.0
11CL-PF3OUdS		87.4	70.0	130.0
FOSA		79.0	70.0	130.0
PFTeDA		79.8	70.0	130.0

Organics - Volatiles, Prep Batch ID: PF240606W1 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK240606.LCS240606

Run in Batch: AK240606, Run Date: 06/06/2024 14:44, Prep Date: 06/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFDOS		90.8	70.0	130.0
NMeFOSE		84.4	70.0	130.0
NMeFOSAM		81.8	70.0	130.0
NEtFOSE		80.6	70.0	130.0
NEtFOSAM		74.8	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK240606.LCSD240606, Parent Sample ID: AK240606.LCS240606

Run in Batch: AK240606, Run Date: 06/06/2024 15:04, Prep Date: 06/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		97.4	70.0	130.0	9.2	30.0
PFMPA		70.4	70.0	130.0	1.7	30.0
FPrPA (3:3 FTCA)		81.6	70.0	130.0	0.0	30.0
PFPrS		84.4	70.0	130.0	6.9	30.0
PFPeA		87.2	70.0	130.0	2.6	30.0
PFMBA		70.6	70.0	130.0	4.2	30.0
4:2 FTSA		80.0	70.0	130.0	8.4	30.0
NFDHA		79.6	70.0	130.0	2.0	30.0
PFHxA		87.6	70.0	130.0	7.3	30.0
PFBS		92.8	70.0	130.0	8.8	30.0
HFPO-DA		83.6	70.0	130.0	17.4	30.0
FPePA (5:3 FTCA)		90.6	70.0	130.0	23.7	30.0
PFEESA		73.8	70.0	130.0	1.6	30.0
PFHpA		107.6	70.0	130.0	23.9	30.0
PFPeS		82.4	70.0	130.0	1.4	30.0
ADONA		83.6	70.0	130.0	6.2	30.0
6:2 FTSA		86.2	70.0	130.0	2.1	30.0
PFBSA		84.6	70.0	130.0	4.1	30.0
PFOA		76.0	70.0	130.0	7.1	30.0
PFHxS		85.0	70.0	130.0	21.4	30.0
FHpPA (7:3 FTCA)		72.2	70.0	130.0	15.5	30.0
PFNA		85.4	70.0	130.0	6.8	30.0
PFECHS		95.4	70.0	130.0	4.1	30.0
PFHpS		90.6	70.0	130.0	5.9	30.0
8:2 FTSA		85.8	70.0	130.0	1.6	30.0
PFDA		88.0	70.0	130.0	6.6	30.0
N-MeFOSAA		99.0	70.0	130.0	12.2	30.0
EtFOSAA		94.8	70.0	130.0	3.7	30.0
PFOS		92.4	70.0	130.0	1.3	30.0
PFUnDA		89.0	70.0	130.0	0.9	30.0
PFHxSA		76.2	70.0	130.0	1.6	30.0
9CL-PF3ONS		90.2	70.0	130.0	1.5	30.0
PFNS		86.2	70.0	130.0	2.1	30.0
PFDoDA		90.8	70.0	130.0	13.4	30.0
PFDS		97.8	70.0	130.0	5.0	30.0
PFTrDA		97.8	70.0	130.0	10.1	30.0

Organics - Volatiles, Prep Batch ID: PF240606W1 (continued)

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

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK240606.LCSD240606, Parent Sample ID: AK240606.LCS240606

Run in Batch: AK240606, Run Date: 06/06/2024 15:04, Prep Date: 06/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
11CL-PF3OUdS		85.2	70.0	130.0	2.5	30.0
FOSA		81.4	70.0	130.0	3.0	30.0
PFTeDA		83.4	70.0	130.0	4.4	30.0
PFDOS		93.8	70.0	130.0	3.3	30.0
NMeFOSE		96.4	70.0	130.0	13.3	30.0
NMeFOSAM		78.8	70.0	130.0	3.7	30.0
NEtFOSE		91.4	70.0	130.0	12.6	30.0
NEtFOSAM		79.8	70.0	130.0	6.5	30.0

Matrix Spike (MS)

