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ENVIRONMENT
& HEALTH

Mr. Brian Kuberski

Michigan Department of Environment, Great Lakes, and Energy
Remediation and Redevelopment Division
Constitution Hall
525 West Allegan Street
Lansing, MI 48909

RE: ***PFAS Sampling Results – April 2024 Event***
RACER Trust – Hemphill Road Industrial Land, Burton, Michigan

FILE: 1088190/1940107193/Docs

Dear **Mr. Kuberski**:

Date August 28, 2024

This technical memorandum has been prepared by Ramboll Americas Engineering Solutions, Inc. (Ramboll), on behalf of the Revitalizing Auto Communities Environmental Response Trust (RACER Trust) to provide the results of the recently completed sampling and analysis for per- and polyfluoroalkyl substances (PFAS) at the Hemphill Road Industrial Land (HRIL) facility located in Burton, Michigan (Site) (**Figure 1**).

The work summarized in this letter was completed in response to EGLE's approval of activities proposed in the Ramboll August 14, 2020 technical memorandum as amended based on comments from EGLE.

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Sample Collection

Groundwater Sample Collection

Groundwater samples for PFAS analysis were collected from the onsite wells listed below. See **Figure 2** for sample locations. Groundwater samples from below the light non-aqueous phase liquid (LNAPL) at OBG MW-4S and MW-401 were not attempted during this sampling event.

- Six shallow onsite monitoring wells with PFAS detections or are monitoring wells that surround the wells with detections
    - MW-403, OBG MW-5S, OBG MW-7S, OBG MW-8, OBG MW-9, and OBG MW-11
- Three deep onsite monitoring wells
    - OBG MW-2D, OBG MW-6D, and OBG MW-7D
- One onsite monitoring well with LNAPL impacts (water samples were collected from beneath LNAPL)
    - OBG MW-10

Special care was taken during sampling and transport of the samples to avoid cross-contamination from clothing, sampling materials, and storage containers due to the extremely low detection limits for PFAS (<1 ng/l). High-density polyethylene tubing (HDPE) and silicone tubing were utilized for sample collection at each well location. Samples were collected in accordance with the EGLE Groundwater PFAS Sampling Guidance (EGLE, 2018) and Ramboll PFAS Sampling Field Guidance Document (March 2022).

Low flow 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) *Low Stress (Low-Flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells*.

Low-flow groundwater sampling was performed using HDPE sample tubing lowered approximately to the midpoint of the well screen and connected to a peristaltic pump utilizing silicone tubing. The tubing was then attached to a flow-through cell connected to a physical parameter measurement instrument capable of measuring temperature, conductivity, pH, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Turbidity was measured with a separate turbidity meter.

The wells were purged at rates that produced less than 0.3 ft of drawdown in the wells, except for wells OBG MW-5S, OBG MW-6D, OBG MW-7S, OBG MW-8, OBG MW-9, and OBG MW-10. For these wells, the purge rate was maintained at a maximum of 100 milliliters per minute [ml/min]; however, a drawdown of more than 0.3 ft was observed.

Purging continued until the water quality parameters stabilized over three consecutive 5-minute periods pursuant to USEPA's Low Stress Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells. Purge water was discharged to the ground surface onsite, except for well OBG MW-10 where the purged groundwater was poured back down the well after sample collection.

Once stabilized, the flow-through cell was disconnected, and samples were collected directly into laboratory supplied containers. The sample container selection and preservation techniques followed EGLE Remediation and Redevelopment Division (RRD) Standard Operating Procedure for Sample Preservation, Sample Handling, and Holding Time (RRD-34).

The samples were labeled, packed on ice, and shipped via courier under routine chain-of-custody protocols to Merit Laboratories, Inc. (Merit) of East Lansing, Michigan. The groundwater samples were analyzed for PFAS by method ASTMD7979-19 (no preservative).

Quality Assurance/Quality Control (QA/QC) samples consisted of a field duplicate (OBG-MW-5S) and a field (ambient) blank to check for cross contamination. A peristaltic pump was used for sample collection with tubing dedicated to each well; therefore, no equipment blank was collected.

Sanitary Sewer Sample Collection

Two PFAS samples were collected from the sanitary sewers during this event. One sample (SAN-02) was collected upstream of SAN-01 manhole located at the southwest corner of the Site near monitoring well OBG MW-3. Sample SAN-02 was collected from the downstream outlet within the manhole, which was the combined flow coming from the east and the flow being discharged into the manhole via a drainage pipe that appears to be associated with the medical facility to the southwest. The second sample (SAN-03) was collected from within the SAN-02 manhole, from the flow being discharged into the manhole via

a drainage pipe that appears to be associated with the medical facility to the southwest that entered the manhole approximately 6 feet from the bottom of the manhole. At the time of sampling SAN-02 and SAN-03 there was a moderate flow in the line and from the drainage pipe that appears to be associated with discharge from the direction of the medical facility.

During the sampling event there was no flow observed from both the north and south sewer lines entering the manhole located just southeast of the Site. The sewer lines and manhole were dry. See **Figure 5** for sample locations.

Sanitary sewer sampling was performed in accordance with the methods specified in EGLE's Wastewater PFAS Sampling Guidance. Personnel did not enter confined space areas (manholes) and samples were collected remotely. SAN-02 was collected with a peristaltic pump and HDPE tubing that was weighted down with a stainless-steel weight and lowered into the manhole. SAN-03 was collected by lowering a sample bottle tied to a line to the discharge pipe within the manhole. The sanitary sewer sample were analyzed for PFAS by method ASTMD7979-19 (no preservative).

PFAS Analytical Results

A review of the analytical data presented in the attached tables indicates similar results to the previous sampling events, a summary of the data is provided below. For further detail please refer to **Table 1** for groundwater results, **Table 2** for LNAPL results, and **Table 3** for the sanitary sewer results. The laboratory analytical reports are provided in **Attachment A**. It's our understanding that the newly enacted MCL for PFOS of 4 ng/l has not yet been adopted by EGLE and we should continue to apply the current PFAS rules and criteria at the Site until further notice.

Groundwater PFAS Sample Results

Overall results from this event were consistent with the results from previous events. Analytical results for the following samples were either not detected above the reporting limits or were below the EGLE Part 201 PFAS drinking water criteria, if established:

- Four shallow onsite monitoring wells
    - OBG MW-5S (and OBG MW-5S duplicate), OBG MW-8, OBG MW-9, and OBG MW-11
- Three deep onsite monitoring wells
    - OBG MW-2D, OBG MW-6D, and OBG MW-7D

The following monitoring wells contained either perfluorooctanoic acid (PFOA) and/or perfluorooctane sulfonic acid (PFOS) above EGLE drinking water cleanup criteria (8 ng/l and 16 ng/l, respectively).

- Three onsite monitoring wells
    - OBG MW-7S (13 ng/l PFOA / 36 ng/l PFOS), OBG MW-10 (11 ng/l PFOA – water from beneath LNAPL), and MW-403 (11 ng/l PFOA / 520 ng/l PFOS)

The relative percent differences (RPDs) for the duplicate sample results for OBG MW-5S and DUP-042723 (OBG MW-5S) were within acceptable limits.

Perflurobutanoic Acid (PFBA) (2.9 ng/l), Perfluoropentanoic Acid (PFPeA) (2.0 ng/l) and Perfluorobutane Sulfonic Acid (PFBS) (0.66 ng/l) were detected in OBG MW-6D at estimated (J qualified) concentrations.

No drinking water criteria has been established for PFBA and PFPeA. The criterion for PFBS is 420 ng/l. PFAS were non-detect in monitoring wells OBG MW-2D and OBG MW-7D. These results continue to indicate that the deeper groundwater zone is not impacted above criteria.

Shallow groundwater analytical results continue to indicate that the concentrations of PFAS in wells and the extent of PFAS impacted areas are stable. PFAS impacted areas are within waste fill around monitoring well OBG MW-7S on the northeast side of the Site and an area within waste fill between monitoring wells OBG MW-10 and OBG MW-5S on the southeast side of the Site, with the source area or monitoring well with the highest concentrations being MW-403.

Higher detections on the east side of the Site continue to appear related to certain locations within the waste fill along the east side of the Site. However, not all the waste fill appears to contain PFAS as monitoring wells OBG MW-8, OBG MW-9, and OBG MW-11 which are screened in fill material continue to be non-detect or had detections below the drinking water criteria.

Based on the onsite PFAS concentrations and on- and off-site groundwater flow directions (i.e., apparent flow direction from OBG-OSMW-3 to the southwest, which is from OBG-OSMW-3 toward the Site), the PFAS observed in wells on the Site do not appear to be the source for groundwater PFAS exceedances offsite to the east at OBG OSMW-3. The highest PFAS concentrations detected at the Site are in MW-403 (PFOA at 11 ng/l and PFOS at 520 ng/l with PFOS concentrations as high as 960 ng/l), yet offsite downgradient monitoring wells OBG OSMW-4 and OBG OSMW-5 have been below criteria indicating that PFAS does not appear to be migrating appreciably. In the northern waste fill area PFOA concentrations in OBG MW-7S have ranged from a high of 25 ng/l to the current concentration of 13 ng/l and PFOS from 60 ng/l to the current concentration of 36 ng/l. Based on the lack of downgradient PFAS migration observed from MW-403 area, we do not anticipate significant concentrations of PFAS migrating offsite due to the impacts observed at OBG MW-7S.

Figure 3 provides a summary of the sample results on the base map, and **Figure 4** provides a groundwater contour map for the recent sampling event. Shallow groundwater flow is toward the east near OBG MW-7S and is more southeast in the southern portion of the Site.

Sanitary Sewer PFAS Sample Results

PFAS was not detected above the EGLE Rule 57 Surface Water Quality Values for non-drinking water in samples SAN-02 and SAN-03. The analytical results were similar compared to previous sampling events and will continue to be evaluated during future sampling events.

Path Forward

Based on the results from the past eight sampling events (starting in June 2020) which have shown that PFAS impacts are stable, and that the February 10, 2021 Exposure Pathway Evaluation has not changed, the next currently scheduled sampling event is to take place during the second quarter of 2025, however EGLE and RACER are currently discussing next steps to address the Site and the timing and/or scope of groundwater sampling could be modified prior to the second quarter of 2025.

If you have any questions or comments concerning this tech memo, please feel free to contact me at 313.333.0211 or Brendan Mullen at 201.247.4890.

Yours sincerely

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

Clifford S. Yantz

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Enclosures

Table 1 – Groundwater PFAS Sampling Results
Table 2 – LNAPL PFAS Sampling Results
Table 3 – Sanitary Sewer PFAS Sampling Results

Figure 1 – Site Location Map
Figure 2 – Monitoring Well Locations
Figure 3 – PFAS Sample Results
Figure 4 – Interpreted Shallow Groundwater Elevation Contours – April 29, 2024
Figure 5 – Site Utility Layout

Attachment A – Analytical Reports

cc: Brendan Mullen – RACER Trust
David Favero – RACER Trust
Kevin Schneider – Ramboll

TABLES

TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-1S 6/29/2020	OBG MW-1S 10/27/2020	OBG MW-2S 6/30/2020	OBG MW-2S 10/27/2020
Perflurobutanoic Acid (PFBA)	--	**32 U**	**13**	**31 U**	<10
Perfluoropentanoic Acid (PFPeA)	--	**7.7**	**9.9**	**7.6**	**7.3**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.1	<2.0	<2.0	<2.1
Perfluorohexanoic Acid (PFHxA)	**400,000**	**5.8**	**6.8**	**4.9**	**5.2**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**2.4**	**3.4**	<2.0	<2.1
Perfluoroheptanoic Acid (PFHpA)	--	<2.1	**2.3**	**1.8 J**	**2.0 J**
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.1	<2.0	<2.0	<2.1
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.1	<2.0	<2.0	<2.1
Perfluorooctanoic Acid (**PFOA**)	**8**	**3.9**	**3.6**	**2.3**	**2.2**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.1	<2.0	<2.0	<2.1
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.1	<2.0	<2.0	<2.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.1	<2.0	<2.0	<2.1
Perfluorononanoic Acid (PFNA)	**6**	<2.1	<2.0	<2.0	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.1	<2.0	<2.0	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.1	<2.0	<2.0	<2.1
Perfluorodecanoic Acid (PFDA)	--	<2.1	<2.0	<2.0	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.1	<2.0	<2.0	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.2	<4.1	<3.9	<4.1
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<2.1	<2.0	<2.0	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.1	<2.0	<2.0	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.1	<2.0	<2.0	<2.1
Perfluoroundecanoic Acid (PFUnDA)	--	<2.1	<2.0	<2.0	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	<2.1	<2.0	<2.0	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	<2.1	<2.0	<2.0	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.1	<2.0	<2.0	<2.1
Perfluorotridecanoic Acid (PFTrDA)	--	<2.1	<2.0	<2.0	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	<2.1	<2.0	<2.0	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.2	<4.1	<3.9	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.1	<2.0	<2.0	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.1	<2.0	<2.0	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.1	<2.0	<2.0	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<2.1	<2.0	<2.0	<2.1
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	--	**51.8**	**39.0**	**47.6**	**16.7**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
11) J - Estimated value less than reporting limit, but greater than MDL.
12) I - Matrix interference with internal standard.
13) X - Elevated reporting limit due to matrix interference.

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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-2D 10/27/2020	OBG MW-2D 4/21/2021	OBG MW-2D 11/8/2021	OBG MW-2D 4/28/2022	OBG MW-2D 10/24/2022	OBG MW-2D 4/26/2023	OBG MW-2D 4/29/2024
Perflurobutanoic Acid (PFBA)	--	<9.7	<10	<10	<10	<9.7	<10	<9.7
Perfluoropentanoic Acid (PFPeA)	--	<3.9	<4.0	<4.0	<4.1	<3.9	**2.6 J**	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorohexanoic Acid (PFHxA)	**400,000**	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluoroheptanoic Acid (PFHpA)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<1.9	<2.0	<4.0	<2.1	<1.9	<2.0	<1.9
Perfluorooctanoic Acid (**PFOA**)	**8**	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorononanoic Acid (PFNA)	**6**	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<1.9	<2.0	<4.0	<2.1	<1.9	<2.0	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorodecanoic Acid (PFDA)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<3.9	<4.0	<4.0	<4.1	<3.9	<4.0	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluoroundecanoic Acid (PFUnDA)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.9	<4.0	<4.0	<4.1	<3.9	<4.0	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<1.9	<2.0	<10	<4.1	<9.7	<2.0	<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)	**--**	--	--	--	--	--	<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**	**0.0**	**0.0**	**0.0**	**2.6**	**0.0**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
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5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
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10) 1 - Biased high due to matrix interference.
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RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-3 *6/30/2020*	OBG MW-3 *10/28/2020*	OBG MW-4S *11/2/2020*	OBG MW-4S *4/26/2021*	OBG MW-4S *11/9/2021*
Perflurobutanoic Acid (PFBA)	--	**33 U**	<10	<150 X	<10	<120 X
Perfluoropentanoic Acid (PFPeA)	--	**4.1**	**2.0 J**	<4.2	<4.2	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	**2.7**	<2.0	<2.1	<2.1	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**3.8**	**3.8**	<2.1	<2.1	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	**2.2**	<2.0	<2.1	<2.1	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<1.9	<2.0	<2.1	<2.1	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<1.9	<2.0	<2.1	<2.1	<4.0
Perfluorooctanoic Acid (**PFOA**)	**8**	**4.2**	**4.4**	**4.5**	**2.9**	**3.8**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<1.9	<2.0	<2.1	<2.1	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<1.9	<2.0	<2.1	<2.1	<4.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorodecanoic Acid (PFDA)	--	<1.9	<2.0	<2.1	<2.1	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<1.9	<2.0	<2.1	<2.1	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<3.9	<4.1	<4.2	<4.2	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<1.9	<2.0	**3.9**	**2.2**	**2.7**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.9	<4.1	<4.2	<4.2	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<1.9	<2.0	<2.1	<2.1	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<1.9	<2.0	<2.1	<2.1	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<1.9	<2.0	<2.1	<2.1	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<1.9	<2.0	<2.1	<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	--	**50.0**	**10.2**	**8.4**	**5.1**	**6.5**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
11) J - Estimated value less than reporting limit, but greater than MDL.
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13) X - Elevated reporting limit due to matrix interference.

TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-5S 7/1/2020	OBG MW-5S (DUP-1) 7/1/2020	OBG MW-5S 10/29/2020	OBG MW-5S (DUP-1) 10/29/2020	OBG MW-5S 4/23/2021	OBG MW-5S (DUP-042321) 4/23/2021	OBG MW-5S 11/8/2021	OBG MW-5S 4/29/2022
Perflurobutanoic Acid (PFBA)	--	<48 X	<38 X	<20 X	<19 X	<20 X	<22 X	<20 X	<40 X
Perfluoropentanoic Acid (PFPeA)	--	<3.8	<3.8	<4.0	<3.8	<4.0	<4.0	<4.1	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	<3.8 X	<3.8 X	**3.2**	**3.6**	<2.0	<2.0	<2.9 X	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<3.8 X	<3.8 X	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	<1.9	**1.8 J**	**1.7 J**	**1.6 J**	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	**8.5**	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	**8.7**	**9.8**	**11**	**11**	**9.1**	**9.4**	**9.3**	**9.7**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**3.2**	**3.0**	<2.0	<1.9	**2.0**	**2.1**	**2.7**	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**2.0**	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<4.1	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<3.8	<3.8	<4.0	<3.8	<4.0	<4.0	<4.1	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.8	<3.8	<4.0	<3.8	<4.0	<4.0	<4.1	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<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	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<1.9	<1.9	<2.0	<1.9	<9.9	<10	<10	<4.0
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	--	**11.9**	**14.6**	**15.9**	**16.2**	**11.1**	**11.5**	**20.5**	**9.7**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-5S (DUP-042922) 4/29/2022	OBG MW-5S 10/25/2022	OBG MW-5S 4/27/2023	OBG MW-5S (DUP-042723) 4/27/2023	OBG MW-5S 5/1/2024	OBG MW-5S (DUP-050124) 5/1/2024
Perflurobutanoic Acid (PFBA)	--	<30 X	<20 X	<68 X	<63 X	<9.8	<21 X
Perfluoropentanoic Acid (PFPeA)	--	<4.0	<4.0	<4.0	<3.9	<3.9	<4.5 X
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0 I	<2.0 I	<2.0 I	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	<2.0	<2.0	**7.1**	**7.6**	<3.1 X	<3.1 X
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<2.0	<2.0	<3.8 X	<2.0 X	<3.1 X	**2.5**
Perfluoroheptanoic Acid (PFHpA)	--	**2.0**	**1.7**	**2.4**	**1.5 J**	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	**4.0**	<2.0	<2.0	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	**9.4**	**9.9**	**6.9**	**7.0**	**6.4**	**7.7**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.0	**2.3**	**2.4**	**2.0**	**2.4**	**1.8 J**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	**2.3**	<2.0	**2.0**	**1.5 J**	**1.8 J**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.0	<4.0	<4.0	<3.9	<3.9	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<2.0	<4.0	<4.0	<3.9	<3.9	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<4.0	<10	<2.0	<2.0	<9.8	<9.8
3-Perfluoroheptyl propanoic acid (FHpPA(7:3 FTCA))	**--**	--	--	<4.0	<3.9	<9.8	<9.8
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	<4.0	<3.9	<9.8	<9.8
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	<4.0	<3.9	<9.8	<9.8
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	<2.0	<2.0	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	<2.0	<2.0	<2.0	<2.0
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	<2.0	<2.0	<2.0	<2.0
Total Per-and Polyfluoroalkyl Substances	--	**11.4**	**17.9**	**18.8**	**18.1**	**8.8**	**12.0**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
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9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-6S 6/30/2020	OBG MW-6S 10/28/2020	OBG MW-6D 10/28/2020	OBG MW-6D 4/22/2021	OBG MW-6D 11/8/2021	OBG MW-6D 4/27/2022	OBG MW-6D 10/24/2022	OBG MW-6D 4/26/2023	OBG MW-6D 4/30/2024
Perflurobutanoic Acid (PFBA)	--	**30 U**	<10	<10	<10	<9.5	<9.7	<9.6	<10	**2.9 J**
Perfluoropentanoic Acid (PFPeA)	--	**4.9**	**5.0**	**1.3 J**	**1.7 J**	**1.3 J**	<3.9	<3.8	**1.3 J**	**2.0 J**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorohexanoic Acid (PFHxA)	**400,000**	**5.6**	**4.5**	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**4.4**	**4.7**	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	**0.66 J**
Perfluoroheptanoic Acid (PFHpA)	--	**2.2**	**2.3**	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	**2.2**	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.0	<2.0	<2.0	<3.8	<1.9	<1.9	<2.1	<2.1
Perfluorooctanoic Acid (**PFOA**)	**8**	**8.8**	**4.3**	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.0	**1.8 J**	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorononanoic Acid (PFNA)	**6**	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.0	<2.0	<2.0	<3.8	<1.9	<1.9	<2.1	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.0	<4.0	<4.1	<4.0	<3.8	<3.9	<3.8	<4.2	<4.1
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.0	<4.0	<4.1	<4.0	<3.8	<3.9	<3.8	<4.2	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<2.0	<2.0	<2.0	<2.0	<9.5	<3.9	<9.6	<2.1	<10
3-Perfluoroheptyl propanoic acid (FHpPA(7:3 FTCA))	**--**	--	--	--	--	--	--	--	<4.2	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	--	<4.2	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	--	<4.2	<10
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	--	--	--	<2.1	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	--	<2.1	<2.1
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	--	<2.1	<2.1
Total Per-and Polyfluoroalkyl Substances	--	**55.9**	**24.8**	**1.3**	**1.7**	**1.3**	**0.0**	**0.0**	**1.3**	**5.6**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
11) J - Estimated value less than reporting limit, but greater than MDL.
12) I - Matrix interference with internal standard.
13) X - Elevated reporting limit due to matrix interference.

