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ENVIRONMENT
& HEALTH

Transmitted via email

Mr. Brian Zuber
Senior Environmental Quality Analyst
Emerging Pollutants Section, WRD
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PO Box 30473
Lansing, MI 48909-7974

Ms. Nicole Sanabria & Ms. Christina Hebert
Geologist and Environmental Quality Analyst
Materials Management Division
Department of Environment, Great Lakes,
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PO Box 30241
Lansing, MI 48909-7741

RE: Corrective Action Plan – South and West of Site Storm Sewer Evaluation Update
Coldwater Road Site
6220 Horton Street, Mount Morris, MI
MID 005 356 860

Date April 17, 2024

Dear Mr. Zuber, Ms. Sanabria, & Ms. Hebert:

On behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust, Ramboll Americas Engineering Solutions, Inc. (Ramboll) is providing the following update to the September 11, 2023, South of Site Evaluation Update related to the storm sewer system south of Coldwater Road at the RACER Coldwater Road Facility located at 6220 Horton Street, Mount Morris, Genesee County, Michigan (Site).

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Additional storm water sewer plugging activities and sample collection were completed to provide further corrective measures and information to the South of Site Evaluation Letter and Task 1 of the June 3, 2022, Corrective Action Plan (CAP) submitted to the Michigan Department of Environmental, Great Lakes, and Energy (EGLE) Water Resources Division, via MiEnviro to address Violation Notice (No. VN-012757) dated May 4, 2022.

The evaluation was also conducted in response to the analytical results from per- and polyfluoroalkyl substances (PFAS), specifically perfluorooctanesulfonic acid (PFOS), samples collected on September 22, 2021 by EGLE along the Cornwell Drain.

The purpose of this letter is to provide more details regarding the sewer plugging activities and additional sample collection information related to the storm sewer system along the southern Site boundary east of the middle entry drive and south of Coldwater Road. A brief summary of the plugging activities was included in the January 22, 2024 PFAS Status Update. Also included in this letter is a summary of the results collected west of the Site from the storm sewer line along the eastern side of Saginaw Road, which was part of the previous lining activities.

Sewer Plugging Activities

After further review of the pipes entering the manhole where SS-02/SS-14 are located, (See **Figure 1**) samples were collected after a rain event on August 7, 2023 from a 4-inch clay tile road base/gravel drain entering the manhole from the northeast (SS-22) and of the southern discharge from the manhole (SS-23) to allow for evaluation of possible other causes of the PFOS concentrations observed in the storm water flowing away from the Site. At sample location SS-22 PFOS was detected at a concentration of 320 ng/l and at SS-23 PFOS was detected at a concentration of 60 ng/l.

Based on the analytical results from SS-22 and SS-23, it appeared that the clay tile road base/gravel drain was contributing to the PFOS concentrations in the storm water flowing away from the Site. Therefore, on October 18, 2023, the clay tile pipe was inspected via closed-circuit television (CCTV) to help understand where the pipe leads and allow for evaluating the most effective way to plug the pipe.

During the initial camera inspection, the sewer services contractor, Monchilov Sewer Services LLC (Monchilov) was only able to push the camera 30 feet into the pipe until the camera was stopped by a blockage. On October 19, 2023, a second attempt to inspect the pipe was made by first jetting the pipe with water, prior to the camera inspection. It was observed that the pipe was broken at 50 feet and that the entire length of the pipe could not be inspected. During the second attempt the camera was only able to inspect up to 60 feet into the pipe.

Based on the information gathered from the CCTV inspection, it was recommended by Monchilov that the most effective method to plug the sewer would be to install a tremie pipe into the pipe and fill the accessible 60-foot length of pipe with a water reactive expanding resin (i.e., foam) to seal the pipe and the void caused by broken pipe and/or leaking joints within the sewer. This work was completed on October 19, 2023 following the CCTV inspection by first installing a tremie pipe 60 feet into the pipe from manhole SS-02 and then by filling the pipe back to the SS-02 manhole with the resin. No leaks have been observed coming from the 4-inch drainpipe since the plugging activities were complete.

In addition to plugging the 4-inch drainpipe, two 10-inch concrete storm sewer lines near the southeast boundary of the Site along Coldwater Road were exposed and plugged to prevent storm water from leaving the Site on November 30, 2023. Prior to exposing the pipes, the approximate coordinates of the storm sewer lines were gathered using geographic information systems mapping (GIS). The locations were next marked in the field with a stake placed at each location. Once the locations were marked, a MissDig ticket was ordered to flag any utilities in the area. In addition, a right-of-way (ROW) permit was obtained on November 21, 2023 (Permit #2023R0870) from the Genesee County Road Commission to allow the work within the ROW of Coldwater Road.