Lab Sample ID: AK240606.6279801M, Parent Sample ID: S62798.01

Run in Batch: AK240606, Run Date: 06/06/2024 19:25, Prep Date: 06/06/2024, Matrix: WW, Dilution: 1.89

Analyte	Flags	% Rec	LCL	UCL
PFBA		116.4	70.0	130.0
PFPeA		109.0	70.0	130.0
4:2 FTSA		100.5	70.0	130.0
PFHxA		95.4	70.0	130.0
PFBS		104.8	70.0	130.0
PFHpA		98.4	70.0	130.0
PFPeS		98.4	70.0	130.0
6:2 FTSA		116.4	70.0	130.0
PFOA		91.6	70.0	130.0
PFHxS		98.3	70.0	130.0
PFNA		108.3	70.0	130.0
8:2 FTSA		103.7	70.0	130.0
PFHpS		105.8	70.0	130.0
PFDA		103.7	70.0	130.0
N-MeFOSAA		116.4	70.0	130.0
EtFOSAA	*	137.6	70.0	130.0
PFOS		106.2	70.0	130.0
PFUnDA	*	137.6	70.0	130.0
PFNS		103.7	70.0	130.0
PFDoDA		105.8	70.0	130.0
PFDS		105.8	70.0	130.0
PFTrDA		116.4	70.0	130.0
FOSA		101.6	70.0	130.0
PFTeDA		100.5	70.0	130.0
11CL-PF3OUdS		105.8	70.0	130.0
9CL-PF3ONS		103.7	70.0	130.0
ADONA		105.8	70.0	130.0
HFPO-DA		81.5	70.0	130.0

Organics - Volatiles, Prep Batch ID: PF240606W1 (continued)

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

Duplicate (DUP)

Lab Sample ID: AK240606.6282701D, Parent Sample ID: S62827.01

Run in Batch: AK240606, Run Date: 06/06/2024 21:05, Prep Date: 06/06/2024, Matrix: WW, Dilution: 2.04

Analyte	Flags	RPD	RPD CL
PFBA		6.1	30.0
PFPeA	J	10.5	30.0
4:2 FTSA		NC	30.0
PFHxA		15.8	30.0
PFBS		14.0	30.0
PFHpA	J	0.0	30.0
PFPeS		18.4	30.0
6:2 FTSA		NC	30.0
PFOA		18.2	30.0
PFHxS		3.6	30.0
PFHxS-LN		4.4	30.0
PFHxS-BR		15.1	30.0
PFNA		NC	30.0
8:2 FTSA		NC	30.0
PFHpS		18.7	30.0
PFDA		NC	30.0
N-MeFOSAA		NC	30.0
EtFOSAA		NC	30.0
PFOS		15.7	30.0
PFOS-LN		17.4	30.0
PFOS-BR		9.1	30.0
PFUnDA		NC	30.0
PFNS		NC	30.0
PFDoDA		NC	30.0
PFDS		NC	30.0
PFTrDA		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		11.8	30.0
PFHxSA		NC	30.0

Merit Laboratories, Inc.

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www.meritlabs.com

C.O.C. PAGE # 1 OF 1

171588

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Commonwealth Blvd
CITY: Ann Arbor STATE: MI ZIP CODE: 48105
PHONE NO.: CELL NO.: 313-333-0211
P.O. NO.: 1940008845 Task 37
E-MAIL ADDRESS: Kevin.Schneider@RAMBOLL.com Clifford.Yantz@Ramboll.com
QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: RACER Coldwater Road
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Kevin Schneider

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☒ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS (24rl)	Special Instructions
628270 1	6/4/24	1030	Vault - A - 06042024	ww	3	X							X	Low level Reporting
.02		1255	Vault - C - 06042024	ww	3	X							X	with estimated
.03		1505	Vault - E - 06042024	ww	3	X							X	Values
.04		—	Vault - DUP - 06042024	ww	3	X							X	
.05	↓	—	Field Blank - 06042024	QC	1	X							X	34 PFAS List

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☒ Sampler	DATE	TIME
K Schneider		6/5/24	11:32
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
[illegible]		6/5/24	11:32
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
[illegible]		6/5/24	13:05
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
M Chilcote		6/5/24	1305

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 2.6

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 1.26.22