RAMBOLL

TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-7S 6/29/2020	OBG MW-7S 10/27/2020	OBG MW-7S 4/22/2021	OBG MW-7S 11/8/2021	OBG MW-7S 4/27/2022	OBG MW-7S 10/24/2022	OBG MW-7S 4/25/2023	OBG MW-7S 4/29/2024
Perflurobutanoic Acid (PFBA)	--	**33 U**	**<10**	<9.7	<10	<11	<9.6	<9.9	**8.5 J**
Perfluoropentanoic Acid (PFPeA)	--	<3.8	**1.3 J**	<3.9	<4.0	<4.2	**1.2 J**	<4.0	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	**1.4 J**	**1.7 J**	**1.5 J**	**2.3**	**1.9 J**	**2.3**	**2.1**	**2.5**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**1.5 J**	**1.7 J**	**1.7 J**	**1.9 J**	**1.6 J**	**2.3**	**1.8 J**	**2.6**
Perfluoroheptanoic Acid (PFHpA)	--	<1.9	**1.5 J**	**1.9 J**	<2.0	<2.1	<1.9	**1.6 J**	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<1.9	<2.0	<1.9	<4.0	<2.1	**7.3**	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	**19**	**25**	**19**	**20**	**19**	**20**	**14**	**13**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**3.7**	**4.7**	**3.7**	**3.9**	**3.4**	**5.4**	**3.4**	**4.2**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**2.8**	**3.1**	**2.8**	**2.9**	**2.4**	**4.0**	**2.1**	**3.0**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<1.9	<2.0	<1.9	<4.0	<2.1	<1.9	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	**1.2 J**
Perfluorodecanoic Acid (PFDA)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	**6.6**	**8.4**	**7.4**	**4.2**	<4.2	**6.7**	**8.7**	<6.0 X
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**54**	**60**	**37**	**37**	**32**	**36**	**32**	**36**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**26**	**29**	**18**	**17**	**14**	**16**	**16**	**16**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**27**	**29**	**19**	**20**	**17**	**19**	**15**	**19**
Perfluoroundecanoic Acid (PFUnDA)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.8	<4.1	<3.9	<4.0	<4.2	<3.8	<4.0	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<1.9	**2.2**	<9.7	<10	<4.2	<9.6	<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	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	<2.0	<2.0
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	**1.8 J**	**1.5 J**
Total Per-and Polyfluoroalkyl Substances	--	**119.2**	**106.5**	**72.2**	**69.3**	**57.9**	**81.2**	**65.4**	**69.5**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-7D 6/29/2020	OBG MW-7D 10/27/2020	OBG MW-7D 4/21/2021	OBG MW-7D 4/21/2021	OBG MW-7D 4/27/2022	OBG MW-7D 10/24/2022	OBG MW-7D 4/25/2023	OBG MW-7D 4/29/2024
Perflurobutanoic Acid (PFBA)	--	**28 U**	<11	<9.9	<9.8	<9.8	<9.9	<10	<10
Perfluoropentanoic Acid (PFPeA)	--	<3.9	<4.2	<3.9	<3.9	<3.9	<3.9	<4.1	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<1.9	<2.1	<2.0	<3.9	<2.0	<2.0	<2.1	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<1.9	<2.1	<2.0	<3.9	<2.0	<2.0	<2.1	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorodecanoic Acid (PFDA)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<3.9	<4.2	<3.9	<3.9	<3.9	<3.9	<4.1	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.9	<4.2	<3.9	<3.9	<3.9	<3.9	<4.1	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<1.9	<2.1	<2.0	<9.8	<3.9	<9.9	<2.1	<10
3-Perfluoroheptyl propanoic acid (FHpPA(7:3 FTCA))	**--**	--	--	--	--	--	--	<4.1	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	--	<4.1	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	--	<4.1	<10
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	--	--	<2.1	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	--	<2.1	<2.0
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	<2.1	<2.0
Total Per-and Polyfluoroalkyl Substances	--	**28.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
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RAMBOLL

TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-8 6/30/2020	OBG MW-8 10/29/2020	OBG MW-8 4/22/2021	OBG MW-8 11/8/2021	OBG MW-8 4/28/2022	OBG MW-8 4/26/2023	OBG MW-8 4/30/2024
Perflurobutanoic Acid (PFBA)	--	**25 U**	<10	<10	<9.8	<9.9	<10	**12**
Perfluoropentanoic Acid (PFPeA)	--	<4.1	<4.1	<4.0	<3.9	<4.0	<4.0	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	<2.1	<2.1	<2.0	**1.6 J**	**2.0**	<2.0	**2.4**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<2.1	**1.8 J**	**1.6 J**	**1.9 J**	**1.6 J**	**1.7 J**	**2.5**
Perfluoroheptanoic Acid (PFHpA)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.1	<2.1	<2.0	<3.9	<2.0	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	<2.1	**1.8 J**	**1.7 J**	<2.0	<2.0	<2.0	**2.0 J**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.1	<2.1	<2.0	<3.9	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.1	<4.1	<4.0	<3.9	<4.0	<4.0	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<4.1	<4.0	<3.9	<4.0	<4.0	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.1	<2.1	<2.0	<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	<2.1	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.1	<2.1	<2.0	<2.0	<2.0	<2.2	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<2.1	<2.1	<10	<9.8	<4.0	<2.3	<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	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	<2.0	<2.0
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	<2.0	<2.0
Total Per-and Polyfluoroalkyl Substances	--	**25.0**	**3.6**	**3.3**	**3.5**	**3.6**	**1.7**	**18.9**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
11) J - Estimated value less than reporting limit, but greater than MDL.
12) I - Matrix interference with internal standard.
13) X - Elevated reporting limit due to matrix interference.

RAMBOLL

TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-9 10/29/2020	OBG MW-9 4/22/2021	OBG MW-9 11/8/2021	OBG MW-9 4/28/2022	OBG MW-9 10/24/2022	OBG MW-9 4/26/2023	OBG MW-9 4/30/2024
Perflurobutanoic Acid (PFBA)	--	<10.0	<10.0	<10	<10	<9.4	<20 X	**7.3 J**
Perfluoropentanoic Acid (PFPeA)	--	<4.0	<4.0	<5.4 X	<4.1	<3.7	<3.9	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	<2.0	<2.0	**2.4**	<2.1	**1.5 J**	<2.0	<2.6 X
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**2.2**	**2.3**	**2.0 J**	**1.9 J**	**2.7**	**2.1**	**2.5**
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.0	**8.3**	<2.1	**4.0**	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	<2.0	<2.0	**2.6**	<2.1	**1.6 J**	**2.0**	**1.6 J**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.0	<4.2	<2.1	<1.9	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.0	<4.0	<4.2	<4.1	<3.7	<3.9	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.0	<4.0	<4.2	<4.1	<3.7	<3.9	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<2.0	<10.0	<10	<4.1	<9.4	<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)	**--**	--	--	--	--	--	<2.0	<2.0
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	<2.0	<2.0
Total Per-and Polyfluoroalkyl Substances	--	**2.2**	**2.3**	**15.3**	**1.9**	**9.8**	**4.1**	**11.4**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
11) J - Estimated value less than reporting limit, but greater than MDL.
12) I - Matrix interference with internal standard.
13) X - Elevated reporting limit due to matrix interference.

TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-10 7/2/2020	OBG MW-10 11/2/2020	OBG MW-10 4/26/2021	OBG MW-10 11/9/2021	OBG MW-10 4/29/2022	OBG MW-10 10/25/2022	OBG MW-10 4/27/2023	OBG MW-10 5/1/2024
Perflurobutanoic Acid (PFBA)	--	**26 U**	<49 X	<42 X	<19 X	<58	<100 JX	<51 X	<9.8
Perfluoropentanoic Acid (PFPeA)	--	<3.9	**1.4 J**	<4.2	**1.5 J**	<3.8	<3.9	<4.0	<6.0 X
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	<2.0	**1.6 J**	<2.6 X	**2.3**	<1.9	**2.5**	**2.5**	<3.5 X
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**1.4**	<2.0	**1.6 J**	**1.6 J**	<1.9	**2.3**	**1.9 J**	**2.0**
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	**1.7 J**	<2.1	<1.9	<1.9	**1.6 J**	<2.0	**1.3 J**
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.0	<2.1	<3.9	<1.9	**5.0**	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	**9.6**	**9.6**	**9.8**	**11**	**13**	**9.8**	**14**	**11**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.0	<2.1	<3.9	<1.9	<1.9	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	**5.6**	<4.9 X	**6.9**	**3.1 J**	<3.8	<3.9	**7.4**	**6.9**
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**16**	**17**	**14**	**11**	**14**	**13**	**16**	**13**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**7.2**	**7.0**	**6.5**	**4.9**	**5.8**	**6.3**	**7.1**	**5.2**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**8.5**	**8.8**	**7.1**	**5.4**	**7.6**	**7.0**	**8.3**	**6.7**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	**1.9 J**
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.9	<3.9	<4.2	<3.9	<3.8	<3.9	<4.0	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<2.0	<2.0	<10	<9.7	<3.8	<9.7	<2.0	<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)	**--**	--	--	--	--	--	--	<2.0	<2.0
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	--	<2.0	<2.0
Total Per-and Polyfluoroalkyl Substances	--	**58.6**	**31.3**	**32.3**	**30.5**	**27.0**	**34.2**	**41.8**	**36.1**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG MW-11 10/29/2020	OBG MW-11 4/22/2021	OBG MW-11 11/8/2021	OBG MW-11 4/27/2022	OBG MW-11 10/24/2022	OBG MW-11 4/26/2023	OBG MW-11 4/30/2024
Perflurobutanoic Acid (PFBA)	--	<20 X	<25 X	**15**	**33**	<9.6	<41 X	<10
Perfluoropentanoic Acid (PFPeA)	--	<4.0	<3.9	<3.9	<4.0	<3.8	<4.1	<4.1
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<1.9	<2.0 **I**	<2.0	<1.9 I	<2.1 I	<2.1
Perfluorohexanoic Acid (PFHxA)	**400,000**	**3.1**	<1.9	<2.0	**6.1**	<1.9	<2.1	<4.1 X
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<2.0	<1.9	**1.6 J**	<2.0	**1.8 J**	<2.1	**1.6 J**
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	**1.5 J**	<2.0	<2.0	**1.5 J**	<2.1	<2.1
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<1.9	<3.9	<2.0	<1.9	<2.1	<2.1
Perfluorooctanoic Acid (**PFOA**)	**8**	**1.9 J**	**3.8**	**2.9**	**3.3**	**4.1**	**2.1**	**2.6**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.0	<1.9	<2.0	<2.0	**1.8 J**	<2.1	<2.1
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<1.9	<2.0	<2.0	**1.8 J**	<2.1	<2.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
Perfluorononanoic Acid (PFNA)	**6**	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<1.9	<3.9	<2.0	<1.9	<2.1	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
Perfluorodecanoic Acid (PFDA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.0	<3.9	<3.9	<4.0	<3.8	<4.1	<4.1
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**6.5**	**3.3**	**3.8**	**3.5**	**4.5**	**3.6**	**2.8**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**4.8**	**2.3**	**2.6**	**2.5**	**3.4**	**2.4**	<2.1
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.0	<3.9	<3.9	<4.0	<3.8	<4.1	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<2.0	<1.9	<9.9	<4.0	<9.6	<2.1	<10
3-Perfluoroheptyl propanoic acid (FHpPA(7:3 FTCA))	**--**	--	--	--	--	--	<4.1	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	--	<4.1	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	--	<4.1	<10
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	--	<2.1	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	--	<2.1	<2.1
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	--	<2.1	<2.1
Total Per-and Polyfluoroalkyl Substances	--	**11.5**	**8.6**	**23.3**	**45.9**	**13.7**	**5.7**	**7.0**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
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5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
11) J - Estimated value less than reporting limit, but greater than MDL.
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13) X - Elevated reporting limit due to matrix interference.

TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	MW-401 11/2/2020	MW-401 4/27/2021	MW-401 11/9/2021	MW-401 4/29/2022	MW-401 10/26/2022
Perflurobutanoic Acid (PFBA)	--	<18 X	<10	**12**	<23 X	<10
Perfluoropentanoic Acid (PFPeA)	--	<4.1	<4.1	<4.0	<4.1	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	<2.0	**2.0 J**	<2.0	<2.1	**2.4**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.1	<2.0	<2.1	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.1	<4.0	<2.1	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	<2.0	<2.1	<2.0	<2.1	**1.9 J**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<2.0	<2.1	<2.0	<2.1	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.1	<4.0	<2.1	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.1	<2.0	<2.1	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.1	<2.0	<2.1	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.1	<4.1	<4.0	<4.1	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<4.1	<4.0	<4.1	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.1	<2.0	<2.1	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.1	<2.0	<2.1	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.1	<2.0	<2.1	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<2.0	<10	<10	<4.1	<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	--	**0.0**	**2.0**	**12.0**	**0.0**	**4.3**

Notes
1) Detections in **bold**.
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5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	MW-403 *11/2/2020*	MW-403 *4/23/2021*	MW-403 *11/9/2021*	MW-403 (DUP-110921) *11/9/2021*
Perflurobutanoic Acid (PFBA)	--	<16 X	<10	<9.8	<9.6
Perfluoropentanoic Acid (PFPeA)	--	<4.1	<4.2	<3.9	<3.8
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.1	<2.1	<2.0	<1.9
Perfluorohexanoic Acid (PFHxA)	**400,000**	**1.6 J**	<2.1	<2.0	<1.9
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<2.1	<2.1	**1.5 J**	**1.8 J**
Perfluoroheptanoic Acid (PFHpA)	--	**2.1**	**2.0 J**	<2.0	**1.3 J**
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.1	<2.1	<2.0	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.1	**240**	<3.9	<3.8
Perfluorooctanoic Acid (**PFOA**)	**8**	**25**	**19**	**14**	**15**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**3.6**	**2.2**	**3.9**	**3.7**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**3.5**	<2.1	**3.2**	**2.8**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.1	<2.1	<2.0	<1.9
Perfluorononanoic Acid (PFNA)	**6**	<2.1	**2.1**	<2.0	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.1	<2.1	<3.9	<3.8
Perfluoroheptane Sulfonic Acid (PFHpS)	--	**7.3**	**2.7**	**3.8**	**3.8**
Perfluorodecanoic Acid (PFDA)	--	<2.1	<2.1	<2.0	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.1	<2.1	**2.5**	**1.9**
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	**75**	**61**	**82**	**78**
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**960**	**450**	**550**	**580**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**710**	**350**	**430**	**460**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**250**	**100**	**120**	**120**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.1	<2.1	<2.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	<2.1	<2.1	<2.0	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	<2.1	<2.1	<2.0	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.1	<2.1	<2.0	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	<2.1	<2.1	<2.0	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	**32**	**33**	**59**	**60**
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<4.2	<3.9	<3.8
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.1	<2.1	<2.0	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.1	<2.1	<2.0	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.1	<2.1	<2.0	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<2.1	<10	<9.8	<9.6
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	--	**1106.6**	**812.0**	**716.7**	**745.5**

Notes
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6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	MW-403 4/29/2022	MW-403 TOPs Analysis 4/29/2022	MW-403 10/25/2022	MW-403 (DUP-102522) 10/25/2022	MW-403 4/27/2023	MW-403 4/30/2024
Perflurobutanoic Acid (PFBA)	--	<14 X	<120 X	<9.3	<9.9	<26 X	<13 X
Perfluoropentanoic Acid (PFPeA)	--	<4.1	<90 IX	**1.3 J**	**0.99 J**	<4.0	<3.8
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.1	<30 I	<1.9	<2.0	<2.0	<1.9
Perfluorohexanoic Acid (PFHxA)	**400,000**	<2.1	**31**	<1.9	**1.4 J**	**1.4 J**	<1.9
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<2.1	<30	**1.4 J**	**1.9 J**	**1.8 J**	**1.7 J**
Perfluoroheptanoic Acid (PFHpA)	--	<2.1	<30	**2.3**	**2.1**	**1.9 J**	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.1	<30 I	<1.9	<2.0	<2.0	<1.9
Perfluorooctanoic Acid (**PFOA**)	**8**	**11**	<30	**9.3**	**11**	**12**	**11**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**1.7 J**	<30	**4.0**	**4.7**	**3.8**	**1.8 J**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.1	<30	**3.3**	**3.9**	**2.7**	**1.8 J**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
Perfluorononanoic Acid (PFNA)	**6**	<2.1	<30	<1.9	<2.0	<2.0	**1.6 J**
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.1	<30 I	<1.9	<2.0	<2.0	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	**2.7**	<30	<1.9	**2.1**	**2.5**	**2.1**
Perfluorodecanoic Acid (PFDA)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.1	<30	<1.9	<2.0	<2.0	**0.99 J**
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	**54**	<30 I	**45**	**43**	**81**	**95**
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**370**	**260**	**310**	**330**	**400**	**520**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**280**	**180**	**230**	**250**	**300**	**390**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**87**	**66**	**76**	**66**	**93**	**120**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	**33**	<30 I	**24**	**23**	**42**	**83**
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<30	<3.7	<3.9	<4.0	<3.8
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.1	<30	<1.9	<2.0	<2.0	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<4.1	<30	<9.3	<9.9	<2.0	<9.5
3-Perfluoroheptyl propanoic acid (FHpPA(7:3 FTCA))	**--**	--	--	--	--	<4.0	<9.5
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	<4.0	<9.5
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	<4.0	<9.5
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	<2.0	<1.9
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	**3.5**	**4.7**
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	**2.2**	**2.4**
Total Per-and Polyfluoroalkyl Substances	--	**472.4**	**291.0**	**397.3**	**420.2**	**552.1**	**724.3**

Notes
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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG OS MW-3 *4/23/2021*	OBG OS MW-3 *11/9/2021*	OBG OS MW-3 *4/28/2022*	OBG OS MW-3 *10/25/2022*
Perflurobutanoic Acid (PFBA)	--	<24 X	<20 X	<38 X	<9.5
Perfluoropentanoic Acid (PFPeA)	--	<3.9	<4.4 X	<3.8	<3.8
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<1.9	<1.9
Perfluorohexanoic Acid (PFHxA)	**400,000**	**3.6**	**2.4**	<1.9	**2.9**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	**2.2**	**1.8 J**	<1.9	**1.8 J**
Perfluoroheptanoic Acid (PFHpA)	--	**2.4**	**2.2**	**1.4 J**	**2.2**
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	<1.9	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<4.0	<1.9	<1.9
Perfluorooctanoic Acid (**PFOA**)	**8**	**10**	**11**	**9.5**	**16**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	**1.7 J**	<2.0	<1.9	**4.0**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<2.0	<1.9	**2.8**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<1.9	<1.9
Perfluorononanoic Acid (PFNA)	**6**	<2.0	<2.0	<1.9	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<4.0	<1.9	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<1.9	<1.9
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<1.9	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<1.9	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	**13**	**23**	**17**	**5.7**
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**36**	**34**	**30**	**31**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**25**	**25**	**20**	**19**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**9.2**	**8.1**	**9.0**	**11**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<1.9	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<1.9	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<1.9	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<1.9	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<1.9	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	**5.4**	**8.2**	**9.0**	**2.7**
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.9	<4.0	<3.8	<3.8
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<1.9	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<1.9	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<1.9	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<9.9	<10	<3.8	<9.5
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	--	**74.3**	**82.6**	**66.9**	**66.3**

Notes
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6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG OS MW-4 *4/23/2021*	OBG OS MW-4 *11/9/2021*	OBG OS MW-4 *4/28/2022*	OBG OS MW-4 *10/25/2022*
Perflurobutanoic Acid (PFBA)	--	<26 X	<21 X	<50 X	<10
Perfluoropentanoic Acid (PFPeA)	--	<4.0	<4.1	<4.0	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.1 I	<2.0 I	<2.0 I
Perfluorohexanoic Acid (PFHxA)	**400,000**	<2.0	<2.1	<2.0	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<2.0	<2.1	<2.0	**6.2 1**
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	<2.1	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.1	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<4.1	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	**2.6**	**2.4**	**2.8**	**5.9**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.0	<2.1	<2.1	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<2.1	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.1	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<2.0	<2.1	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<4.1	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.1	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.1	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.1	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	**6.3**	**6.4**	**6.0**	**9.5**
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	**3.6**	**2.7**	**4.9**	**4.6**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<2.1	**2.2**	**2.0 J**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.0	<2.1	**2.3**	**2.5**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.1	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.1	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.1	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.1	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.1	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.1	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.0	<4.1	<4.0	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.1	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.1	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.1	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<10	<10	<4.0	<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	--	**12.5**	**11.5**	**13.7**	**26.2**

Notes
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9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	OBG OS MW-5 *4/23/2021*	OBG OS MW-5 *11/9/2021*	OBG OS MW-5 *4/28/2022*	OBG OS MW-5 *10/25/2022*
Perflurobutanoic Acid (PFBA)	--	<21 X	<21 X	<39 X	<9.8
Perfluoropentanoic Acid (PFPeA)	--	**3.6 J**	<5.4 X	<3.9	<5 X
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.1	<2.1 I	<1.9	<2.0 I
Perfluorohexanoic Acid (PFHxA)	**400,000**	**3.4**	**3.5**	<1.9	**5.4**
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<2.1	<2.1	<1.9	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	**1.8 J**	**1.5 J**	<1.9	**1.8 J**
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.1	<2.1	<1.9	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.1	<4.1	<1.9	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	**2.8**	**2.2**	**2.8**	**2.7**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.1	<2.1	<1.9	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.1	<2.1	<1.9	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.1	<2.1	<1.9	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<2.1	<2.1	<1.9	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.1	<4.1	<1.9	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.1	<2.1	<1.9	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.1	<2.1	<1.9	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.1	<2.1	<1.9	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.1	<4.1	<3.9	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<2.1	<2.1	<1.9	**2.1**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.1	<2.1	<1.9	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.1	<2.1	<1.9	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	<2.1	<2.1	<1.9	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.1	<2.1	<1.9	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.1	<2.1	<1.9	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.1	<2.1	<1.9	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.1	<2.1	<1.9	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.1	<2.1	<1.9	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<4.1	<3.9	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.1	<2.1	<1.9	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.1	<2.1	<1.9	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.1	<2.1	<1.9	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<10	<10	<3.9	<9.8
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	--	**11.6**	**7.2**	**2.8**	**12.0**

Notes
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TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	Field Blank-062920 6/29/2020	Field Blank-070120 7/1/2020	Field Blank-070220 7/2/2020	Field Blank-102720 10/27/2020
Perflurobutanoic Acid (PFBA)	--	**21**	**35**	**16**	<10.0
Perfluoropentanoic Acid (PFPeA)	--	<4.0	<3.9	<4.0	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<1.9	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	**400,000**	<2.0	<1.9	<2.0	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<2.0	<1.9	<2.0	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	<1.9	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<1.9	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<1.9	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**8**	<2.0	<1.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.0	<1.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<1.9	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<1.9	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**6**	<2.0	<1.9	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<1.9	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<1.9	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<1.9	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<1.9	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.0	<3.9	<4.0	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<2.0	<1.9	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<1.9	<2.0	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.0	<1.9	<2.0	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<1.9	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<1.9	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<1.9	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<1.9	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<1.9	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<1.9	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.0	<3.9	<4.0	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<1.9	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<1.9	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<1.9	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<2.0	<1.9	<2.0	<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	--	**21.0**	**35.0**	**16.0**	**0.0**

Notes
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RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	Field Blank-102920 *10/29/2020*	Field Blank-110220 *11/2/2020*	Field Blank-042121 *4/21/2021*	Field Blank-042221 *4/22/2021*	Field Blank-042321 *4/23/2021*	Field Blank-042721 *4/27/2021*
Perflurobutanoic Acid (PFBA)	--	<9.7	<10	<9.8	<9.9	<11	<11
Perfluoropentanoic Acid (PFPeA)	--	<3.9	<4.1	<3.9	<4.0	<4.2	<4.2
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorohexanoic Acid (PFHxA)	**400,000**	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluoroheptanoic Acid (PFHpA)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluoropentane Sulfonic Acid (PFPeS)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	**2.8**	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorooctanoic Acid (**PFOA**)	**8**	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorononanoic Acid (PFNA)	**6**	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorodecanoic Acid (PFDA)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<3.9	<4.1	<3.9	<4.0	<4.2	<4.2
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluoroundecanoic Acid (PFUnDA)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorotridecanoic Acid (PFTrDA)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.9	<4.1	<3.9	<4.0	<4.2	<4.2
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<1.9	<2.0	<2.0	<2.0	<2.1	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<1.9	<2.0	<2.0	<9.9	<11	<11
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	--	**2.8**	**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) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
11) J - Estimated value less than reporting limit, but greater than MDL.
12) I - Matrix interference with internal standard.
13) X - Elevated reporting limit due to matrix interference.

TABLE 1
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - June 2020 - May 2024

Hemphill Road Industrial Land - PFAS Groundwater Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels - Drinking Water	Field Blank-0110821 *11/8/2021*	Field Blank-042822 *4/28/2022*	Field Blank-042922 *4/29/2022*	Field Blank-102422 *10/24/2022*	Field Blank-042623 *4/26/2023*	Field Blank-050124 *5/1/2024*
Perflurobutanoic Acid (PFBA)	--	<10	<10	<10	<10	<10	<11
Perfluoropentanoic Acid (PFPeA)	--	<4.1	<4.1	<4.1	<4.1	<4.0	<4.2
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorohexanoic Acid (PFHxA)	**400,000**	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorobutane Sulfonic Acid (PFBS)	**420**	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<4.1	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorooctanoic Acid (**PFOA**)	**8**	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorohexane Sulfonic Acid (PFHxS)	**51**	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorononanoic Acid (PFNA)	**6**	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<4.1	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.1	<4.1	<4.1	<4.1	<4.0	<4.2
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<4.1	<4.1	<4.1	<4.0	<4.2
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	**370**	<10	<4.1	<4.1	<10	<2.0	<11
3-Perfluoroheptyl propanoic acid (FHpPA(7:3 FTCA))	**--**	--	--	--	--	<4.0	<11
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	**--**	--	--	--	--	<4.0	<11
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	**--**	--	--	--	--	<4.0	<11
Perfluorobutanesulfonamide (PFBSA)	**--**	--	--	--	--	<2.0	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	**--**	--	--	--	--	<2.0	<2.1
Perfluorohexanesulfonamide (PFHxSA)	**--**	--	--	--	--	<2.0	<2.1
Total Per-and Polyfluoroalkyl Substances	--	**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) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023
7) Concentration above the drinking water criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
10) 1 - Biased high due to matrix interference.
11) J - Estimated value less than reporting limit, but greater than MDL.
12) I - Matrix interference with internal standard.
13) X - Elevated reporting limit due to matrix interference.

TABLE 2
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - November 2020 - April 2021

Hemphill Road Industrial Land - PFAS LNAPL Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	OBG MW-4S 11/2/2020	OBG MW-4S 4/26/2021	MW-401 11/2/2020	MW-401 4/27/2021	Field Blank-110220 11/2/2020	Field Blank-042721 4/27/2021
Perfluorobutanoic Acid (PFBA)	<650	<630 1	<920	<970 1	<10	<11
Perfluoropentanoic Acid (PFPeA)	<330	<320 1	<460	<480 1	<4.1	<4.2
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorohexanoic Acid (PFHxA)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorobutane Sulfonic Acid (PFBS)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluoroheptanoic Acid (PFHpA)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluoropentane Sulfonic Acid (PFPeS)	<330	<320 1	<460	<480 1	<2.0	<2.1
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorooctanoic Acid (**PFOA**)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorohexane Sulfonic Acid (PFHxS)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorononanoic Acid (PFNA)	<330	<320 1	<460	<480 1	<2.0	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorodecanoic Acid (PFDA)	<330	<320 1	<460	<480 1	<2.0	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	<330	<320 1	<460	<480 1	<2.0	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	<330	<320 1	**520**	<480 1	<4.1	<4.2
Perfluorooctane Sulfonic Acid (**PFOS**)	<330	<320 1	**320 J**	**99 J1**	<2.0	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	<330	<320 1	**150 J**	<480 1	<2.0	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	<330	<320 1	**130 J**	<480 1	<2.0	<2.1
Perfluoroundecanoic Acid (PFUnDA)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorononane Sulfonic Acid (PFNS)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorododecanoic Acid (PFDoDA)	<330	<320 1	<460 I	<480 1	<2.0	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorotridecanoic Acid (PFTrDA)	<330	<320 1	<460 I	<480 1	<2.0	<2.1
Perfluorooctane Sulfonamide (FOSA)	<330	<320 1	<460	<480 1	<2.0	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	<330	<320 1	<460	<480 1	<4.1	<4.2
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<330	<320 1	<460	<480 1	<2.0	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	<330	<320 1	<460	<480 1	<2.0	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	<330	<320 1	<460	<480 1	<2.0	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	<330	<320 1	<460	<480 1	<2.0	<11
Total Per-and Polyfluoroalkyl Substances	**0.0**	**0.0**	**840.0**	**99.0**	**0.0**	**0.0**

Notes
1) Detections in **bold**.
2) Concentrations in ng/kg. Field blank concentration in ng/L
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) Light gray header is most recent sampling event result.
7) J - Estimated value less than reporting limit, but greater than MDL.
8) I - Matrix interference with internal standard.
9) 1 - Bottle overfilled, subsample poured off to analyze.

TABLE 3
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - November 2020 - May 2024

Hemphill Road Industrial Land - PFAS Sanitary Sewer Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	Sanitary Sewer Southeast of Site 11/2/2020	Sanitary Sewer Southeast of Site 4/26/2021	Sanitary Sewer Southeast of Site 11/9/2021	Sanitary Sewer Southeast of Site 4/28/2022	Sanitary Sewer Southeast of Site 10/26/2022	**Sanitary Sewer Southeast of Site 4/27/2023**
Perfluorobutanoic Acid (PFBA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluoropentanoic Acid (PFPeA)	--	DRY	DRY	DRY	DRY	DRY	DRY
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorohexanoic Acid (PFHxA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	DRY	DRY	DRY	DRY	DRY	DRY
Perfluoroheptanoic Acid (PFHpA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluoropentane Sulfonic Acid (PFPeS)	--	DRY	DRY	DRY	DRY	DRY	DRY
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorooctanoic Acid (**PFOA**)	**170**	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorononanoic Acid (PFNA)	**30**	DRY	DRY	DRY	DRY	DRY	DRY
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluoroheptane Sulfonic Acid (PFHpS)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorodecanoic Acid (PFDA)	--	DRY	DRY	DRY	DRY	DRY	DRY
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	DRY	DRY	DRY	DRY	DRY	DRY
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluoroundecanoic Acid (PFUnDA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorononane Sulfonic Acid (PFNS)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorododecanoic Acid (PFDoDA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorodecane Sulfonic Acid (PFDS)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorotridecanoic Acid (PFTrDA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorooctane Sulfonamide (FOSA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorotetradecanoic Acid (PFTeDA)	--	DRY	DRY	DRY	DRY	DRY	DRY
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	DRY	DRY	DRY	DRY	DRY	DRY
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	DRY	DRY	DRY	DRY	DRY	DRY
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Hexafluoropropylene oxide dimer (HFPO-DA)	--	DRY	DRY	DRY	DRY	DRY	DRY
3-Perfluoroheptyl propanoic acid (FHpPA(7:3 FTCA))	--	DRY	DRY	DRY	DRY	DRY	DRY
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	DRY	DRY	DRY	DRY	DRY	DRY
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorobutanesulfonamide (PFBSA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	DRY	DRY	DRY	DRY	DRY	DRY
Perfluorohexanesulfonamide (PFHxSA)	--	DRY	DRY	DRY	DRY	DRY	DRY
Total Per-and Polyfluoroalkyl Substances	--						

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) Light gray header is most recent sampling event result.
9) I - Matrix interference with internal standard.
10) J - Estimated value less than reporting limit, but greater than MDL.
11) X - Elevated reporting limit due to matrix interference.

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TABLE 3
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - November 2020 - May 2024

Hemphill Road Industrial Land - PFAS Sanitary Sewer Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	SAN-01 (Sanitary Sewer Sample) 11/2/2020	SAN-01 (Sanitary Sewer Sample) 4/26/2021	SAN-02 (Sanitary Sewer Sample) 4/26/2021	SAN-02 (Sanitary Sewer Sample) 11/9/2021	SAN-02 (Sanitary Sewer Sample) 4/28/2022	SAN-02 (Sanitary Sewer Sample) 10/26/2022	SAN-02 (Sanitary Sewer Sample) 4/27/2023	SAN-02 (Sanitary Sewer Sample) 5/1/2024
Perfluorobutanoic Acid (PFBA)	--	<10	<10	<10	<10	<10	<9.9	<10	<9.5
Perfluoropentanoic Acid (PFPeA)	--	**3.8 J**	**3.8 J**	**4.0 J**	**3.4 J**	**3.8 J**	**4.8**	**2.5 J**	**2.8 J**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0 I	<2.0 I	<1.9
Perfluorohexanoic Acid (PFHxA)	--	**3.1**	**4.8**	**2.7**	**3.3**	**3.5**	**5.6**	**2.5**	**4.8**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**6.0**	**3.8**	**4.1**	**6.6**	**6.6**	**2.6**	**4.8**	**5.3**
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	**1.7 J**	<2.1	<2.0	<2.0	<2.0	**1.4 J**	**1.1 J**
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.0	<2.1 I	<3.9 I	<2.0	<2.0 I	<2.0	<1.9
Perfluorooctanoic Acid (**PFOA**)	**170**	**2.6**	**2.8**	**2.9**	**4.1**	**3.7**	**2.0**	**3.0**	**3.4**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**2.5**	**3.8**	**2.1**	**3.1**	**3.0**	**2.2**	**3.8**	**3.0**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**1.7 J**	**1.8 J**	<2.1	**1.8**	<2.0	<2.0	**1.9 J**	**1.9**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.0	<2.1	<3.9	<2.0	<2.0 I	<2.0	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.0	<4.1 I	<4.1	<3.9	<4.0	<3.9	<4.0	<3.8
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**9.9**	**8.4**	**8.9**	**8.6**	**8.3**	**2.1**	**6.0**	**8.2**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<2.0	<2.1	**2.9**	**2.2**	**2.1**	**2.5**	**1.2 J**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**7.0**	**6.4**	**6.6**	**5.5**	**6.0**	<2.0	**3.6**	**6.2**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.1	<2.0	<2.0	**2.8**	<2.0	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.0	<4.1	<4.1	<3.9	<4.0	<3.9	<4.0	<3.8
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<2.0	<10	<10	<9.8	<4.0	<9.9	<2.0	<9.5
3-Perfluoroheptyl propanoic acid (FHpPA(7:3 FTCA))	--	--	--	--	--	--	--	<4.0	<9.5
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	<4.0	<9.5
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	<4.0	<9.5
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	--	**27.9**	**29.1**	**24.7**	**29.1**	**28.9**	**22.1**	**24.0**	**28.6**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow
8) Light gray header is most recent sampling event result.
9) I - Matrix interference with internal standard.
10) J - Estimated value less than reporting limit, but greater than MDL.
11) X - Elevated reporting limit due to matrix interference.

TABLE 3
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - November 2020 - May 2024

Hemphill Road Industrial Land - PFAS Sanitary Sewer Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	SAN-03 (Sanitary Sewer Sample) 4/29/2022	SAN-03 (Sanitary Sewer Sample) 10/26/2022	SAN-03 (Sanitary Sewer Sample) 4/27/2023	SAN-03 (Sanitary Sewer Sample) 5/1/2024
Perfluorobutanoic Acid (PFBA)	--	<50 IX	<9.6	<10	<10
Perfluoropentanoic Acid (PFPeA)	--	<4.0	<3.8	<4.1	**1.9 J**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0 I	<1.9 I	<2.1 I	<2.0 I
Perfluorohexanoic Acid (PFHxA)	--	<2.0	<1.9	**1.9 J**	**3.3**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	<2.0	<1.9	<2.1	<2.0
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	<1.9	<2.1	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<1.9	<2.1	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0 I	<1.9 I	<2.1 I	<2.0 I
Perfluorooctanoic Acid (**PFOA**)	**170**	**2.0**	<1.9	<2.1	**1.7 J**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	<2.0	<1.9	<2.1	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<1.9	<2.1	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<1.9	<2.1	<2.0
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<1.9	<2.1	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0 I	<1.9 I	<2.1 I	<2.0 I
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<1.9	<2.1	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0 I	<1.9	<2.1	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<1.9	<2.1	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.0 I	<3.8	<4.1	<4.0 I
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	<2.0	<1.9	<2.1	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<1.9	<2.1	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.0	<1.9	<2.1	<2.0
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0 I	<1.9 I	<2.1	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<1.9	<2.1	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0 I	<1.9 I	<2.1	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<1.9	<2.1	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0 I	<1.9 I	<2.1	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<1.9	<2.1	<2.0 I
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.0	<3.8	<4.1	**1.2 J**
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<1.9	<2.1	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<1.9	<2.1	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<1.9	<2.1	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<4.0	<9.6	<2.1	<10
3-Perfluoroheptyl propanoic acid (FHpPA(7:3 FTCA))	--	--	--	<4.1	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	<4.1	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	<4.1	<10
Perfluorobutanesulfonamide (PFBSA)	--	--	--	<2.1	<2.0 I
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	<2.1	<2.0
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	<2.1	<2.0 I
Total Per-and Polyfluoroalkyl Substances	--	**2.0**	**0.0**	**1.9**	**8.1**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yello
8) Light gray header is most recent sampling event result.
9) I - Matrix interference with internal standard.
10) J - Estimated value less than reporting limit, but greater than MDL.
11) X - Elevated reporting limit due to matrix interference.

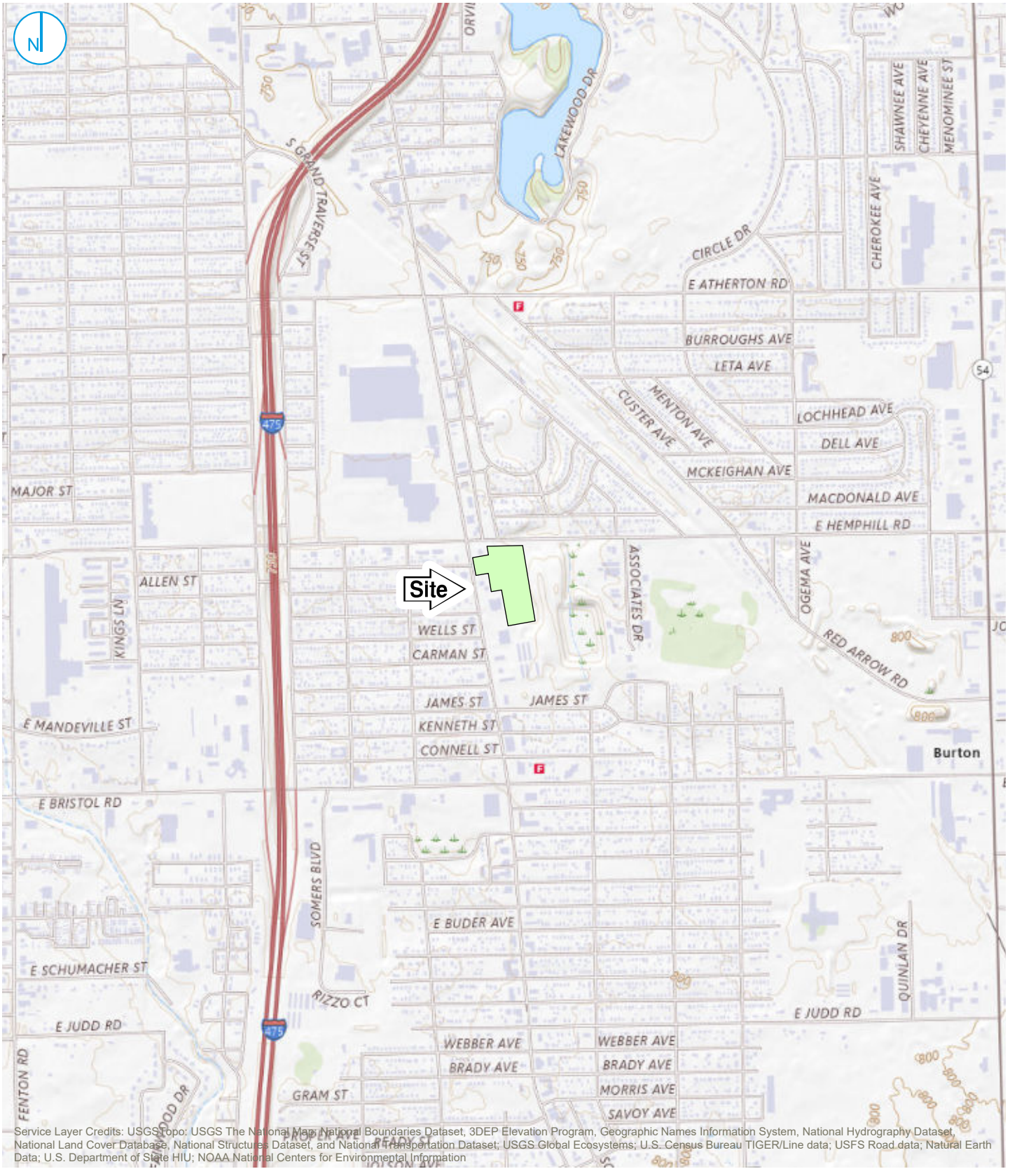
TABLE 3
RACER Trust - Hemphill Road Industrial Land
Per-and Polyfluoroalkyl Substances Sampling Results - November 2020 - May 2024

Hemphill Road Industrial Land - PFAS Sanitary Sewer Sample Results

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	Field Blank-110220 *11/2/2020*	Field Blank-042721 *4/27/2021*	Field Blank-0110821 *11/8/2021*	Field Blank-042822 *4/28/2022*	Field Blank-042922 *4/29/2022*	Field Blank-042623 *4/26/2023*	**Field Blank-050124** *5/1/2024*
Perfluorobutanoic Acid (PFBA)	--	<10	<11	<10	<10	<10	<10	<11
Perfluoropentanoic Acid (PFPeA)	--	<4.1	<4.2	<4.1	<4.1	<4.1	<4.0	<4.2
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorohexanoic Acid (PFHxA)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.1	<4.1	<2.0	<2.1	<2.0	<2.1
Perfluorooctanoic Acid (**PFOA**)	**170**	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.1	<4.1	<2.0	<2.1	<2.0	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.1	<4.2	<4.1	<4.1	<4.1	<4.0	<4.2
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<4.2	<4.1	<4.1	<4.1	<4.0	<4.2
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.1	<2.0	<2.0	<2.1	<2.0	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<2.0	<11	<10	<4.1	<4.1	<2.0	<11
3-Perfluoroheptyl propanoic acid (FHpPA(7:3 FTCA))	--	--	--	--	--	--	<4.0	<11
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	<4.0	<11
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	<4.0	<11
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	<2.0	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	<2.0	<2.1
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	<2.0	<2.1
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) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow
8) Light gray header is most recent sampling event result.
9) I - Matrix interference with internal standard.
10) J - Estimated value less than reporting limit, but greater than MDL.
11) X - Elevated reporting limit due to matrix interference.

FIGURES



I:\Racer-Trust.1088190\GIS\Hemphill Road\Pro\2024_PFAS_TechMemo\001 - Figure 1 - Site Location Map

PROJECT: 1940107193 | DATED: 6/10/2024 | DESIGNER: MONETANT

Map Scale: 1:24,000 | Map Center: 83°40'22"W 42°58'49"N

HEMPHILL ROAD INDUSTRIAL LAND

KEY MAP (not to scale)

0 1,000 2,000 Feet

SITE LOCATION

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

FIGURE 01

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

I:\Racer-Trust.1088190\GIS\Hemphill Road\Pro\2024_PFAS_TechMemo\002 - Figure 2 - Well Locations

PROJECT: 1940107193 | DATED: 6/11/2024 | DESIGNER: MONETANT

Notes:
1) Monitoring Wells OBG MW-8, OBG MW-9, OBG MW-10, and OBG MW-11 were installed on 6/9/2016.
2) This document was developed in color. Reproduction in B/W may not represent the data as intended.
3) Background image provided by ESRI.

Service Layer Credits: World_Imagery, Esri, Maxar, Earthstar Geographics, and the GIS User Community

MONITORING WELL LOCATION
(SCREENED IN NATIVE SOIL)

MONITORING WELL LOCATION
(SCREENED IN FILL)

FENCE LINE

HEMPHILL ROAD INDUSTRIAL LAND

0 50 100 Feet

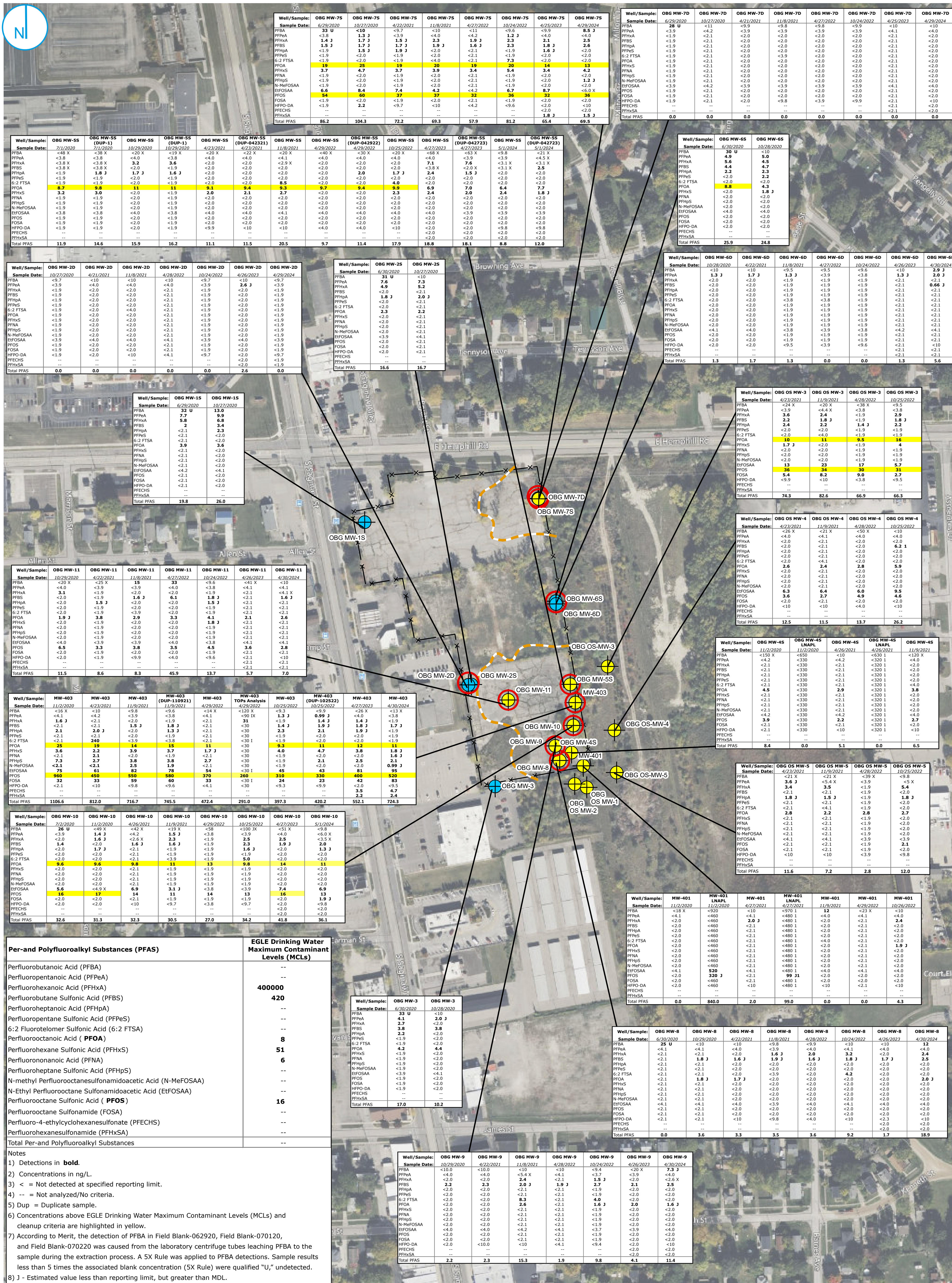
MONITORING WELL LOCATIIONS

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

FIGURE 02

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



Well/Sample:	OBG MW-7S	OBG MW-7S	OBG MW-7S	OBG MW-7S	OBG MW-7S	OBG MW-7S	OBG MW-7S	OBG MW-7S
Sample Date:	6/29/2020	10/27/2020	4/22/2021	11/8/2021	4/27/2022	10/24/2022	4/25/2023	4/29/2024
PFBA	**33 U**	**<10**	<9.7	<10	<11	<9.6	<9.9	**8.5 J**
PFPeA	<3.8	**1.3 J**	<3.9	<4.0	<4.2	**1.2 J**	<4.0	<4.0
PFHxA	**1.4 J**	**1.7 J**	**1.5 J**	**2.3**	**1.9 J**	**2.3**	**2.1**	**2.5**
PFBS	**1.5 J**	**1.7 J**	**1.7 J**	**1.9 J**	**1.6 J**	**2.3**	**1.8 J**	**2.6**
PFHpA	<1.9	**1.5 J**	**1.9 J**	<2.0	<2.1	<1.9	**1.6 J**	<2.0
PFPeS	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
6:2 FTSA	<1.9	<2.0	<1.9	<4.0	<2.1	**7.3**	<2.0	<2.0
PFOA	**19**	**25**	**19**	**20**	**19**	**20**	**14**	**13**
PFHxS	**3.7**	**4.7**	**3.7**	**3.9**	**3.4**	**5.4**	**3.4**	**4.2**
PFNA	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
PFHpS	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	**1.2 J**
N-MeFOSAA	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
EtFOSAA	**6.6**	**8.4**	**7.4**	**4.2**	<4.2	**6.7**	**8.7**	<6.0 X
PFOS	**54**	**60**	**37**	**37**	**32**	**36**	**32**	**36**
FOSA	<1.9	<2.0	<1.9	<2.0	<2.1	<1.9	<2.0	<2.0
HFPO-DA	<1.9	**2.2**	<9.7	<10	<4.2	<9.6	<2.0	<10
PFECHS	--	--	--	--	--	--	<2.0	<2.0
PFHxSA	--	--	--	--	--	--	**1.8 J**	**1.5 J**
Total PFAS	86.2	104.3	72.2	69.3	57.9	81.2	65.4	69.5

Well/Sample:	OBG MW-7D	OBG MW-7D	OBG MW-7D	OBG MW-7D	OBG MW-7D	OBG MW-7D	OBG MW-7D	OBG MW-7D
Sample Date:	6/29/2020	10/27/2020	4/21/2021	11/8/2021	4/27/2022	10/24/2022	4/25/2023	4/29/2024
PFBA	**28 U**	<11	<9.9	<9.8	<9.8	<9.9	<10	<10
PFPeA	<3.9	<4.2	<3.9	<3.9	<3.9	<3.9	<4.1	<4.0
PFHxA	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
PFBS	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
PFHpA	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
PFPeS	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
6:2 FTSA	<1.9	<2.1	<2.0	<3.9	<2.0	<2.0	<2.1	<2.0
PFOA	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
PFHxS	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
PFNA	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
PFHpS	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
N-MeFOSAA	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
EtFOSAA	<3.9	<4.2	<3.9	<3.9	<3.9	<3.9	<4.1	<4.0
PFOS	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
FOSA	<1.9	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0
HFPO-DA	<1.9	<2.1	<2.0	<9.8	<3.9	<9.9	<2.1	<10
PFECHS	--	--	--	--	--	--	<2.1	<2.0
PFHxSA	--	--	--	--	--	--	<2.1	<2.0
Total PFAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Well/Sample:	OBG MW-5S	OBG MW-5S (DUP-1)	OBG MW-5S	OBG MW-5S (DUP-1)	OBG MW-5S	OBG MW-5S (DUP-042321)	OBG MW-5S	OBG MW-5S	OBG MW-5S (DUP-042922)	OBG MW-5S	OBG MW-5S	OBG MW-5S (DUP-042723)	OBG MW-5S	OBG MW-5S (DUP-042723)
Sample Date:	7/1/2020	7/1/2020	10/29/2020	10/29/2020	4/23/2021	4/23/2021	11/8/2021	4/29/2022	4/29/2022	10/25/2022	4/27/2023	4/27/2023	5/1/2024	5/1/2024
PFBA	<48 X	<38 X	<20 X	<19 X	<20 X	<22 X	<20 X	<40 X	<30 X	<20 X	<68 X	<63 X	<9.8	<21 X
PFPeA	<3.8	<3.8	<4.0	<3.8	<4.0	<4.0	<4.1	<4.0	<4.0	<4.0	<4.0	<3.9	<3.9	<4.5 X
PFHxA	<3.8 X	<3.8 X	**3.2**	**3.6**	<2.0	<2.0	<2.9 X	<2.0	<2.0	<2.0	**7.1**	**7.6**	<3.1 X	<3.1 X
PFBS	<3.8 X	<3.8 X	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.8 X	<2.0 X	<3.1 X	**2.5**
PFHpA	<1.9	**1.8 J**	**1.7 J**	**1.6 J**	<2.0	<2.0	<2.0	<2.0	**2.0**	**1.7 J**	**2.4**	**1.5 J**	<2.0	<2.0
PFPeS	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
6:2 FTSA	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	**8.5**	<2.0	<2.0	**4.0**	<2.0	<2.0	<2.0	<2.0
PFOA	**8.7**	**9.8**	**11**	**11**	**9.1**	**9.4**	**9.3**	**9.7**	**9.4**	**9.9**	**6.9**	**7.0**	**6.4**	**7.7**
PFHxS	**3.2**	**3.0**	<2.0	<1.9	**2.0**	**2.1**	**2.7**	<2.0	<2.0	**2.3**	**2.4**	**2.0**	**2.4**	**1.8 J**
PFNA	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFHpS	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
EtFOSAA	<3.8	<3.8	<4.0	<3.8	<4.0	<4.0	<4.1	<4.0	<4.0	<4.0	<4.0	<3.9	<3.9	<3.9
PFOS	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
FOSA	<1.9	<1.9	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
HFPO-DA	<1.9	<1.9	<2.0	<1.9	<9.9	<10	<10	<4.0	<4.0	<10	<2.0	<2.0	<9.8	<9.8
PFECHS	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0
PFHxSA	--	--	--	--	--	--	--	--	--	--	<2.0	<2.0	<2.0	<2.0
Total PFAS	11.9	14.6	15.9	16.2	11.1	11.5	20.5	9.7	11.4	17.9	18.8	18.1	8.8	12.0

Well/Sample:	OBG MW-6S	OBG MW-6S
Sample Date:	6/30/2020	10/28/2020
PFBA	**30 U**	<10
PFPeA	**4.9**	**5.0**
PFHxA	**5.6**	**4.5**
PFBS	**4.4**	**4.7**
PFHpA	**2.2**	**2.3**
PFPeS	<2.0	**2.2**
6:2 FTSA	<2.0	<2.0
PFOA	**8.8**	**4.3**
PFHxS	<2.0	**1.8 J**
PFNA	<2.0	<2.0
PFHpS	<2.0	<2.0
N-MeFOSAA	<2.0	<2.0
EtFOSAA	<4.0	<4.0
PFOS	<2.0	<2.0
FOSA	<2.0	<2.0
HFPO-DA	<2.0	<2.0
PFECHS	--	--
PFHxSA	--	--
Total PFAS	25.9	24.8

Well/Sample:	OBG MW-2D	OBG MW-2D	OBG MW-2D	OBG MW-2D	OBG MW-2D	OBG MW-2D	OBG MW-2D
Sample Date:	10/27/2020	4/21/2021	11/8/2021	4/28/2022	10/24/2022	4/26/2023	4/29/2024
PFBA	<9.7	<10	<10	<10	<9.7	<10	<9.7
PFPeA	<3.9	<4.0	<4.0	<4.0	<3.9	**2.6 J**	<3.9
PFHxA	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
PFBS	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
PFHpA	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
PFPeS	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
6:2 FTSA	<1.9	<2.0	<4.0	<2.1	<1.9	<2.0	<1.9
PFOA	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
PFHxS	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
PFNA	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
PFHpS	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
N-MeFOSAA	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
EtFOSAA	<3.9	<4.0	<4.0	<4.1	<3.9	<4.0	<3.9
PFOS	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
FOSA	<1.9	<2.0	<2.0	<2.1	<1.9	<2.0	<1.9
HFPO-DA	<1.9	<2.0	<10	<4.1	<9.7	<2.0	<9.7
PFECHS	--	--	--	--	--	<2.0	<1.9
PFHxSA	--	--	--	--	--	<2.0	<1.9
Total PFAS	0.0	0.0	0.0	0.0	0.0	2.6	0.0

Well/Sample:	OBG MW-2S	OBG MW-2S
Sample Date:	6/30/2020	10/27/2020
PFBA	**31 U**	<10
PFPeA	**7.6**	**7.3**
PFHxA	**4.9**	**5.2**
PFBS	<2.0	<2.1
PFHpA	**1.8 J**	**2.0 J**
PFPeS	<2.0	<2.1
6:2 FTSA	<2.0	<2.1
PFOA	**2.3**	**2.2**
PFHxS	<2.0	<2.1
PFNA	<2.0	<2.1
PFHpS	<2.0	<2.1
N-MeFOSAA	<2.0	<2.1
EtFOSAA	<3.9	<4.1
PFOS	<2.0	<2.1
FOSA	<2.0	<2.1
HFPO-DA	<2.0	<2.1
PFECHS	--	--
PFHxSA	--	--
Total PFAS	16.6	16.7

Well/Sample:	OBG MW-6D	OBG MW-6D	OBG MW-6D	OBG MW-6D	OBG MW-6D	OBG MW-6D	OBG MW-6D
Sample Date:	10/28/2020	4/22/2021	11/8/2021	4/27/2022	10/24/2022	4/26/2023	4/30/2024
PFBA	<10	<10	<9.5	<9.5	<9.6	<10	**2.9 J**
PFPeA	**1.3 J**	**1.7 J**	**1.3 J**	<3.9	<3.8	**1.3 J**	**2.0 J**
PFHxA	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
PFBS	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	**0.66 J**
PFHpA	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
PFPeS	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
6:2 FTSA	<2.0	<2.0	<3.8	<3.8	<1.9	<2.1	<2.1
PFOA	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
PFHxS	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
PFNA	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
PFHpS	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
N-MeFOSAA	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
EtFOSAA	<4.1	<4.0	<3.8	<3.9	<3.8	<4.2	<4.1
PFOS	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
FOSA	<2.0	<2.0	<1.9	<1.9	<1.9	<2.1	<2.1
HFPO-DA	<2.0	<2.0	<9.5	<3.9	<9.6	<2.1	<10
PFECHS	--	--	--	--	--	<2.1	<2.1
PFHxSA	--	--	--	--	--	<2.1	<2.1
Total PFAS	1.3	1.7	1.3	0.0	0.0	1.3	5.6

Well/Sample:	OBG MW-1S	OBG MW-1S
Sample Date:	6/29/2020	10/27/2020
PFBA	**32 U**	**13.0**
PFPeA	**7.7**	**9.9**
PFHxA	**5.8**	**6.8**
PFBS	**2**	**3.4**
PFHpA	<2.1	**2.3**
PFPeS	<2.1	<2.0
6:2 FTSA	<2.1	<2.0
PFOA	**3.9**	**3.6**
PFHxS	<2.1	<2.0
PFNA	<2.1	<2.0
PFHpS	<2.1	<2.0
N-MeFOSAA	<2.1	<2.0
EtFOSAA	<4.2	<4.1
PFOS	<2.1	<2.0
FOSA	<2.1	<2.0
HFPO-DA	<2.1	<2.0
PFECHS	--	--
PFHxSA	--	--
Total PFAS	19.8	26.0

Well/Sample:	OBG OS MW-3	OBG OS MW-3	OBG OS MW-3	OBG OS MW-3
Sample Date:	4/23/2021	11/9/2021	4/28/2022	10/25/2022
PFBA	<24 X	<20 X	<38 X	<9.5
PFPeA	<3.9	<4.4 X	<3.8	<3.8
PFHxA	**3.6**	**2.4**	<1.9	**2.9**
PFBS	**2.2**	**1.8 J**	<1.9	**1.8 J**
PFHpA	**2.4**	**2.2**	**1.4 J**	**2.2**
PFPeS	<2.0	<2.0	<1.9	<1.9
6:2 FTSA	<2.0	<4.0	<1.9	<1.9
PFOA	**10**	**11**	**9.5**	**16**
PFHxS	**1.7 J**	<2.0	<1.9	**4**
PFNA	<2.0	<2.0	<1.9	<1.9
PFHpS	<2.0	<2.0	<1.9	<1.9
N-MeFOSAA	<2.0	<2.0	<1.9	<1.9
EtFOSAA	**13**	**23**	**17**	**5.7**
PFOS	**36**	**34**	**30**	**31**
FOSA	**5.4**	**8.2**	**9.0**	**2.7**
HFPO-DA	<9.9	<10	<3.8	<9.5
PFECHS	--	--	--	--
PFHxSA	--	--	--	--
Total PFAS	74.3	82.6	66.9	66.3

Well/Sample:	OBG OS MW-4	OBG OS MW-4	OBG OS MW-4	OBG OS MW-4
Sample Date:	4/23/2021	11/9/2021	4/28/2022	10/25/2022
PFBA	<26 X	<21 X	<50 X	<10
PFPeA	<4.0	<4.1	<4.0	<4.0
PFHxA	<2.0	<2.1	<2.0	<2.0
PFBS	<2.0	<2.1	<2.0	**6.2 1**
PFHpA	<2.0	<2.1	<2.0	<2.0
PFPeS	<2.0	<2.1	<2.0	<2.0
6:2 FTSA	<2.0	<4.1	<2.0	<2.0
PFOA	**2.6**	**2.4**	**2.8**	**5.9**
PFHxS	<2.0	<2.1	<2.0	<2.0
PFNA	<2.0	<2.1	<2.0	<2.0
PFHpS	<2.0	<2.1	<2.0	<2.0
N-MeFOSAA	<2.0	<2.1	<2.0	<2.0
EtFOSAA	**6.3**	**6.4**	**6.0**	**9.5**
PFOS	**3.6**	**2.7**	**4.9**	**4.6**
FOSA	<2.0	<2.1	<2.0	<2.0
HFPO-DA	<10	<10	<4.0	<10
PFECHS	--	--	--	--
PFHxSA	--	--	--	--
Total PFAS	12.5	11.5	13.7	26.2

Well/Sample:	OBG MW-4S	OBG MW-4S LNAPL	OBG MW-4S	OBG MW-4S LNAPL	OBG MW-4S
Sample Date:	11/2/2020	11/2/2020	4/26/2021	4/26/2021	11/9/2021
PFBA	<150 X	<650	<10	<630 1	<120 X
PFPeA	<4.2	<330	<4.2	<320 1	<4.0
PFHxA	<2.1	<330	<2.1	<320 1	<2.0
PFBS	<2.1	<330	<2.1	<320 1	<2.0
PFHpA	<2.1	<330	<2.1	<320 1	<2.0
PFPeS	<2.1	<330	<2.1	<320 1	<2.0
6:2 FTSA	<2.1	<330	<2.1	<320 1	<4.0
PFOA	**4.5**	<330	**2.9**	<320 1	**3.8**
PFHxS	<2.1	<330	<2.1	<320 1	<2.0
PFNA	<2.1	<330	<2.1	<320 1	<2.0
PFHpS	<2.1	<330	<2.1	<320 1	<2.0
N-MeFOSAA	<2.1	<330	<2.1	<320 1	<2.0
EtFOSAA	<4.2	<330	<4.2	<320 1	<4.0
PFOS	**3.9**	<330	**2.2**	<320 1	**2.7**
FOSA	<2.1	<330	<2.1	<320 1	<2.0
HFPO-DA	<2.1	<330	<10	<320 1	<10
PFECHS	--	--	--	--	--
PFHxSA	--	--	--	--	--
Total PFAS	8.4	0.0	5.1	0.0	6.5

Well/Sample:	OBG MW-11	OBG MW-11	OBG MW-11	OBG MW-11	OBG MW-11	OBG MW-11	OBG MW-11
Sample Date:	10/29/2020	4/22/2021	11/8/2021	4/27/2022	10/24/2022	4/26/2023	4/30/2024
PFBA	<20 X	<25 X	**15**	**33**	<9.6	<41 X	<10
PFPeA	<4.0	<3.9	<3.9	<4.0	<3.8	<4.1	<4.1
PFHxA	**3.1**	<1.9	<2.0	<2.0	<1.9	<2.1	<4.1 X
PFBS	<2.0	<1.9	**1.6 J**	**6.1**	**1.8 J**	<2.1	**1.6 J**
PFHpA	<2.0	**1.5 J**	<2.0	<2.0	**1.5 J**	<2.1	<2.1
PFPeS	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
6:2 FTSA	<2.0	<1.9	<3.9	<2.0	<1.9	<2.1	<2.1
PFOA	**1.9 J**	**3.8**	**2.9**	**3.3**	**4.1**	**2.1**	**2.6**
PFHxS	<2.0	<1.9	<2.0	<2.0	**1.8 J**	<2.1	<2.1
PFNA	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
PFHpS	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
N-MeFOSAA	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
EtFOSAA	<4.0	<3.9	<3.9	<4.0	<3.8	<4.1	<4.1
PFOS	**6.5**	**3.3**	**3.8**	**3.5**	**4.5**	**3.6**	**2.8**
FOSA	<2.0	<1.9	<2.0	<2.0	<1.9	<2.1	<2.1
HFPO-DA	<2.0	<1.9	<9.9	<4.0	<9.6	<2.1	<10
PFECHS	--	--	--	--	--	<2.1	<2.1
PFHxSA	--	--	--	--	--	<2.1	<2.1
Total PFAS	11.5	8.6	8.3	45.9	13.7	5.7	7.0

Well/Sample:	MW-403	MW-403	MW-403	MW-403 (DUP-110921)	MW-403	MW-403 TOPs Analysis	MW-403	MW-403 (DUP-102522)	MW-403	MW-403
Sample Date:	11/2/2020	4/23/2021	11/9/2021	11/9/2021	4/29/2022	4/29/2022	10/25/2022	10/25/2022	4/27/2023	4/30/2024
PFBA	<16 X	<10	<9.8	<9.6	<14 X	<120 X	<9.3	<9.9	<26 X	<13 X
PFPeA	<4.1	<4.2	<3.9	<3.8	<4.1	<90 IX	**1.3 J**	**0.99 J**	<4.0	<3.8
PFHxA	**1.6 J**	<2.1	<2.0	<1.9	<2.1	**31**	<1.9	**1.4 J**	**1.4 J**	<1.9
PFBS	<2.1	<2.1	**1.5 J**	**1.8 J**	<2.1	<30	**1.4 J**	**1.9 J**	**1.8 J**	**1.7 J**
PFHpA	**2.1**	**2.0 J**	<2.0	**1.3 J**	<2.1	<30	**2.3**	**2.1**	**1.9 J**	<1.9
PFPeS	<2.1	<2.1	<2.0	<1.9	<2.1	<30	<1.9	<2.0	<2.0	<1.9
6:2 FTSA	<2.1	**240**	<3.9	<3.8	<2.1	<30 I	<1.9	<2.0	<2.0	<1.9
PFOA	**25**	**19**	**14**	**15**	**11**	<30	**9.3**	**11**	**12**	**11**
PFHxS	**3.6**	**2.2**	**3.9**	**3.7**	**1.7 J**	<30	**4.0**	**4.7**	**3.8**	**1.8 J**
PFNA	<2.1	**2.1**	<2.0	<1.9	<2.1	<30	<1.9	<2.0	<2.0	**1.6 J**
PFHpS	**7.3**	**2.7**	**3.8**	**3.8**	**2.7**	<30	<1.9	**2.1**	**2.5**	**2.1**
N-MeFOSAA	**<2.1**	**<2.1**	**2.5**	**1.9**	<2.1	<30	<1.9	<2.0	<2.0	**0.99 J**
EtFOSAA	**75**	**61**	**82**	**78**	**54**	<30 I	**45**	**43**	**81**	**95**
PFOS	**960**	**450**	**550**	**580**	**370**	**260**	**310**	**330**	**400**	**520**
FOSA	**32**	**33**	**59**	**60**	**33**	<30 I	**24**	**23**	**42**	**83**
HFPO-DA	<2.1	<10	<9.8	<9.6	<4.1	<30	<9.3	<9.9	<2.0	<9.5
PFECHS	--	--	--	--	--	--	--	--	**3.5**	**4.7**
PFHxSA	--	--	--	--	--	--	--	--	**2.2**	**2.4**
Total PFAS	1106.6	812.0	716.7	745.5	472.4	291.0	397.3	420.2	552.1	724.3

Well/Sample:	OBG MW-10	OBG MW-10	OBG MW-10	OBG MW-10	OBG MW-10	OBG MW-10	OBG MW-10	OBG MW-10
Sample Date:	7/2/2020	11/2/2020	4/26/2021	11/9/2021	4/29/2022	10/25/2022	4/27/2023	5/1/2024
PFBA	**26 U**	<49 X	<42 X	<19 X	<58	<100 JX	<51 X	<9.8
PFPeA	<3.9	**1.4 J**	<4.2	**1.5 J**	<3.8	<3.9	<4.0	<6.0 X
PFHxA	<2.0	**1.6 J**	<2.6 X	**2.3**	<1.9	**2.5**	**2.5**	<3.5 X
PFBS	**1.4**	<2.0	**1.6 J**	**1.6 J**	<1.9	**2.3**	**1.9 J**	**2.0**
PFHpA	<2.0	**1.7 J**	<2.1	<1.9	<1.9	**1.6 J**	<2.0	**1.3 J**
PFPeS	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
6:2 FTSA	<2.0	<2.0	<2.1	<3.9	<1.9	**5.0**	<2.0	<2.0
PFOA	**9.6**	**9.6**	**9.8**	**11**	**13**	**9.8**	**14**	**11**
PFHxS	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
PFNA	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
PFHpS	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
N-MeFOSAA	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	<2.0
EtFOSAA	**5.6**	<4.9 X	**6.9**	**3.1 J**	<3.8	<3.9	**7.4**	**6.9**
PFOS	**16**	**17**	**14**	**11**	**14**	**13**	**16**	**13**
FOSA	<2.0	<2.0	<2.1	<1.9	<1.9	<1.9	<2.0	**1.9 J**
HFPO-DA	<2.0	<2.0	<10	<9.7	<3.8	<9.7	<2.0	<9.8
PFECHS	--	--	--	--	--	--	<2.0	<2.0
PFHxSA	--	--	--	--	--	--	<2.0	<2.0
Total PFAS	32.6	31.3	32.3	30.5	27.0	34.2	41.8	36.1

Well/Sample:	OBG OS MW-5	OBG OS MW-5	OBG OS MW-5	OBG OS MW-5
Sample Date:	4/23/2021	11/9/2021	4/28/2022	10/25/2022
PFBA	<21 X	<21 X	<39 X	<9.8
PFPeA	**3.6 J**	<5.4 X	<3.9	<5 X
PFHxA	**3.4**	**3.5**	<1.9	**5.4**
PFBS	<2.1	<2.1	<1.9	<2.0
PFHpA	**1.8 J**	**1.5 J**	<1.9	**1.8 J**
PFPeS	<2.1	<2.1	<1.9	<2.0
6:2 FTSA	<2.1	<4.1	<1.9	<2.0
PFOA	**2.8**	**2.2**	**2.8**	**2.7**
PFHxS	<2.1	<2.1	<1.9	<2.0
PFNA	<2.1	<2.1	<1.9	<2.0
PFHpS	<2.1	<2.1	<1.9	<2.0
N-MeFOSAA	<2.1	<2.1	<1.9	<2.0
EtFOSAA	<4.1	<4.1	<3.9	<3.9
PFOS	<2.1	<2.1	<1.9	**2.1**
FOSA	<2.1	<2.1	<1.9	<2.0
HFPO-DA	<10	<10	<3.9	<9.8
PFECHS	--	--	--	--
PFHxSA	--	--	--	--
Total PFAS	11.6	7.2	2.8	12.0

Well/Sample:	MW-401	MW-401 LNAPL	MW-401	MW-401 LNAPL	MW-401	MW-401	MW-401
Sample Date:	11/2/2020	11/2/2020	4/27/2021	4/27/2021	11/9/2021	4/29/2022	10/26/2022
PFBA	<18 X	<920	<10	<970 1	**12**	<23 X	<10
PFPeA	<4.1	<460	<4.1	<480 1	<4.0	<4.1	<4.0
PFHxA	<2.0	<460	**2.0 J**	<480 1	<2.0	<2.1	**2.4**
PFBS	<2.0	<460	<2.1	<480 1	<2.0	<2.1	<2.0
PFHpA	<2.0	<460	<2.1	<480 1	<2.0	<2.1	<2.0
PFPeS	<2.0	<460	<2.1	<480 1	<2.0	<2.1	<2.0
6:2 FTSA	<2.0	<460	<2.1	<480 1	<4.0	<2.1	<2.0
PFOA	<2.0	<460	<2.1	<480 1	<2.0	<2.1	**1.9 J**
PFHxS	<2.0	<460	<2.1	<480 1	<2.0	<2.1	<2.0
PFNA	<2.0	<460	<2.1	<480 1	<2.0	<2.1	<2.0
PFHpS	<2.0	<460	<2.1	<480 1	<2.0	<2.1	<2.0
N-MeFOSAA	<2.0	<460	<2.1	<480 1	<2.0	<2.1	<2.0
EtFOSAA	<4.1	**520**	<4.1	<480 1	<4.0	<4.1	<4.0
PFOS	<2.0	**320 J**	<2.1	**99 J1**	<2.0	<2.0	<2.0
FOSA	<2.0	<460	<2.1	<480 1	<2.0	<2.0	<2.0
HFPO-DA	<2.0	<460	<10	<480 1	<10	<2.1	<10
PFECHS	--	--	--	--	--	--	--
PFHxSA	--	--	--	--	--	--	--
Total PFAS	0.0	840.0	2.0	99.0	0.0	0.0	4.3

Well/Sample:	OBG MW-3	OBG MW-3
Sample Date:	6/30/2020	10/28/2020
PFBA	**33 U**	<10
PFPeA	**4.1**	**2.0 J**
PFHxA	**2.7**	<2.0
PFBS	**3.8**	**3.8**
PFHpA	**2.2**	<2.0
PFPeS	<1.9	<2.0
6:2 FTSA	<1.9	<2.0
PFOA	**4.2**	**4.4**
PFHxS	<1.9	<2.0
PFNA	<1.9	<2.0
PFHpS	<1.9	<2.0
N-MeFOSAA	<1.9	<2.0
EtFOSAA	<3.9	<4.1
PFOS	<1.9	<2.0
FOSA	<1.9	<2.0
HFPO-DA	<1.9	<2.0
PFECHS	--	--
PFHxSA	--	--
Total PFAS	17.0	10.2

Well/Sample:	OBG MW-8	OBG MW-8	OBG MW-8	OBG MW-8	OBG MW-8	OBG MW-8	OBG MW-8	OBG MW-8
Sample Date:	6/30/2020	10/29/2020	4/22/2021	11/8/2021	4/28/2022	10/24/2022	4/26/2023	4/30/2024
PFBA	**25 U**	<10	<10	<9.8	<9.9	<10	<10	**12**
PFPeA	<4.1	<4.1	<4.0	<3.9	<4.0	<4.1	<4.0	<4.0
PFHxA	<2.1	<2.1	<2.0	**1.6 J**	**2.0**	**3.2**	<2.0	**2.4**
PFBS	<2.1	**1.8 J**	**1.6 J**	**1.9 J**	**1.6 J**	**1.8 J**	**1.7 J**	**2.5**
PFHpA	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFPeS	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
6:2 FTSA	<2.1	<2.1	<2.0	<3.9	<2.0	**4.2**	<2.0	<2.0
PFOA	<2.1	**1.8 J**	**1.7 J**	<2.0	<2.0	<2.0	<2.0	**2.0 J**
PFHxS	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFNA	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
PFHpS	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-MeFOSAA	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
EtFOSAA	<4.1	<4.1	<4.0	<3.9	<4.0	<4.1	<4.0	<4.0
PFOS	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
FOSA	<2.1	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
HFPO-DA	<2.1	<2.1	<10	<9.8	<4.0	<10	<2.3	<10
PFECHS	--	--	--	--	--	--	<2.0	<2.0
PFHxSA	--	--	--	--	--	--	<2.0	<2.0
Total PFAS	0.0	3.6	3.3	3.5	3.6	9.2	1.7	18.9

Well/Sample:	OBG MW-9	OBG MW-9	OBG MW-9	OBG MW-9	OBG MW-9	OBG MW-9	OBG MW-9
Sample Date:	10/29/2020	4/22/2021	11/8/2021	4/28/2022	10/24/2022	4/26/2023	4/30/2024
PFBA	<10.0	<10.0	<10	<10	<9.4	<20 X	**7.3 J**
PFPeA	<4.0	<4.0	<5.4 X	<4.1	<3.7	<3.9	<4.0
PFHxA	<2.0	<2.0	**2.4**	<2.1	**1.5 J**	<2.0	<2.6 X
PFBS	**2.2**	**2.3**	**2.0 J**	**1.9 J**	**2.7**	**2.1**	**2.5**
PFHpA	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
PFPeS	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
6:2 FTSA	<2.0	<2.0	**8.3**	<2.1	**4.0**	<2.0	<2.0
PFOA	<2.0	<2.0	**2.6**	<2.1	**1.6 J**	**2.0**	**1.6 J**
PFHxS	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
PFNA	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
PFHpS	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
N-MeFOSAA	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
EtFOSAA	<4.0	<4.0	<4.2	<4.1	<3.7	<3.9	<4.0
PFOS	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
FOSA	<2.0	<2.0	<2.1	<2.1	<1.9	<2.0	<2.0
HFPO-DA	<2.0	<10.0	<10	<4.1	<9.4	<2.0	<10
PFECHS	--	--	--	--	--	<2.0	<2.0
PFHxSA	--	--	--	--	--	<2.0	<2.0
Total PFAS	2.2	2.3	15.3	1.9	9.8	4.1	11.4

Per-and Polyfluoroalkyl Substances (PFAS)	EGLE Drinking Water Maximum Contaminant Levels (MCLs)
Perfluorobutanoic Acid (PFBA)	--
Perfluoropentanoic Acid (PFPeA)	--
Perfluorohexanoic Acid (PFHxA)	**400000**
Perfluorobutane Sulfonic Acid (PFBS)	**420**
Perfluoroheptanoic Acid (PFHpA)	--
Perfluoropentane Sulfonic Acid (PFPeS)	--
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--
Perfluorooctanoic Acid (**PFOA**)	**8**
Perfluorohexane Sulfonic Acid (PFHxS)	**51**
Perfluorononanoic Acid (PFNA)	**6**
Perfluoroheptane Sulfonic Acid (PFHpS)	--
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--
Perfluorooctane Sulfonic Acid (**PFOS**)	**16**
Perfluorooctane Sulfonamide (FOSA)	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--
Perfluorohexanesulfonamide (PFHxSA)	--
Total Per-and Polyfluoroalkyl Substances	--

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) Concentrations above EGLE Drinking Water Maximum Contaminant Levels (MCLs) and cleanup criteria are highlighted in yellow.
7) According to Merit, the detection of PFBA in Field Blank-062920, Field Blank-070120, and Field Blank-070220 was caused from the laboratory centrifuge tubes leaching PFBA to the sample during the extraction process. A 5X Rule was applied to PFBA detections. Sample results less than 5 times the associated blank concentration (5X Rule) were qualified "U," undetected.
8) J - Estimated value less than reporting limit, but greater than MDL.
9) X - Elevated reporting limit due to matrix interference.

LEGEND

- MONITORING WELL LOCATION (SCREENED IN NATIVE SOIL)
- MONITORING WELL LOCATION (SCREENED IN FILL)
- PFAS SAMPLE LOCATION
- FENCE LINE
- APPROXIMATE EXTENT OF WASTE FILL ONSITE

0 125 250 Feet

PFAS SAMPLE RESULTS

FIGURE 03

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

MONITORING WELL LOCATION (SCREENED IN FILL)

MONITORING WELL LOCATION (SCREENED IN NATIVE SOIL)

SHALLOW GROUNDWATER ELEVATION CONTOUR

FENCE LINE

APPROXIMATE EXTENT OF WASTE FILL ONSITE

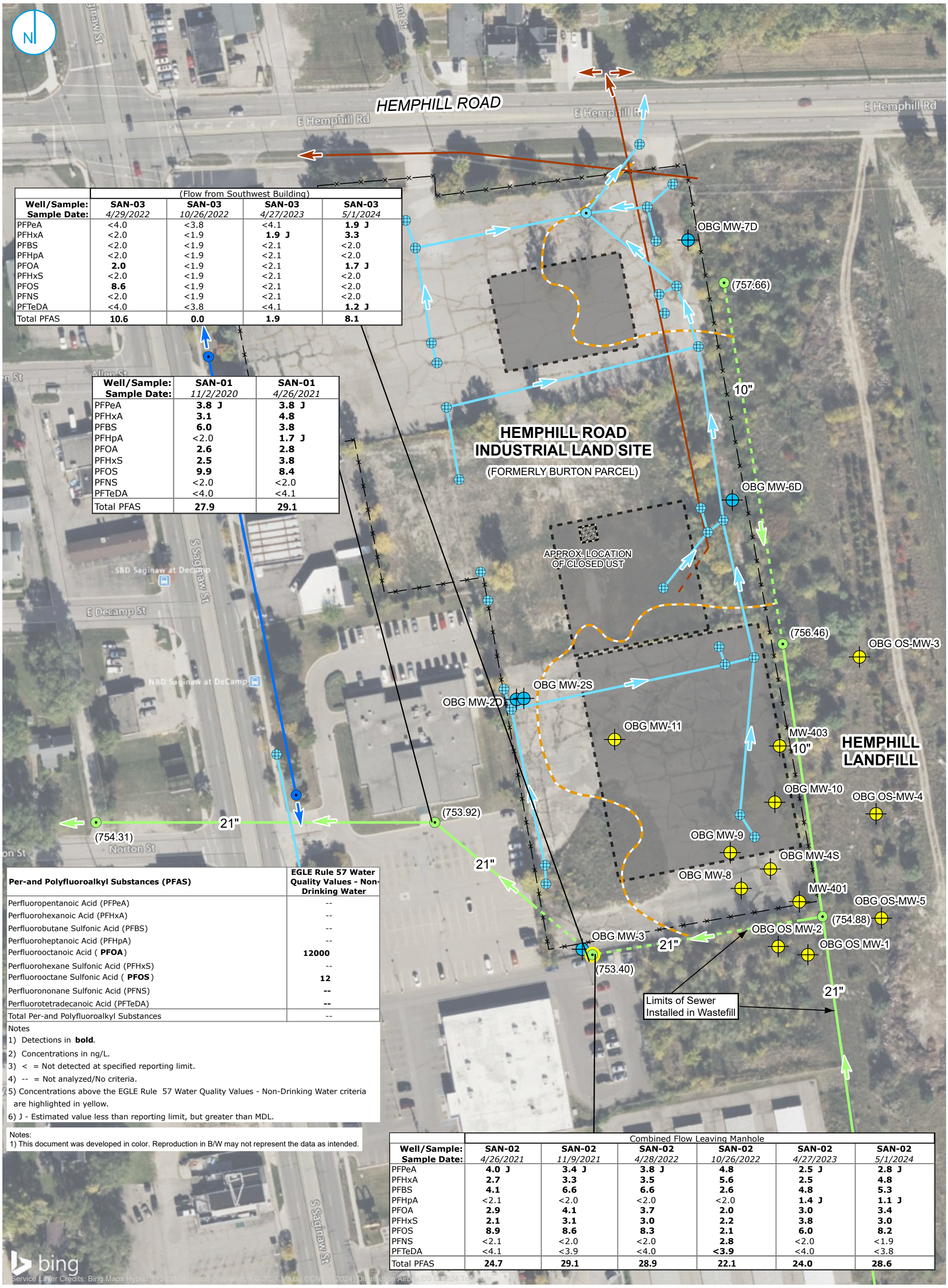
0 50 100 Feet

INTERPRETED SHALLOW GROUNDWATER ELEVATION CONTOURS APRIL 29, 2024

RACER TRUST
HEMPHILL ROAD INDUSTRIAL LAND
BURTON, MICHIGAN

FIGURE 04

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



	(Flow from Southwest Building)			
Well/Sample: **Sample Date:**	**SAN-03** *4/29/2022*	**SAN-03** *10/26/2022*	**SAN-03** *4/27/2023*	**SAN-03** *5/1/2024*
PFPeA	<4.0	<3.8	<4.1	**1.9 J**
PFHxA	<2.0	<1.9	**1.9 J**	**3.3**
PFBS	<2.0	<1.9	<2.1	<2.0
PFHpA	<2.0	<1.9	<2.1	<2.0
PFOA	**2.0**	<1.9	<2.1	**1.7 J**
PFHxS	<2.0	<1.9	<2.1	<2.0
PFOS	**8.6**	<1.9	<2.1	<2.0
PFNS	<2.0	<1.9	<2.1	<2.0
PFTeDA	<4.0	<3.8	<4.1	**1.2 J**
Total PFAS	**10.6**	**0.0**	**1.9**	**8.1**

Well/Sample: **Sample Date:**	**SAN-01** *11/2/2020*	**SAN-01** *4/26/2021*
PFPeA	**3.8 J**	**3.8 J**
PFHxA	**3.1**	**4.8**
PFBS	**6.0**	**3.8**
PFHpA	<2.0	**1.7 J**
PFOA	**2.6**	**2.8**
PFHxS	**2.5**	**3.8**
PFOS	**9.9**	**8.4**
PFNS	<2.0	<2.0
PFTeDA	<4.0	<4.1
Total PFAS	**27.9**	**29.1**

Per-and Polyfluoroalkyl Substances (PFAS)	**EGLE Rule 57 Water Quality Values - Non-Drinking Water**
Perfluoropentanoic Acid (PFPeA)	--
Perfluorohexanoic Acid (PFHxA)	--
Perfluorobutane Sulfonic Acid (PFBS)	--
Perfluoroheptanoic Acid (PFHpA)	--
Perfluorooctanoic Acid (**PFOA**)	**12000**
Perfluorohexane Sulfonic Acid (PFHxS)	--
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**
Perfluorononane Sulfonic Acid (PFNS)	**--**
Perfluorotetradecanoic Acid (PFTeDA)	**--**
Total Per-and Polyfluoroalkyl Substances	--

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Concentrations above the EGLE Rule 57 Water Quality Values - Non-Drinking Water criteria are highlighted in yellow.
6) J - Estimated value less than reporting limit, but greater than MDL.

Notes:
1) This document was developed in color. Reproduction in B/W may not represent the data as intended.

	Combined Flow Leaving Manhole					
Well/Sample: **Sample Date:**	**SAN-02** *4/26/2021*	**SAN-02** *11/9/2021*	**SAN-02** *4/28/2022*	**SAN-02** *10/26/2022*	**SAN-02** *4/27/2023*	**SAN-02** *5/1/2024*
PFPeA	**4.0 J**	**3.4 J**	**3.8 J**	**4.8**	**2.5 J**	**2.8 J**
PFHxA	**2.7**	**3.3**	**3.5**	**5.6**	**2.5**	**4.8**
PFBS	**4.1**	**6.6**	**6.6**	**2.6**	**4.8**	**5.3**
PFHpA	<2.1	<2.0	<2.0	<2.0	**1.4 J**	**1.1 J**
PFOA	**2.9**	**4.1**	**3.7**	**2.0**	**3.0**	**3.4**
PFHxS	**2.1**	**3.1**	**3.0**	**2.2**	**3.8**	**3.0**
PFOS	**8.9**	**8.6**	**8.3**	**2.1**	**6.0**	**8.2**
PFNS	<2.1	<2.0	<2.0	**2.8**	<2.0	<1.9
PFTeDA	<4.1	<3.9	<4.0	**<3.9**	<4.0	<3.8
Total PFAS	**24.7**	**29.1**	**28.9**	**22.1**	**24.0**	**28.6**

STORM SEWER LINE
SANITARY SEWER LINE (DIAMETER - 21")
INSTALLED BELOW THE WATER TABLE
WATER LINE
MANHOLE (HIGHLIGHTED MANHOLE INDICATES PROPOSED SAMPLE)
CATCH BASIN
ELECTRICAL LINE (ABOVE/BELOW)
FENCE LINE
FORMER BUILDING
APPROXIMATE EXTENT
OF WASTE FILL ONSITE

0 50 100 Feet

SITE UTILITY LAYOUT

Racer Trust
Hemphill Road Industrial Land
Burton, Michigan

FIGURE 05

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY
RAMBOLL

RAMBOLL

ENVIRONMENT
& HEALTH

ATTACHMENT A
ANALYTICAL REPORTS

Analytical Laboratory Report

Report ID: S61596.01(01)
Generated on 05/24/2024

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

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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): S61596.01-S61596.14
Project: RACER Hemphill Rd Industrial Land
Collected Date(s): 04/29/2024 - 05/01/2024
Submitted Date/Time: 05/01/2024 14:40
Sampled by: Kevin Schneider
P.O. #: PO

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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 (14 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S61596.01	OBG MW-2D	Groundwater	04/29/24 13:12
S61596.02	OBG MW-6D	Groundwater	04/30/24 10:45
S61596.03	OBG MW-7D	Groundwater	04/29/24 14:20
S61596.04	OBG MW-7S	Groundwater	04/29/24 15:35
S61596.05	OBG MW-11	Groundwater	04/30/24 11:50
S61596.06	OBG MW-8	Groundwater	04/30/24 12:40
S61596.07	MW-403	Groundwater	04/30/24 13:32
S61596.08	OBG MW-9	Groundwater	04/30/24 13:25
S61596.09	OBG MW-5S	Groundwater	05/01/24 09:50
S61596.10	Field Blank-050124	Water	05/01/24 09:48
S61596.11	OBG MW-10	Groundwater	05/01/24 11:05
S61596.12	DUP-050124	Groundwater	05/01/24 00:01
S61596.13	San-02	Liquid	05/01/24 11:00
S61596.14	San-03	Liquid	05/01/24 11:10

Analytical Laboratory Report

Lab Sample ID: S61596.01
Sample Tag: OBG MW-2D
Collected Date/Time: 04/29/2024 13:12
Matrix: Groundwater
COC Reference: 155553

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)*	12.11/6.43/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 16:52, 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: S61596.01 (continued)
Sample Tag: OBG MW-2D

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 16:52, 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	

Analytical Laboratory Report

Lab Sample ID: S61596.02
Sample Tag: OBG MW-6D
Collected Date/Time: 04/30/2024 10:45
Matrix: Groundwater
COC Reference: 155553

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)*	11.78/6.46/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 17:32, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	2.9	10	2.1	ng/L	2.07	375-22-4	J
PFPeA*	2.0	4.1	1.2	ng/L	2.07	2706-90-3	J
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.07	757124-72-4	
PFHxA*	Not detected	2.1	1.2	ng/L	2.07	307-24-4	
PFBS*	0.66	2.1	0.62	ng/L	2.07	375-73-5	J
PFHpA*	Not detected	2.1	0.83	ng/L	2.07	375-85-9	
PFPeS*	Not detected	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*	Not detected	2.1	0.83	ng/L	2.07	335-67-1	
PFHxS*	Not detected	2.1	1.0	ng/L	2.07	355-46-4	
PFHxS-LN*	Not detected	2.1	1.0	ng/L	2.07	355-46-4-LN	
PFHxS-BR*	Not detected	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	2.1	0.83	ng/L	2.07	1763-23-1	
PFOS-LN*	Not detected	2.1	0.83	ng/L	2.07	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.83	ng/L	2.07	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.83	ng/L	2.07	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.07	68259-12-1	
PFDoDA*	Not detected	2.1	0.62	ng/L	2.07	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.07	335-77-3	
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	

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

Lab Sample ID: S61596.02 (continued)
Sample Tag: OBG MW-6D

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 17:32, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	Not detected	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: S61596.03
Sample Tag: OBG MW-7D
Collected Date/Time: 04/29/2024 14:20
Matrix: Groundwater
COC Reference: 155553

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)*	11.90/6.43/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 17:52, 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*	Not detected	2.0	0.60	ng/L	2.01	375-73-5	
PFHpA*	Not detected	2.0	0.80	ng/L	2.01	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	2.01	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.01	27619-97-2	
PFOA*	Not detected	2.0	0.80	ng/L	2.01	335-67-1	
PFHxS*	Not detected	2.0	1.0	ng/L	2.01	355-46-4	
PFHxS-LN*	Not detected	2.0	1.0	ng/L	2.01	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	1.0	ng/L	2.01	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.01	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.01	39108-34-4	
PFHpS*	Not detected	2.0	0.80	ng/L	2.01	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.01	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.01	2355-31-9	
EtFOSAA*	Not detected	4.0	1.0	ng/L	2.01	2991-50-6	
PFOS*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1	
PFOS-LN*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.80	ng/L	2.01	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.80	ng/L	2.01	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.01	68259-12-1	
PFDoDA*	Not detected	2.0	0.60	ng/L	2.01	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.01	335-77-3	
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	
PFECHS*	Not detected	2.0	0.80	ng/L	2.01	67584-42-3	

Lab Sample ID: S61596.03 (continued)
Sample Tag: OBG MW-7D

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 17:52, Analyst: KCV (continued)

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

Analytical Laboratory Report

Lab Sample ID: S61596.04
Sample Tag: OBG MW-7S
Collected Date/Time: 04/29/2024 15:35
Matrix: Groundwater
COC Reference: 155553

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)*	12.42/6.45/12	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 18:12, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	8.5	10	2.0	ng/L	2.01	375-22-4	J
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*	2.5	2.0	1.2	ng/L	2.01	307-24-4	
PFBS*	2.6	2.0	0.60	ng/L	2.01	375-73-5	
PFHpA*	Not detected	2.0	0.80	ng/L	2.01	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	2.01	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.01	27619-97-2	
PFOA*	13	2.0	0.80	ng/L	2.01	335-67-1	
PFHxS*	4.2	2.0	1.0	ng/L	2.01	355-46-4	
PFHxS-LN*	3.0	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*	1.2	2.0	0.80	ng/L	2.01	375-92-8	J
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	6.0	1.0	ng/L	2.01	2991-50-6	X
PFOS*	36	2.0	0.80	ng/L	2.01	1763-23-1	
PFOS-LN*	16	2.0	0.80	ng/L	2.01	1763-23-1-LN	
PFOS-BR*	19	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	

J-Estimated value less than reporting limit, but greater than MDL
X-Elevated reporting limit due to matrix interference

Lab Sample ID: S61596.04 (continued)
Sample Tag: OBG MW-7S

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 18:12, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBSA*	Not detected	2.0	0.60	ng/L	2.01	30334-69-1	
PFECHS*	Not detected	2.0	0.80	ng/L	2.01	67584-42-3	
PFHxSA*	1.5	2.0	0.60	ng/L	2.01	41997-13-1	J

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

Analytical Laboratory Report

Lab Sample ID: S61596.05
Sample Tag: OBG MW-11
Collected Date/Time: 04/30/2024 11:50
Matrix: Groundwater
COC Reference: 155553

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)*	11.92/6.55/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 18:32, 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	4.1	1.2	ng/L	2.05	307-24-4	X
PFBS*	1.6	2.1	0.62	ng/L	2.05	375-73-5	J
PFHpA*	Not detected	2.1	0.82	ng/L	2.05	375-85-9	
PFPeS*	Not detected	2.1	1.8	ng/L	2.05	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.05	27619-97-2	
PFOA*	2.6	2.1	0.82	ng/L	2.05	335-67-1	
PFHxS*	Not detected	2.1	1.0	ng/L	2.05	355-46-4	
PFHxS-LN*	Not detected	2.1	1.0	ng/L	2.05	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.0	ng/L	2.05	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.05	375-95-1	
8:2 FTSA*	Not detected	2.1	1.2	ng/L	2.05	39108-34-4	
PFHpS*	Not detected	2.1	0.82	ng/L	2.05	375-92-8	
PFDA*	Not detected	2.1	1.2	ng/L	2.05	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.05	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.05	2991-50-6	
PFOS*	2.8	2.1	0.82	ng/L	2.05	1763-23-1	
PFOS-LN*	Not detected	2.1	0.82	ng/L	2.05	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.82	ng/L	2.05	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.82	ng/L	2.05	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.05	68259-12-1	
PFDoDA*	Not detected	2.1	0.62	ng/L	2.05	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.05	335-77-3	
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	

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S61596.05 (continued)
Sample Tag: OBG MW-11

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 18:32, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBSA*	Not detected	2.1	0.62	ng/L	2.05	30334-69-1	
PFECHS*	Not detected	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: S61596.06
Sample Tag: OBG MW-8
Collected Date/Time: 04/30/2024 12:40
Matrix: Groundwater
COC Reference: 155553

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)*	11.91/6.47/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 18:52, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	12	10	2.0	ng/L	2.02	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	2.02	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.02	757124-72-4	
PFHxA*	2.4	2.0	1.2	ng/L	2.02	307-24-4	
PFBS*	2.5	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*	Not detected	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*	2.0	2.0	0.81	ng/L	2.02	335-67-1	J
PFHxS*	Not detected	2.0	1.0	ng/L	2.02	355-46-4	
PFHxS-LN*	Not detected	2.0	1.0	ng/L	2.02	355-46-4-LN	
PFHxS-BR*	Not detected	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*	Not detected	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*	Not detected	2.0	0.81	ng/L	2.02	1763-23-1	
PFOS-LN*	Not detected	2.0	0.81	ng/L	2.02	1763-23-1-LN	
PFOS-BR*	Not detected	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*	Not detected	2.0	0.81	ng/L	2.02	754-91-6	
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: S61596.06 (continued)
Sample Tag: OBG MW-8

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 18:52, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	Not detected	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	

Analytical Laboratory Report

Lab Sample ID: S61596.07
Sample Tag: MW-403
Collected Date/Time: 04/30/2024 13:32
Matrix: Groundwater
COC Reference: 155553

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)*	12.20/6.41/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 19:12, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	13	1.9	ng/L	1.9	375-22-4	X
PFPeA*	Not detected	3.8	1.1	ng/L	1.9	2706-90-3	
4:2 FTSA*	Not detected	1.9	0.19	ng/L	1.9	757124-72-4	
PFHxA*	Not detected	1.9	1.1	ng/L	1.9	307-24-4	
PFBS*	1.7	1.9	0.57	ng/L	1.9	375-73-5	J
PFHpA*	Not detected	1.9	0.76	ng/L	1.9	375-85-9	
PFPeS*	Not detected	1.9	1.7	ng/L	1.9	2706-91-4	
6:2 FTSA*	Not detected	1.9	0.95	ng/L	1.9	27619-97-2	
PFOA*	11	1.9	0.76	ng/L	1.9	335-67-1	
PFHxS*	1.8	1.9	0.95	ng/L	1.9	355-46-4	J
PFHxS-LN*	1.8	1.9	0.95	ng/L	1.9	355-46-4-LN	J
PFHxS-BR*	Not detected	1.9	0.95	ng/L	1.9	355-46-4-BR	
PFNA*	1.6	1.9	0.95	ng/L	1.9	375-95-1	J
8:2 FTSA*	Not detected	1.9	1.1	ng/L	1.9	39108-34-4	
PFHpS*	2.1	1.9	0.76	ng/L	1.9	375-92-8	
PFDA*	Not detected	1.9	1.1	ng/L	1.9	335-76-2	
N-MeFOSAA*	0.99	1.9	0.95	ng/L	1.9	2355-31-9	J
EtFOSAA*	95	3.8	0.95	ng/L	1.9	2991-50-6	
PFOS*	520	1.9	0.76	ng/L	1.9	1763-23-1	
PFOS-LN*	390	1.9	0.76	ng/L	1.9	1763-23-1-LN	
PFOS-BR*	120	1.9	0.76	ng/L	1.9	1763-23-1-BR	
PFUnDA*	Not detected	1.9	0.76	ng/L	1.9	2058-94-8	
PFNS*	Not detected	1.9	0.95	ng/L	1.9	68259-12-1	
PFDoDA*	Not detected	1.9	0.57	ng/L	1.9	307-55-1	
PFDS*	Not detected	1.9	0.95	ng/L	1.9	335-77-3	
PFTrDA*	Not detected	1.9	0.76	ng/L	1.9	72629-94-8	
FOSA*	83	1.9	0.76	ng/L	1.9	754-91-6	
PFTeDA*	Not detected	3.8	0.57	ng/L	1.9	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9	0.95	ng/L	1.9	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9	0.95	ng/L	1.9	756426-58-1	
ADONA*	Not detected	1.9	0.57	ng/L	1.9	919005-14-4	
HFPO-DA*	Not detected	9.5	1.9	ng/L	1.9	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.5	7.6	ng/L	1.9	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.5	3.8	ng/L	1.9	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.5	3.8	ng/L	1.9	356-02-5	

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S61596.07 (continued)

Sample Tag: MW-403

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 19:12, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBSA*	Not detected	1.9	0.57	ng/L	1.9	30334-69-1	
PFECHS*	4.7	1.9	0.76	ng/L	1.9	67584-42-3	
PFHxSA*	2.4	1.9	0.57	ng/L	1.9	41997-13-1	

Lab Sample ID: S61596.08
Sample Tag: OBG MW-9
Collected Date/Time: 04/30/2024 13:25
Matrix: Groundwater
COC Reference: 155553

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)*	12.00/6.47/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 19:32, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	7.3	10.0	2.0	ng/L	1.99	375-22-4	J
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	2.6	1.2	ng/L	1.99	307-24-4	X
PFBS*	2.5	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*	1.6	2.0	0.80	ng/L	1.99	335-67-1	J
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	

J-Estimated value less than reporting limit, but greater than MDL
X-Elevated reporting limit due to matrix interference

Lab Sample ID: S61596.08 (continued)
Sample Tag: OBG MW-9

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 19:32, Analyst: KCV (continued)

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

Lab Sample ID: S61596.09
Sample Tag: OBG MW-5S
Collected Date/Time: 05/01/2024 09:50
Matrix: Groundwater
COC Reference: 155553

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)*	12.01/6.41/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 19:52, 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	3.1	1.2	ng/L	1.96	307-24-4	X
PFBS*	Not detected	3.1	0.59	ng/L	1.96	375-73-5	X
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*	6.4	2.0	0.78	ng/L	1.96	335-67-1	
PFHxS*	2.4	2.0	0.98	ng/L	1.96	355-46-4	
PFHxS-LN*	1.5	2.0	0.98	ng/L	1.96	355-46-4-LN	J
PFHxS-BR*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0	0.98	ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0	0.78	ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.98	ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9	0.98	ng/L	1.96	2991-50-6	
PFOS*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1	
PFOS-LN*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.78	ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0	0.98	ng/L	1.96	68259-12-1	
PFDoDA*	Not detected	2.0	0.59	ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0	0.98	ng/L	1.96	335-77-3	
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	

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S61596.09 (continued)
Sample Tag: OBG MW-5S

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 19:52, Analyst: KCV (continued)

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

Lab Sample ID: S61596.10
Sample Tag: Field Blank-050124
Collected Date/Time: 05/01/2024 09:48
Matrix: Water
COC Reference: 155553

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)*	11.22/6.46/10	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 20:12, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	11	2.1	ng/L	2.1	375-22-4	
PFPeA*	Not detected	4.2	1.3	ng/L	2.1	2706-90-3	
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.1	757124-72-4	
PFHxA*	Not detected	2.1	1.3	ng/L	2.1	307-24-4	
PFBS*	Not detected	2.1	0.63	ng/L	2.1	375-73-5	
PFHpA*	Not detected	2.1	0.84	ng/L	2.1	375-85-9	
PFPeS*	Not detected	2.1	1.9	ng/L	2.1	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.1	ng/L	2.1	27619-97-2	
PFOA*	Not detected	2.1	0.84	ng/L	2.1	335-67-1	
PFHxS*	Not detected	2.1	1.1	ng/L	2.1	355-46-4	
PFHxS-LN*	Not detected	2.1	1.1	ng/L	2.1	355-46-4-LN	
PFHxS-BR*	Not detected	2.1	1.1	ng/L	2.1	355-46-4-BR	
PFNA*	Not detected	2.1	1.1	ng/L	2.1	375-95-1	
8:2 FTSA*	Not detected	2.1	1.3	ng/L	2.1	39108-34-4	
PFHpS*	Not detected	2.1	0.84	ng/L	2.1	375-92-8	
PFDA*	Not detected	2.1	1.3	ng/L	2.1	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.1	ng/L	2.1	2355-31-9	
EtFOSAA*	Not detected	4.2	1.1	ng/L	2.1	2991-50-6	
PFOS*	Not detected	2.1	0.84	ng/L	2.1	1763-23-1	
PFOS-LN*	Not detected	2.1	0.84	ng/L	2.1	1763-23-1-LN	
PFOS-BR*	Not detected	2.1	0.84	ng/L	2.1	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.84	ng/L	2.1	2058-94-8	
PFNS*	Not detected	2.1	1.1	ng/L	2.1	68259-12-1	
PFDoDA*	Not detected	2.1	0.63	ng/L	2.1	307-55-1	
PFDS*	Not detected	2.1	1.1	ng/L	2.1	335-77-3	
PFTrDA*	Not detected	2.1	0.84	ng/L	2.1	72629-94-8	
FOSA*	Not detected	2.1	0.84	ng/L	2.1	754-91-6	
PFTeDA*	Not detected	4.2	0.63	ng/L	2.1	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.1	ng/L	2.1	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.1	ng/L	2.1	756426-58-1	
ADONA*	Not detected	2.1	0.63	ng/L	2.1	919005-14-4	
HFPO-DA*	Not detected	11	2.1	ng/L	2.1	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	11	8.4	ng/L	2.1	812-70-4	
FPePA (5:3 FTCA)*	Not detected	11	4.2	ng/L	2.1	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	11	4.2	ng/L	2.1	356-02-5	
PFBSA*	Not detected	2.1	0.63	ng/L	2.1	30334-69-1	
PFECHS*	Not detected	2.1	0.84	ng/L	2.1	67584-42-3	

Lab Sample ID: S61596.10 (continued)

Sample Tag: Field Blank-050124

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 20:12, Analyst: KCV (continued)

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

Analytical Laboratory Report

Lab Sample ID: S61596.11
Sample Tag: OBG MW-10
Collected Date/Time: 05/01/2024 11:05
Matrix: Groundwater
COC Reference: 155553

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)*	12.08/6.43/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 20:32, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.8	2.0	ng/L	1.95	375-22-4	
PFPeA*	Not detected	6.0	1.2	ng/L	1.95	2706-90-3	X
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.95	757124-72-4	
PFHxA*	Not detected	3.5	1.2	ng/L	1.95	307-24-4	X
PFBS*	2.0	2.0	0.59	ng/L	1.95	375-73-5	
PFHpA*	1.3	2.0	0.78	ng/L	1.95	375-85-9	J
PFPeS*	Not detected	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*	11	2.0	0.78	ng/L	1.95	335-67-1	
PFHxS*	Not detected	2.0	0.98	ng/L	1.95	355-46-4	
PFHxS-LN*	Not detected	2.0	0.98	ng/L	1.95	355-46-4-LN	
PFHxS-BR*	Not detected	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*	Not detected	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*	6.9	3.9	0.98	ng/L	1.95	2991-50-6	
PFOS*	13	2.0	0.78	ng/L	1.95	1763-23-1	
PFOS-LN*	5.2	2.0	0.78	ng/L	1.95	1763-23-1-LN	
PFOS-BR*	6.7	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*	1.9	2.0	0.78	ng/L	1.95	754-91-6	J
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	

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S61596.11 (continued)
Sample Tag: OBG MW-10

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 20:32, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBSA*	Not detected	2.0	0.59	ng/L	1.95	30334-69-1	
PFECHS*	Not detected	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: S61596.12
Sample Tag: DUP-050124
Collected Date/Time: 05/01/2024 00:01
Matrix: Groundwater
COC Reference: 155553

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)*	12.08/6.43/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 20:52, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	21	2.0	ng/L	1.95	375-22-4	X
PFPeA*	Not detected	4.5	1.2	ng/L	1.95	2706-90-3	X
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.95	757124-72-4	
PFHxA*	Not detected	3.1	1.2	ng/L	1.95	307-24-4	X
PFBS*	2.5	2.0	0.59	ng/L	1.95	375-73-5	
PFHpA*	Not detected	2.0	0.78	ng/L	1.95	375-85-9	
PFPeS*	Not detected	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*	7.7	2.0	0.78	ng/L	1.95	335-67-1	
PFHxS*	1.8	2.0	0.98	ng/L	1.95	355-46-4	J
PFHxS-LN*	1.8	2.0	0.98	ng/L	1.95	355-46-4-LN	J
PFHxS-BR*	Not detected	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*	Not detected	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*	Not detected	2.0	0.78	ng/L	1.95	1763-23-1	
PFOS-LN*	Not detected	2.0	0.78	ng/L	1.95	1763-23-1-LN	
PFOS-BR*	Not detected	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	

X-Elevated reporting limit due to matrix interference
J-Estimated value less than reporting limit, but greater than MDL

Lab Sample ID: S61596.12 (continued)
Sample Tag: DUP-050124

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 20:52, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBSA*	Not detected	2.0	0.59	ng/L	1.95	30334-69-1	
PFECHS*	Not detected	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: S61596.13
Sample Tag: San-02
Collected Date/Time: 05/01/2024 11:00
Matrix: Liquid
COC Reference: 171049

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)*	12.25/6.44/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 21:12, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.5	1.9	ng/L	1.89	375-22-4	
PFPeA*	2.8	3.8	1.1	ng/L	1.89	2706-90-3	J
4:2 FTSA*	Not detected	1.9	0.19	ng/L	1.89	757124-72-4	
PFHxA*	4.8	1.9	1.1	ng/L	1.89	307-24-4	
PFBS*	5.3	1.9	0.57	ng/L	1.89	375-73-5	
PFHpA*	1.1	1.9	0.76	ng/L	1.89	375-85-9	J
PFPeS*	Not detected	1.9	1.7	ng/L	1.89	2706-91-4	
6:2 FTSA*	Not detected	1.9	0.95	ng/L	1.89	27619-97-2	
PFOA*	3.4	1.9	0.76	ng/L	1.89	335-67-1	
PFHxS*	3.0	1.9	0.95	ng/L	1.89	355-46-4	
PFHxS-LN*	1.9	1.9	0.95	ng/L	1.89	355-46-4-LN	
PFHxS-BR*	Not detected	1.9	0.95	ng/L	1.89	355-46-4-BR	
PFNA*	Not detected	1.9	0.95	ng/L	1.89	375-95-1	
8:2 FTSA*	Not detected	1.9	1.1	ng/L	1.89	39108-34-4	
PFHpS*	Not detected	1.9	0.76	ng/L	1.89	375-92-8	
PFDA*	Not detected	1.9	1.1	ng/L	1.89	335-76-2	
N-MeFOSAA*	Not detected	1.9	0.95	ng/L	1.89	2355-31-9	
EtFOSAA*	Not detected	3.8	0.95	ng/L	1.89	2991-50-6	
PFOS*	8.2	1.9	0.76	ng/L	1.89	1763-23-1	
PFOS-LN*	1.2	1.9	0.76	ng/L	1.89	1763-23-1-LN	J
PFOS-BR*	6.2	1.9	0.76	ng/L	1.89	1763-23-1-BR	
PFUnDA*	Not detected	1.9	0.76	ng/L	1.89	2058-94-8	
PFNS*	Not detected	1.9	0.95	ng/L	1.89	68259-12-1	
PFDoDA*	Not detected	1.9	0.57	ng/L	1.89	307-55-1	
PFDS*	Not detected	1.9	0.95	ng/L	1.89	335-77-3	
PFTrDA*	Not detected	1.9	0.76	ng/L	1.89	72629-94-8	
FOSA*	Not detected	1.9	0.76	ng/L	1.89	754-91-6	
PFTeDA*	Not detected	3.8	0.57	ng/L	1.89	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9	0.95	ng/L	1.89	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9	0.95	ng/L	1.89	756426-58-1	
ADONA*	Not detected	1.9	0.57	ng/L	1.89	919005-14-4	
HFPO-DA*	Not detected	9.5	1.9	ng/L	1.89	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.5	7.6	ng/L	1.89	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.5	3.8	ng/L	1.89	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.5	3.8	ng/L	1.89	356-02-5	
PFBSA*	Not detected	1.9	0.57	ng/L	1.89	30334-69-1	

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

Lab Sample ID: S61596.13 (continued)

Sample Tag: San-02

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 21:12, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	Not detected	1.9	0.76	ng/L	1.89	67584-42-3	
PFHxSA*	Not detected	1.9	0.57	ng/L	1.89	41997-13-1	

Lab Sample ID: S61596.14
Sample Tag: San-03
Collected Date/Time: 05/01/2024 11:10
Matrix: Liquid
COC Reference: 171049

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)*	11.94/6.42/11	ASTMD7979-19M	05/03/24 11:00	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 21:32, 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*	1.9	4.0	1.2	ng/L	1.99	2706-90-3	J
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.99	757124-72-4	I
PFHxA*	3.3	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	I
PFOA*	1.7	2.0	0.80	ng/L	1.99	335-67-1	J
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	I
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	I
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	I
PFTeDA*	1.2	4.0	0.60	ng/L	1.99	376-06-7	J
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	

J-Estimated value less than reporting limit, but greater than MDL
I-Matrix interference with internal standard

Lab Sample ID: S61596.14 (continued)

Sample Tag: San-03

34 PFAs, Method: ASTMD7979-19M, Run Date: 05/03/24 21:32, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBSA*	Not detected	2.0	0.60	ng/L	1.99	30334-69-1	I
PFECHS*	Not detected	2.0	0.80	ng/L	1.99	67584-42-3	
PFHxSA*	Not detected	2.0	0.60	ng/L	1.99	41997-13-1	I

I-Matrix interference with internal standard

Merit Laboratories Login Checklist

Lab Set ID: S61596
Client: RAMBOLL (Ramboll Americas - Michigan)
Project: RACER Hemphill Rd Industrial Land
Submitted: 05/01/2024 14:40 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 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 2

155553

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.:
E-MAIL ADDRESS: Kevin.Schneider@Ramboll.com QUOTE NO.:
Clifford.Yantz@Ramboll.com

INVOICE TO

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

PROJECT NO./NAME: RACER Hemphill RD Industrial Land
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 (1979)	Special Instructions
61596.01	4/29/24	1312	OBG MW-2D	GW	3	X							X	Low level Reporting
.02	4/30/24	1045	OBG MW-6D	GW	3	X							X	with estimated
.03	4/29/24	1420	OBG MW-7D	GW	3	X							X	values
.04	4/29/24	1535	OBG MW-7S	GW	3	X							X	
.05	4/30/24	1150	OBG MW-11	GW	3	X							X	34 PFAS List
.06	4/30/24	1240	OBG MW-8	GW	3	X							X	
.07	4/30/24	1332	MW-403	GW	3	X							X	
.08	4/30/24	1325	OBG MW-9	GW	3	X							X	
.09	5/1/24	950	OBG MW-5S	GW	3	X							X	
.10	5/1/24	948	Field Blank - 050124	QC	1	X							X	
.11	5/1/24	1105	OBG MW-10	GW	3	X							X	
.12	5/1/24	—	DUP-050124	GW	3	X							X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☒ Sampler	DATE 5/1/24	TIME 1330
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1334
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1440
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1440

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

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

171049

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.
E-MAIL ADDRESS: Kevin.Schneider@Ramboll.com; Clifford.Yantz@Ramboll.com | QUOTE NO.

INVOICE TO

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

PROJECT NO./NAME: RACER Hemphill Rd Industrial Land
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 (1979)
61596.13	5/1/24	1100	San-02	L	3	X							X
.14	5/1/24	1190	San-03	L	3	X							X

Special Instructions:
Low level Reporting with estimated values
34 PFAS List

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☐ Sampler	DATE 5/1/24	TIME 1330	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1720	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1741	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1440	

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-S61596-01
Generated on 05/24/2024

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): S61596.01-S61596.14
Project: RACER Hemphill Rd Industrial Land
Submitted Date/Time: 05/01/2024 14:40
Sampled by: Kevin Schneider
P.O. #: PO

QC Report Sections

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

Report Flag Descriptions

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

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

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S61596.01
Sample Tag: OBG MW-2D
Collected Date/Time: 04/29/2024 13:12
Matrix: Groundwater
COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 16:52	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S61596.02
Sample Tag: OBG MW-6D
Collected Date/Time: 04/30/2024 10:45
Matrix: Groundwater
COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 17:32	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S61596.03
Sample Tag: OBG MW-7D
Collected Date/Time: 04/29/2024 14:20
Matrix: Groundwater
COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 17:52	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.04

Sample Tag: OBG MW-7S

Collected Date/Time: 04/29/2024 15:35

Matrix: Groundwater

COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 18:12	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.05

Sample Tag: OBG MW-11

Collected Date/Time: 04/30/2024 11:50

Matrix: Groundwater

COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 18:32	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.06

Sample Tag: OBG MW-8

Collected Date/Time: 04/30/2024 12:40

Matrix: Groundwater

COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 18:52	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.07

Sample Tag: MW-403

Collected Date/Time: 04/30/2024 13:32

Matrix: Groundwater

COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 19:12	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.08

Sample Tag: OBG MW-9

Collected Date/Time: 04/30/2024 13:25

Matrix: Groundwater

COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 19:32	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.09

Sample Tag: OBG MW-5S

Collected Date/Time: 05/01/2024 09:50

Matrix: Groundwater

COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 19:52	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.10

Sample Tag: Field Blank-050124

Collected Date/Time: 05/01/2024 09:48

Matrix: Water

COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 20:12	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.11
Sample Tag: OBG MW-10
Collected Date/Time: 05/01/2024 11:05
Matrix: Groundwater
COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 20:32	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.12

Sample Tag: DUP-050124

Collected Date/Time: 05/01/2024 00:01

Matrix: Groundwater

COC Reference: 155553

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 20:52	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.13

Sample Tag: San-02

Collected Date/Time: 05/01/2024 11:00

Matrix: Liquid

COC Reference: 171049

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 21:12	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S61596.14

Sample Tag: San-03

Collected Date/Time: 05/01/2024 11:10

Matrix: Liquid

COC Reference: 171049

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	05/03/24 21:32	AK240503	PF240503W1	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: PF240503W1

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S61596.01	34 PFAs	ASTMD7979-19M	05/03/24 16:52	AK240503
S61596.02	34 PFAs	ASTMD7979-19M	05/03/24 17:32	AK240503
S61596.03	34 PFAs	ASTMD7979-19M	05/03/24 17:52	AK240503
S61596.04	34 PFAs	ASTMD7979-19M	05/03/24 18:12	AK240503
S61596.05	34 PFAs	ASTMD7979-19M	05/03/24 18:32	AK240503
S61596.06	34 PFAs	ASTMD7979-19M	05/03/24 18:52	AK240503
S61596.07	34 PFAs	ASTMD7979-19M	05/03/24 19:12	AK240503
S61596.08	34 PFAs	ASTMD7979-19M	05/03/24 19:32	AK240503
S61596.09	34 PFAs	ASTMD7979-19M	05/03/24 19:52	AK240503
S61596.10	34 PFAs	ASTMD7979-19M	05/03/24 20:12	AK240503
S61596.11	34 PFAs	ASTMD7979-19M	05/03/24 20:32	AK240503
S61596.12	34 PFAs	ASTMD7979-19M	05/03/24 20:52	AK240503
S61596.13	34 PFAs	ASTMD7979-19M	05/03/24 21:12	AK240503
S61596.14	34 PFAs	ASTMD7979-19M	05/03/24 21:32	AK240503

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.01

Sample Tag: OBG MW-2D

Collected Date/Time: 04/29/2024 13:12

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 16:52, Matrix: WW, Dilution: 1.94

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**82.5**	50.0	150.0
M2-6:2FTSA		**74.6**	50.0	150.0
M2-8:2FTSA		**82.2**	50.0	150.0
M2PFTeDA		**112.7**	12.0	218.0
M3PFBS		**97.5**	50.0	150.0
M3PFHxS		**91.9**	50.0	150.0
M4PFHpA		**97.3**	50.0	150.0
M5PFHxA		**94.3**	50.0	150.0
M5PFPeA		**98.6**	50.0	150.0
M6PFDA		**88.3**	50.0	150.0
M7PFUnDA		**98.0**	50.0	150.0
M8FOSA		**104.6**	50.0	150.0
M8PFOA		**100.4**	50.0	150.0
M8PFOS		**98.9**	50.0	150.0
M9-PFNA		**94.3**	50.0	150.0
MPFBA		**100.1**	50.0	150.0
MPFDoDA		**99.2**	50.0	150.0
d3N-MeFOSAA		**86.6**	50.0	150.0
d5EtFOSAA		**80.5**	50.0	150.0
MHFPO-DA		**98.2**	50.0	150.0
d-N-EtFOSA-M		**93.5**	50.0	150.0
d-N-MeFOSA-M		**93.8**	50.0	150.0
d7-N-MeFOSE-M		**107.2**	50.0	150.0
d9-N-EtFOSE-M		**91.3**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.02

Sample Tag: OBG MW-6D

Collected Date/Time: 04/30/2024 10:45

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 17:32, Matrix: WW, Dilution: 2.07

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**85.6**	50.0	150.0
M2-6:2FTSA		**84.8**	50.0	150.0
M2-8:2FTSA		**90.9**	50.0	150.0
M2PFTeDA		**116.2**	12.0	218.0
M3PFBS		**100.5**	50.0	150.0
M3PFHxS		**103.2**	50.0	150.0
M4PFHpA		**94.5**	50.0	150.0
M5PFHxA		**101.2**	50.0	150.0
M5PFPeA		**108.1**	50.0	150.0
M6PFDA		**92.3**	50.0	150.0
M7PFUnDA		**100.5**	50.0	150.0
M8FOSA		**113.3**	50.0	150.0
M8PFOA		**101.9**	50.0	150.0
M8PFOS		**105.6**	50.0	150.0
M9-PFNA		**100.8**	50.0	150.0
MPFBA		**101.8**	50.0	150.0
MPFDoDA		**108.2**	50.0	150.0
d3N-MeFOSAA		**103.1**	50.0	150.0
d5EtFOSAA		**81.9**	50.0	150.0
MHFPO-DA		**98.4**	50.0	150.0
d-N-EtFOSA-M		**106.8**	50.0	150.0
d-N-MeFOSA-M		**108.9**	50.0	150.0
d7-N-MeFOSE-M		**105.0**	50.0	150.0
d9-N-EtFOSE-M		**93.2**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.03

Sample Tag: OBG MW-7D

Collected Date/Time: 04/29/2024 14:20

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 17:52, Matrix: WW, Dilution: 0.959

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**85.6**	50.0	150.0
M2-6:2FTSA		**89.2**	50.0	150.0
M2-8:2FTSA		**107.1**	50.0	150.0
M2PFTeDA		**105.6**	12.0	218.0
M3PFBS		**99.7**	50.0	150.0
M3PFHxS		**99.5**	50.0	150.0
M4PFHpA		**104.4**	50.0	150.0
M5PFHxA		**100.9**	50.0	150.0
M5PFPeA		**103.1**	50.0	150.0
M6PFDA		**91.1**	50.0	150.0
M7PFUnDA		**96.5**	50.0	150.0
M8FOSA		**109.9**	50.0	150.0
M8PFOA		**96.1**	50.0	150.0
M8PFOS		**105.4**	50.0	150.0
M9-PFNA		**110.9**	50.0	150.0
MPFBA		**103.2**	50.0	150.0
MPFDoDA		**105.4**	50.0	150.0
d3N-MeFOSAA		**95.9**	50.0	150.0
d5EtFOSAA		**85.5**	50.0	150.0
MHFPO-DA		**94.9**	50.0	150.0
d-N-EtFOSA-M		**104.6**	50.0	150.0
d-N-MeFOSA-M		**103.0**	50.0	150.0
d7-N-MeFOSE-M		**99.9**	50.0	150.0
d9-N-EtFOSE-M		**94.0**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.04

Sample Tag: OBG MW-7S

Collected Date/Time: 04/29/2024 15:35

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 18:12, Matrix: WW, Dilution: 2.01

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**83.7**	50.0	150.0
M2-6:2FTSA		**88.4**	50.0	150.0
M2-8:2FTSA		**92.3**	50.0	150.0
M2PFTeDA		**97.2**	12.0	218.0
M3PFBS		**97.2**	50.0	150.0
M3PFHxS		**104.7**	50.0	150.0
M4PFHpA		**96.8**	50.0	150.0
M5PFHxA		**101.7**	50.0	150.0
M5PFPeA		**112.3**	50.0	150.0
M6PFDA		**98.9**	50.0	150.0
M7PFUnDA		**106.9**	50.0	150.0
M8FOSA		**115.5**	50.0	150.0
M8PFOA		**102.0**	50.0	150.0
M8PFOS		**112.3**	50.0	150.0
M9-PFNA		**102.1**	50.0	150.0
MPFBA		**105.1**	50.0	150.0
MPFDoDA		**107.3**	50.0	150.0
d3N-MeFOSAA		**98.4**	50.0	150.0
d5EtFOSAA		**79.8**	50.0	150.0
MHFPO-DA		**105.0**	50.0	150.0
d-N-EtFOSA-M		**99.2**	50.0	150.0
d-N-MeFOSA-M		**104.6**	50.0	150.0
d7-N-MeFOSE-M		**99.6**	50.0	150.0
d9-N-EtFOSE-M		**96.0**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.05

Sample Tag: OBG MW-11

Collected Date/Time: 04/30/2024 11:50

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 18:32, Matrix: WW, Dilution: 2.05

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**100.4**	50.0	150.0
M2-6:2FTSA		**95.2**	50.0	150.0
M2-8:2FTSA		**99.2**	50.0	150.0
M2PFTeDA		**95.1**	12.0	218.0
M3PFBS		**104.7**	50.0	150.0
M3PFHxS		**100.4**	50.0	150.0
M4PFHpA		**102.8**	50.0	150.0
M5PFHxA		**97.9**	50.0	150.0
M5PFPeA		**105.2**	50.0	150.0
M6PFDA		**94.7**	50.0	150.0
M7PFUnDA		**91.4**	50.0	150.0
M8FOSA		**110.8**	50.0	150.0
M8PFOA		**95.3**	50.0	150.0
M8PFOS		**115.2**	50.0	150.0
M9-PFNA		**103.9**	50.0	150.0
MPFBA		**108.3**	50.0	150.0
MPFDoDA		**105.0**	50.0	150.0
d3N-MeFOSAA		**100.0**	50.0	150.0
d5EtFOSAA		**79.8**	50.0	150.0
MHFPO-DA		**92.1**	50.0	150.0
d-N-EtFOSA-M		**99.0**	50.0	150.0
d-N-MeFOSA-M		**109.5**	50.0	150.0
d7-N-MeFOSE-M		**104.5**	50.0	150.0
d9-N-EtFOSE-M		**97.3**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.06

Sample Tag: OBG MW-8

Collected Date/Time: 04/30/2024 12:40

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 18:52, Matrix: WW, Dilution: 2.02

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**82.7**	50.0	150.0
M2-6:2FTSA		**85.6**	50.0	150.0
M2-8:2FTSA		**102.5**	50.0	150.0
M2PFTeDA		**103.4**	12.0	218.0
M3PFBS		**101.1**	50.0	150.0
M3PFHxS		**100.0**	50.0	150.0
M4PFHpA		**89.6**	50.0	150.0
M5PFHxA		**105.1**	50.0	150.0
M5PFPeA		**107.1**	50.0	150.0
M6PFDA		**100.9**	50.0	150.0
M7PFUnDA		**99.0**	50.0	150.0
M8FOSA		**109.7**	50.0	150.0
M8PFOA		**92.5**	50.0	150.0
M8PFOS		**104.6**	50.0	150.0
M9-PFNA		**104.4**	50.0	150.0
MPFBA		**105.6**	50.0	150.0
MPFDoDA		**102.3**	50.0	150.0
d3N-MeFOSAA		**92.7**	50.0	150.0
d5EtFOSAA		**76.7**	50.0	150.0
MHFPO-DA		**95.2**	50.0	150.0
d-N-EtFOSA-M		**96.1**	50.0	150.0
d-N-MeFOSA-M		**105.0**	50.0	150.0
d7-N-MeFOSE-M		**105.3**	50.0	150.0
d9-N-EtFOSE-M		**88.9**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.07

Sample Tag: MW-403

Collected Date/Time: 04/30/2024 13:32

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 19:12, Matrix: WW, Dilution: 1.9

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**102.2**	50.0	150.0
M2-6:2FTSA		**82.7**	50.0	150.0
M2-8:2FTSA		**86.0**	50.0	150.0
M2PFTeDA		**85.8**	12.0	218.0
M3PFBS		**99.5**	50.0	150.0
M3PFHxS		**107.9**	50.0	150.0
M4PFHpA		**105.3**	50.0	150.0
M5PFHxA		**105.3**	50.0	150.0
M5PFPeA		**110.5**	50.0	150.0
M6PFDA		**99.2**	50.0	150.0
M7PFUnDA		**110.0**	50.0	150.0
M8FOSA		**116.5**	50.0	150.0
M8PFOA		**104.1**	50.0	150.0
M8PFOS		**108.5**	50.0	150.0
M9-PFNA		**105.1**	50.0	150.0
MPFBA		**110.8**	50.0	150.0
MPFDoDA		**97.7**	50.0	150.0
d3N-MeFOSAA		**97.2**	50.0	150.0
d5EtFOSAA		**81.6**	50.0	150.0
MHFPO-DA		**113.4**	50.0	150.0
d-N-EtFOSA-M		**96.0**	50.0	150.0
d-N-MeFOSA-M		**99.0**	50.0	150.0
d7-N-MeFOSE-M		**117.7**	50.0	150.0
d9-N-EtFOSE-M		**91.8**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.08

Sample Tag: OBG MW-9

Collected Date/Time: 04/30/2024 13:25

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 19:32, Matrix: WW, Dilution: 1.99

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**95.5**	50.0	150.0
M2-6:2FTSA		**95.1**	50.0	150.0
M2-8:2FTSA		**100.9**	50.0	150.0
M2PFTeDA		**110.9**	12.0	218.0
M3PFBS		**104.7**	50.0	150.0
M3PFHxS		**112.2**	50.0	150.0
M4PFHpA		**110.4**	50.0	150.0
M5PFHxA		**107.9**	50.0	150.0
M5PFPeA		**109.0**	50.0	150.0
M6PFDA		**95.4**	50.0	150.0
M7PFUnDA		**99.5**	50.0	150.0
M8FOSA		**122.2**	50.0	150.0
M8PFOA		**108.7**	50.0	150.0
M8PFOS		**109.9**	50.0	150.0
M9-PFNA		**99.3**	50.0	150.0
MPFBA		**107.1**	50.0	150.0
MPFDoDA		**104.6**	50.0	150.0
d3N-MeFOSAA		**104.9**	50.0	150.0
d5EtFOSAA		**83.0**	50.0	150.0
MHFPO-DA		**104.3**	50.0	150.0
d-N-EtFOSA-M		**102.9**	50.0	150.0
d-N-MeFOSA-M		**106.7**	50.0	150.0
d7-N-MeFOSE-M		**116.0**	50.0	150.0
d9-N-EtFOSE-M		**99.5**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.09

Sample Tag: OBG MW-5S

Collected Date/Time: 05/01/2024 09:50

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 19:52, Matrix: WW, Dilution: 1.96

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**109.9**	50.0	150.0
M2-6:2FTSA		**94.0**	50.0	150.0
M2-8:2FTSA		**97.3**	50.0	150.0
M2PFTeDA		**118.4**	12.0	218.0
M3PFBS		**95.2**	50.0	150.0
M3PFHxS		**109.4**	50.0	150.0
M4PFHpA		**101.0**	50.0	150.0
M5PFHxA		**105.7**	50.0	150.0
M5PFPeA		**105.5**	50.0	150.0
M6PFDA		**101.2**	50.0	150.0
M7PFUnDA		**102.8**	50.0	150.0
M8FOSA		**116.0**	50.0	150.0
M8PFOA		**106.6**	50.0	150.0
M8PFOS		**111.1**	50.0	150.0
M9-PFNA		**108.7**	50.0	150.0
MPFBA		**109.0**	50.0	150.0
MPFDoDA		**111.2**	50.0	150.0
d3N-MeFOSAA		**100.1**	50.0	150.0
d5EtFOSAA		**84.1**	50.0	150.0
MHFPO-DA		**92.3**	50.0	150.0
d-N-EtFOSA-M		**104.7**	50.0	150.0
d-N-MeFOSA-M		**105.7**	50.0	150.0
d7-N-MeFOSE-M		**115.8**	50.0	150.0
d9-N-EtFOSE-M		**100.2**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.10

Sample Tag: Field Blank-050124

Collected Date/Time: 05/01/2024 09:48

Matrix: Water

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 20:12, Matrix: WW, Dilution: 2.1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**100.6**	50.0	150.0
M2-6:2FTSA		**83.5**	50.0	150.0
M2-8:2FTSA		**108.8**	50.0	150.0
M2PFTeDA		**122.4**	12.0	218.0
M3PFBS		**112.9**	50.0	150.0
M3PFHxS		**116.6**	50.0	150.0
M4PFHpA		**108.9**	50.0	150.0
M5PFHxA		**112.6**	50.0	150.0
M5PFPeA		**114.0**	50.0	150.0
M6PFDA		**103.9**	50.0	150.0
M7PFUnDA		**120.8**	50.0	150.0
M8FOSA		**128.0**	50.0	150.0
M8PFOA		**120.0**	50.0	150.0
M8PFOS		**111.1**	50.0	150.0
M9-PFNA		**118.6**	50.0	150.0
MPFBA		**117.4**	50.0	150.0
MPFDoDA		**110.6**	50.0	150.0
d3N-MeFOSAA		**101.9**	50.0	150.0
d5EtFOSAA		**95.6**	50.0	150.0
MHFPO-DA		**109.8**	50.0	150.0
d-N-EtFOSA-M		**112.2**	50.0	150.0
d-N-MeFOSA-M		**113.9**	50.0	150.0
d7-N-MeFOSE-M		**118.9**	50.0	150.0
d9-N-EtFOSE-M		**106.4**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.11

Sample Tag: OBG MW-10

Collected Date/Time: 05/01/2024 11:05

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 20:32, Matrix: WW, Dilution: 1.95

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**115.7**	50.0	150.0
M2-6:2FTSA		**101.0**	50.0	150.0
M2-8:2FTSA		**116.6**	50.0	150.0
M2PFTeDA		**100.7**	12.0	218.0
M3PFBS		**108.2**	50.0	150.0
M3PFHxS		**109.5**	50.0	150.0
M4PFHpA		**106.3**	50.0	150.0
M5PFHxA		**98.6**	50.0	150.0
M5PFPeA		**110.3**	50.0	150.0
M6PFDA		**98.4**	50.0	150.0
M7PFUnDA		**96.3**	50.0	150.0
M8FOSA		**116.4**	50.0	150.0
M8PFOA		**109.3**	50.0	150.0
M8PFOS		**113.2**	50.0	150.0
M9-PFNA		**97.5**	50.0	150.0
MPFBA		**108.5**	50.0	150.0
MPFDoDA		**104.6**	50.0	150.0
d3N-MeFOSAA		**101.9**	50.0	150.0
d5EtFOSAA		**95.3**	50.0	150.0
MHFPO-DA		**94.0**	50.0	150.0
d-N-EtFOSA-M		**99.6**	50.0	150.0
d-N-MeFOSA-M		**111.7**	50.0	150.0
d7-N-MeFOSE-M		**109.7**	50.0	150.0
d9-N-EtFOSE-M		**89.9**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.12

Sample Tag: DUP-050124

Collected Date/Time: 05/01/2024 00:01

Matrix: Groundwater

COC Reference: 155553

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 20:52, Matrix: WW, Dilution: 1.95

Internal Standard	Flags	**%Rec**	LCL	UCL
M2-4:2FTSA		**117.5**	50.0	150.0
M2-6:2FTSA		**100.4**	50.0	150.0
M2-8:2FTSA		**95.5**	50.0	150.0
M2PFTeDA		**122.7**	12.0	218.0
M3PFBS		**116.0**	50.0	150.0
M3PFHxS		**115.9**	50.0	150.0
M4PFHpA		**126.4**	50.0	150.0
M5PFHxA		**110.6**	50.0	150.0
M5PFPeA		**120.0**	50.0	150.0
M6PFDA		**110.5**	50.0	150.0
M7PFUnDA		**107.9**	50.0	150.0
M8FOSA		**123.9**	50.0	150.0
M8PFOA		**105.6**	50.0	150.0
M8PFOS		**128.2**	50.0	150.0
M9-PFNA		**115.5**	50.0	150.0
MPFBA		**114.9**	50.0	150.0
MPFDoDA		**113.2**	50.0	150.0
d3N-MeFOSAA		**99.7**	50.0	150.0
d5EtFOSAA		**82.8**	50.0	150.0
MHFPO-DA		**106.8**	50.0	150.0
d-N-EtFOSA-M		**106.8**	50.0	150.0
d-N-MeFOSA-M		**115.5**	50.0	150.0
d7-N-MeFOSE-M		**119.7**	50.0	150.0
d9-N-EtFOSE-M		**104.7**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.13

Sample Tag: San-02

Collected Date/Time: 05/01/2024 11:00

Matrix: Liquid

COC Reference: 171049

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 21:12, Matrix: WW, Dilution: 1.89

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**103.8**	50.0	150.0
M2-6:2FTSA		**97.9**	50.0	150.0
M2-8:2FTSA		**127.3**	50.0	150.0
M2PFTeDA		**113.1**	12.0	218.0
M3PFBS		**102.7**	50.0	150.0
M3PFHxS		**107.5**	50.0	150.0
M4PFHpA		**109.9**	50.0	150.0
M5PFHxA		**103.3**	50.0	150.0
M5PFPeA		**111.2**	50.0	150.0
M6PFDA		**106.7**	50.0	150.0
M7PFUnDA		**113.5**	50.0	150.0
M8FOSA		**114.6**	50.0	150.0
M8PFOA		**106.6**	50.0	150.0
M8PFOS		**102.7**	50.0	150.0
M9-PFNA		**105.7**	50.0	150.0
MPFBA		**109.8**	50.0	150.0
MPFDoDA		**119.2**	50.0	150.0
d3N-MeFOSAA		**104.3**	50.0	150.0
d5EtFOSAA		**117.1**	50.0	150.0
MHFPO-DA		**85.5**	50.0	150.0
d-N-EtFOSA-M		**112.5**	50.0	150.0
d-N-MeFOSA-M		**109.1**	50.0	150.0
d7-N-MeFOSE-M		**111.5**	50.0	150.0
d9-N-EtFOSE-M		**109.1**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S61596.14

Sample Tag: San-03

Collected Date/Time: 05/01/2024 11:10

Matrix: Liquid

COC Reference: 171049

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240503, Run Date: 05/03/2024 21:32, Matrix: WW, Dilution: 1.99

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA	*	**202.4**	50.0	150.0
M2-6:2FTSA	*	**236.9**	50.0	150.0
M2-8:2FTSA	*	**300.2**	50.0	150.0
M2PFTeDA		**147.4**	12.0	218.0
M3PFBS		**100.6**	50.0	150.0
M3PFHxS		**87.8**	50.0	150.0
M4PFHpA		**115.1**	50.0	150.0
M5PFHxA		**109.1**	50.0	150.0
M5PFPeA		**119.1**	50.0	150.0
M6PFDA		**107.6**	50.0	150.0
M7PFUnDA		**51.8**	50.0	150.0
M8FOSA	*	**159.0**	50.0	150.0
M8PFOA		**121.2**	50.0	150.0
M8PFOS		**78.1**	50.0	150.0
M9-PFNA		**137.9**	50.0	150.0
MPFBA		**82.0**	50.0	150.0
MPFDoDA		**65.4**	50.0	150.0
d3N-MeFOSAA		**133.9**	50.0	150.0
d5EtFOSAA	*	**172.9**	50.0	150.0
MHFPO-DA		**98.7**	50.0	150.0
d-N-EtFOSA-M		**92.5**	50.0	150.0
d-N-MeFOSA-M		**117.0**	50.0	150.0
d7-N-MeFOSE-M		**126.4**	50.0	150.0
d9-N-EtFOSE-M		**111.4**	50.0	150.0

QC Report - Internal Standards per QC Sample

Organics - Volatiles, Prep Batch ID: PF240503W1

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

Blank (BLK)

Lab Sample ID: AK240503.BLK240503

Run in Batch: AK240503, Run Date: 05/03/2024 15:32, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**71.8**	50.0	150.0
M2-6:2FTSA		**86.2**	50.0	150.0
M2-8:2FTSA		**83.4**	50.0	150.0
M2PFTeDA		**115.9**	12.0	218.0
M3PFBS		**98.5**	50.0	150.0
M3PFHxS		**93.2**	50.0	150.0
M4PFHpA		**98.5**	50.0	150.0
M5PFHxA		**106.6**	50.0	150.0
M5PFPeA		**109.4**	50.0	150.0
M6PFDA		**95.7**	50.0	150.0
M7PFUnDA		**101.9**	50.0	150.0
M8FOSA		**108.9**	50.0	150.0
M8PFOA		**93.4**	50.0	150.0
M8PFOS		**100.5**	50.0	150.0
M9-PFNA		**98.9**	50.0	150.0
MPFBA		**103.3**	50.0	150.0
MPFDoDA		**112.2**	50.0	150.0
d3N-MeFOSAA		**93.9**	50.0	150.0
d5EtFOSAA		**78.3**	50.0	150.0
MHFPO-DA		**104.8**	50.0	150.0
d-N-EtFOSA-M		**107.9**	50.0	150.0
d-N-MeFOSA-M		**110.7**	50.0	150.0
d7-N-MeFOSE-M		**107.5**	50.0	150.0
d9-N-EtFOSE-M		**93.6**	50.0	150.0

Laboratory Control Sample (LCS)

Lab Sample ID: AK240503.LCS240503

Run in Batch: AK240503, Run Date: 05/03/2024 14:52, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**82.1**	50.0	150.0
M2-6:2FTSA		**89.2**	50.0	150.0
M2-8:2FTSA		**90.7**	50.0	150.0
M2PFTeDA		**96.8**	12.0	218.0
M3PFBS		**98.4**	50.0	150.0
M3PFHxS		**101.8**	50.0	150.0
M4PFHpA		**90.2**	50.0	150.0
M5PFHxA		**95.4**	50.0	150.0
M5PFPeA		**98.5**	50.0	150.0
M6PFDA		**86.9**	50.0	150.0
M7PFUnDA		**92.0**	50.0	150.0
M8FOSA		**99.7**	50.0	150.0
M8PFOA		**96.6**	50.0	150.0
M8PFOS		**98.2**	50.0	150.0
M9-PFNA		**91.6**	50.0	150.0
MPFBA		**96.6**	50.0	150.0
MPFDoDA		**92.3**	50.0	150.0
d3N-MeFOSAA		**88.2**	50.0	150.0
d5EtFOSAA		**76.3**	50.0	150.0
MHFPO-DA		**86.2**	50.0	150.0
d-N-EtFOSA-M		**97.9**	50.0	150.0
d-N-MeFOSA-M		**99.1**	50.0	150.0
d7-N-MeFOSE-M		**101.2**	50.0	150.0
d9-N-EtFOSE-M		**92.5**	50.0	150.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK240503.LCSD240503, Parent Sample ID: AK240503.LCS240503

Run in Batch: AK240503, Run Date: 05/03/2024 15:12, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**82.6**	50.0	150.0
M2-6:2FTSA		**77.0**	50.0	150.0
M2-8:2FTSA		**85.7**	50.0	150.0
M2PFTeDA		**99.7**	12.0	218.0
M3PFBS		**96.9**	50.0	150.0
M3PFHxS		**104.5**	50.0	150.0
M4PFHpA		**88.7**	50.0	150.0
M5PFHxA		**91.7**	50.0	150.0
M5PFPeA		**101.2**	50.0	150.0
M6PFDA		**89.1**	50.0	150.0
M7PFUnDA		**89.3**	50.0	150.0
M8FOSA		**107.1**	50.0	150.0
M8PFOA		**87.9**	50.0	150.0
M8PFOS		**111.7**	50.0	150.0
M9-PFNA		**93.1**	50.0	150.0
MPFBA		**96.9**	50.0	150.0
MPFDoDA		**97.2**	50.0	150.0
d3N-MeFOSAA		**85.1**	50.0	150.0
d5EtFOSAA		**91.5**	50.0	150.0
MHFPO-DA		**96.8**	50.0	150.0
d-N-EtFOSA-M		**100.9**	50.0	150.0
d-N-MeFOSA-M		**99.4**	50.0	150.0
d7-N-MeFOSE-M		**106.5**	50.0	150.0
d9-N-EtFOSE-M		**99.3**	50.0	150.0

Matrix Spike (MS)

Lab Sample ID: AK240503.6159601M, Parent Sample ID: S61596.01

Run in Batch: AK240503, Run Date: 05/03/2024 17:12, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1.94

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**83.8**	50.0	150.0
M2-6:2FTSA		**74.0**	50.0	150.0
M2-8:2FTSA		**81.4**	50.0	150.0
M2PFTeDA		**86.3**	12.0	218.0
M3PFBS		**97.6**	50.0	150.0
M3PFHxS		**104.3**	50.0	150.0
M4PFHpA		**89.8**	50.0	150.0
M5PFHxA		**99.9**	50.0	150.0
M5PFPeA		**102.0**	50.0	150.0
M6PFDA		**94.7**	50.0	150.0
M7PFUnDA		**98.0**	50.0	150.0
M8FOSA		**102.5**	50.0	150.0
M8PFOA		**94.5**	50.0	150.0
M8PFOS		**98.7**	50.0	150.0
M9-PFNA		**98.4**	50.0	150.0
MPFBA		**98.1**	50.0	150.0
MPFDoDA		**97.2**	50.0	150.0
d3N-MeFOSAA		**90.0**	50.0	150.0
d5EtFOSAA		**73.4**	50.0	150.0
MHFPO-DA		**102.1**	50.0	150.0
d-N-EtFOSA-M		**97.0**	50.0	150.0
d-N-MeFOSA-M		**101.5**	50.0	150.0
d7-N-MeFOSE-M		**94.5**	50.0	150.0
d9-N-EtFOSE-M		**84.8**	50.0	150.0

Duplicate (DUP)

Lab Sample ID: AK240503.6162801D, Parent Sample ID: S61628.01

Run in Batch: AK240503, Run Date: 05/03/2024 16:32, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1.96

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**74.9**	50.0	150.0
M2-6:2FTSA		**77.1**	50.0	150.0
M2-8:2FTSA		**88.5**	50.0	150.0
M2PFTeDA		**81.7**	12.0	218.0
M3PFBS		**98.0**	50.0	150.0
M3PFHxS		**94.6**	50.0	150.0
M4PFHpA		**98.1**	50.0	150.0
M5PFHxA		**93.7**	50.0	150.0
M5PFPeA		**108.7**	50.0	150.0
M6PFDA		**99.2**	50.0	150.0
M7PFUnDA		**92.1**	50.0	150.0
M8FOSA		**100.7**	50.0	150.0
M8PFOA		**103.9**	50.0	150.0
M8PFOS		**108.5**	50.0	150.0
M9-PFNA		**101.8**	50.0	150.0
MPFBA		**99.8**	50.0	150.0
MPFDoDA		**98.3**	50.0	150.0
d3N-MeFOSAA		**94.5**	50.0	150.0
d5EtFOSAA		**80.7**	50.0	150.0
MHFPO-DA		**88.7**	50.0	150.0
d-N-EtFOSA-M		**96.0**	50.0	150.0
d-N-MeFOSA-M		**102.0**	50.0	150.0
d7-N-MeFOSE-M		**100.8**	50.0	150.0
d9-N-EtFOSE-M		**90.9**	50.0	150.0

Organics - Volatiles, Prep Batch ID: PF240503W1

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

Blank (BLK)

Lab Sample ID: AK240503.BLK240503

Run in Batch: AK240503, Run Date: 05/03/2024 15:32, Prep Date: 05/03/2024, 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
ADONA		ND	2	ng/l
PFPeS		ND	2	ng/l
PFBSA		ND	2	ng/l
6:2 FTSA		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
8:2 FTSA		ND	2	ng/l
PFECHS		ND	2	ng/l
PFHpS		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
PFDA		ND	2	ng/l
PFOS-BR		ND	2	ng/l
EtFOSAA		ND	4	ng/l
PFOS		ND	2	ng/l
PFHxSA		ND	2	ng/l
PFOS-LN		ND	2	ng/l
PFUnDA		ND	2	ng/l
9CL-PF3ONS		ND	2	ng/l
PFNS		ND	2	ng/l
PFDoDA		ND	2	ng/l
PFDS		ND	2	ng/l
PFTrDA		ND	2	ng/l
FOSA		ND	2	ng/l
11CL-PF3OUdS		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: PF240503W1 (continued)

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

Blank (BLK) (continued)

Lab Sample ID: AK240503.BLK240503

Run in Batch: AK240503, Run Date: 05/03/2024 15:32, Prep Date: 05/03/2024, 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: AK240503.LCS240503

Run in Batch: AK240503, Run Date: 05/03/2024 14:52, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		101.4	70.0	130.0
PFMPA		78.0	70.0	130.0
FPrPA (3:3 FTCA)		87.0	70.0	130.0
PFPrS		95.4	70.0	130.0
PFPeA		96.4	70.0	130.0
PFMBA		84.4	70.0	130.0
4:2 FTSA		99.6	70.0	130.0
NFDHA		100.4	70.0	130.0
PFHxA		94.6	70.0	130.0
PFBS		92.0	70.0	130.0
HFPO-DA		88.8	70.0	130.0
FPePA (5:3 FTCA)		73.6	70.0	130.0
PFEESA		83.2	70.0	130.0
PFHpA		113.6	70.0	130.0
ADONA		87.6	70.0	130.0
PFPeS		90.6	70.0	130.0
PFBSA		94.6	70.0	130.0
6:2 FTSA		93.2	70.0	130.0
PFOA		81.2	70.0	130.0
PFHxS		83.2	70.0	130.0
FHpPA (7:3 FTCA)		84.0	70.0	130.0
PFNA		105.2	70.0	130.0
8:2 FTSA		95.2	70.0	130.0
PFECHS		104.6	70.0	130.0
PFHpS		95.4	70.0	130.0
N-MeFOSAA		111.4	70.0	130.0
PFDA		98.6	70.0	130.0
EtFOSAA		107.8	70.0	130.0
PFOS		105.0	70.0	130.0
PFHxSA		90.6	70.0	130.0
PFUnDA		113.2	70.0	130.0
9CL-PF3ONS		104.0	70.0	130.0
PFNS		100.0	70.0	130.0
PFDoDA		106.2	70.0	130.0
PFDS		116.2	70.0	130.0
PFTrDA		100.8	70.0	130.0
FOSA		97.2	70.0	130.0
11CL-PF3OUdS		98.2	70.0	130.0
PFTeDA		97.2	70.0	130.0

Organics - Volatiles, Prep Batch ID: PF240503W1 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK240503.LCS240503

Run in Batch: AK240503, Run Date: 05/03/2024 14:52, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFDOS		110.0	70.0	130.0
NMeFOSE		110.2	70.0	130.0
NMeFOSAM		93.8	70.0	130.0
NEtFOSE		101.2	70.0	130.0
NEtFOSAM		95.0	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK240503.LCSD240503, Parent Sample ID: AK240503.LCS240503

Run in Batch: AK240503, Run Date: 05/03/2024 15:12, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		110.4	70.0	130.0	8.5	30.0
PFMPA		70.6	70.0	130.0	10.0	30.0
FPrPA (3:3 FTCA)		87.6	70.0	130.0	0.7	30.0
PFPrS		102.2	70.0	130.0	6.9	30.0
PFPeA		101.0	70.0	130.0	4.7	30.0
PFMBA		78.4	70.0	130.0	7.4	30.0
4:2 FTSA		96.8	70.0	130.0	2.9	30.0
NFDHA		91.6	70.0	130.0	9.2	30.0
PFHxA		102.8	70.0	130.0	8.3	30.0
PFBS		94.4	70.0	130.0	2.6	30.0
HFPO-DA		95.4	70.0	130.0	7.2	30.0
FPePA (5:3 FTCA)	*	101.8	70.0	130.0	32.2	30.0
PFEESA		78.4	70.0	130.0	5.9	30.0
PFHpA		103.4	70.0	130.0	9.4	30.0
ADONA		105.0	70.0	130.0	18.1	30.0
PFPeS		93.2	70.0	130.0	2.8	30.0
PFBSA		96.8	70.0	130.0	2.3	30.0
6:2 FTSA		106.4	70.0	130.0	13.2	30.0
PFOA		94.2	70.0	130.0	14.8	30.0
PFHxS		92.8	70.0	130.0	10.9	30.0
FHpPA (7:3 FTCA)		92.6	70.0	130.0	9.7	30.0
PFNA		103.0	70.0	130.0	2.1	30.0
8:2 FTSA		105.2	70.0	130.0	10.0	30.0
PFECHS		85.4	70.0	130.0	20.2	30.0
PFHpS		99.8	70.0	130.0	4.5	30.0
N-MeFOSAA		119.8	70.0	130.0	7.3	30.0
PFDA		101.6	70.0	130.0	3.0	30.0
EtFOSAA		88.2	70.0	130.0	20.0	30.0
PFOS		97.6	70.0	130.0	7.3	30.0
PFHxSA		90.0	70.0	130.0	0.7	30.0
PFUnDA		120.0	70.0	130.0	5.8	30.0
9CL-PF3ONS		97.4	70.0	130.0	6.6	30.0
PFNS		95.8	70.0	130.0	4.3	30.0
PFDoDA		103.8	70.0	130.0	2.3	30.0
PFDS		98.6	70.0	130.0	16.4	30.0
PFTrDA		109.4	70.0	130.0	8.2	30.0

Organics - Volatiles, Prep Batch ID: PF240503W1 (continued)

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

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK240503.LCSD240503, Parent Sample ID: AK240503.LCS240503

Run in Batch: AK240503, Run Date: 05/03/2024 15:12, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
FOSA		94.8	70.0	130.0	2.5	30.0
11CL-PF3OUdS		89.4	70.0	130.0	9.4	30.0
PFTeDA		95.0	70.0	130.0	2.3	30.0
PFDOS		99.2	70.0	130.0	10.3	30.0
NMeFOSE		101.6	70.0	130.0	8.1	30.0
NMeFOSAM		92.0	70.0	130.0	1.9	30.0
NEtFOSE		89.8	70.0	130.0	11.9	30.0
NEtFOSAM		101.2	70.0	130.0	6.3	30.0

Matrix Spike (MS)

Lab Sample ID: AK240503.6159601M, Parent Sample ID: S61596.01

Run in Batch: AK240503, Run Date: 05/03/2024 17:12, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1.94

Analyte	Flags	% Rec	LCL	UCL
PFBA		103.1	70.0	130.0
PFPeA		94.8	70.0	130.0
4:2 FTSA		86.6	70.0	130.0
PFHxA		89.7	70.0	130.0
PFBS		87.6	70.0	130.0
PFHpA		113.4	70.0	130.0
PFPeS		94.8	70.0	130.0
6:2 FTSA		103.1	70.0	130.0
PFOA		94.8	70.0	130.0
PFHxS		94.8	70.0	130.0
PFNA		95.9	70.0	130.0
8:2 FTSA		101.0	70.0	130.0
PFHpS		97.9	70.0	130.0
PFDA		95.9	70.0	130.0
N-MeFOSAA		103.1	70.0	130.0
EtFOSAA		103.1	70.0	130.0
PFOS		103.1	70.0	130.0
PFUnDA		99.0	70.0	130.0
PFNS		97.9	70.0	130.0
PFDoDA		91.8	70.0	130.0
PFDS		113.4	70.0	130.0
PFTrDA		95.9	70.0	130.0
FOSA		95.9	70.0	130.0
PFTeDA		81.4	70.0	130.0
11CL-PF3OUdS		96.9	70.0	130.0
9CL-PF3ONS		113.4	70.0	130.0
ADONA		89.7	70.0	130.0
HFPO-DA		84.5	70.0	130.0
FHpPA (7:3 FTCA)		75.3	70.0	130.0
FPePA (5:3 FTCA)		84.5	70.0	130.0
FPrPA (3:3 FTCA)		82.5	70.0	130.0
PFBSA		94.8	70.0	130.0
PFECHS		97.9	70.0	130.0

Organics - Volatiles, Prep Batch ID: PF240503W1 (continued)

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

Matrix Spike (MS) (continued)

Lab Sample ID: AK240503.6159601M, Parent Sample ID: S61596.01

Run in Batch: AK240503, Run Date: 05/03/2024 17:12, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1.94

Analyte	Flags	% Rec	LCL	UCL
PFHxSA		85.6	70.0	130.0

Duplicate (DUP)

Lab Sample ID: AK240503.6162801D, Parent Sample ID: S61628.01

Run in Batch: AK240503, Run Date: 05/03/2024 16:32, Prep Date: 05/03/2024, Matrix: WW, Dilution: 1.96

Analyte	Flags	RPD	RPD CL
PFBA		NC	30.0
PFPeA		NC	30.0
4:2 FTSA		NC	30.0
PFHxA		NC	30.0
PFBS		NC	30.0
PFHpA		NC	30.0
PFPeS		NC	30.0
6:2 FTSA		NC	30.0
PFOA		NC	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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Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 2

155553

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.:
E-MAIL ADDRESS: Kevin.Schneider@Ramboll.com QUOTE NO.:
Clifford.Yantz@Ramboll.com

INVOICE TO

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

PROJECT NO./NAME: RACER Hemphill RD Industrial Land
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 (1979)	Special Instructions
61596.01	4/29/24	1312	OBG MW-2D	GW	3	X							X	Low level Reporting
.02	4/30/24	1045	OBG MW-6D	GW	3	X							X	with estimated
.03	4/29/24	1420	OBG MW-7D	GW	3	X							X	values
.04	4/29/24	1535	OBG MW-7S	GW	3	X							X	
.05	4/30/24	1150	OBG MW-11	GW	3	X							X	34 PFAS List
.06	4/30/24	1240	OBG MW-8	GW	3	X							X	
.07	4/30/24	1332	MW-403	GW	3	X							X	
.08	4/30/24	1325	OBG MW-9	GW	3	X							X	
.09	5/1/24	950	OBG MW-5S	GW	3	X							X	
.10	5/1/24	948	Field Blank - 050124	QC	1	X							X	
.11	5/1/24	1105	OBG MW-10	GW	3	X							X	
.12	5/1/24	—	DUP-050124	GW	3	X							X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☒ Sampler	DATE 5/1/24	TIME 1330
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1334
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1440
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1440

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

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Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 2 OF 2

171049

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.
E-MAIL ADDRESS: Kevin.Schneider@Ramboll.com; Clifford.Yantz@Ramboll.com | QUOTE NO.

INVOICE TO

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

PROJECT NO./NAME: RACER Hemphill Rd Industrial Land
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

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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 (1979)
61596.13	5/1/24	1100	San-02	L	3	X							X
.14	5/1/24	1190	San-03	L	3	X							X

Special Instructions:
Low level Reporting with estimated values
34 PFAS List

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☐ Sampler	DATE 5/1/24	TIME 1330	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1720	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1741	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 5/1/24	TIME 1440	

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

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