The two 10-inch storm sewers were exposed as close to Coldwater Road (actual road) as possible, but not so close that would cause issues for the road, and a safe distance from any marked utilities (see **Figure 1** for location of the plugged lines). The storm sewer lines were exposed by digging test pits using a mini excavator. The approximate depth of the storm sewer lines ranged from 6 to 9 feet, and the excavations were sloped to allow entrance into the excavations.

Once each line was located, the pipe was breached, and a five-foot section of pipe was removed. The ends of the exposed sewers, both upstream and downstream were plugged by hand packing approximately 2 feet of high strength cement into the pipe ends. Several attempts were made to locate

two east-west oriented lines that supposedly connected the various manholes located in the front lawn of the former automotive plant; however, neither east-west oriented sewer could be located. At the eastern most storm sewer line supposed location a test pit was excavated on December 1, 2023 to a depth of approximately 12 feet without any evidence of the sewer or a former trench in the area. Therefore, these lines were not located and it is presumed that they were previously removed during construction of the new (current) Coldwater Road.

To keep water from entering the plugged sewer lines, the pipes leaving the three manholes located in the lawn area were plugged by hand packing cement into the lines entering and/or leaving the manholes. This work was also completed on November 30, 2023.

Sample Collection

On December 18, 2023, six storm water samples were collected from the storm water system south of the southern Site boundary. MW-10E-W, SS-14, and SS-23 were collected along Coldwater Road near the southern Site boundary. SS-12, SS-15, and SS-16 were collected along Harry Street south of Coldwater Road from storm water flowing away from the Site. A storm water sample was also collected from SS-10 (see **Figure 2** for SS-10 sample location) from the storm sewer line along the eastern side of Saginaw Road west of Site, which was part of the lining activities. This location is sampled to further evaluate the effectiveness of the lining activities.

Prior to collecting the samples for the events there was approximately 0.12 inches of precipitation on December 17, 2023 and 0.18 inches of precipitation on December 18, 2023 in the area. The sample location SS-11 on East Kurtz Avenue west of Harry Street (and EGLE's CD-10 sample location) had no flow or standing water and was not sampled.

The sample collection was completed following the protocols set forth in the EGLE Michigan PFAS Action Response Team (MPART) Surface Water PFAS Sampling Guidance dated October 2022 and Ramboll's PFAS Sampling Field Guidance Document Number 1.07.

Samples were collected either by using the direct sampling method of collecting the water directly into the sample container or by using a peristaltic pump and high-density polyethylene tubing that was weighted down with a stainless-steel weight and lowered into the manhole.

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.

Analytical Results

The storm water samples were analyzed for PFAS by method ASTMD7979-19 (no preservative). The analytical results for the recent storm water samples and historical storm water samples collected south of the Site are summarized in **Table 1**, the samples collected west of the Site are summarized in **Table 2,** and the analytical laboratory report is included in **Appendix A**.

During the December 18, 2023 sampling event the samples collected along Harry Street from storm water flowing away from the Site: SS-12 (22 ng/l PFOS), SS-15 (23 ng/l PFOS), and SS-16 (30 ng/l PFOS), and storm water samples collected along Coldwater Road near the southern Site boundary: MH-

10E-W (22 ng/l PFOS), SS-14 (17 ng/l PFOS), and SS-23 (32 ng/l) were detected above the Rule 57 Water Quality Value of 12 ng/l for PFOS, yet concentrations were lower compared to historical sample results.

Prior to the October and November plugging activities described above, the highest PFOS concentrations detected at each sample location along Harry Street from storm water flowing away from the Site were 190 ng/l PFOS at SS-12 (8/4/2022), 220 ng/l PFOS at SS-15 (8/4/2022), and 99 ng/l PFOS at SS-16 (1/4/2023).

The PFOS concentration of sample SS-10 collected along Saginaw Road west of the Site was 11 ng/l, which is the same result as on June 27, 2023, and consistent with post-lining sample results.

Conclusions and Recommendations

Based on the analytical results and further reduction of flow discharging to the municipal system from the Site, it appears that the latest plugging activities along the north side of Coldwater Road have successfully improved the quality of the sewer results and decreased the PFOS mass (i.e., a significant reduction in the concentrations detected in the sewers and the flow rate of PFOS-impacted water into the sewers).

The PFOS concentrations decreased compared to the last event and since plugging activities completed in October and November 2023. The concentrations detected were the lowest since the March 2023 event, when the flow was much higher due to rain and snow melt. The storm water flow was moderate or average during the most recent event, and similar to the last events on June 27, 2023 and August 7, 2023.

To allow for evaluation of concentration variability and trends, we propose to collect another round of samples from sample location SS-10 west of the Site, and from sample locations SS-12, SS-14, SS-15, SS-16, MW-10E-W, and SS-23 in June 2024. An update similar to this one will be provided within approximately four weeks of receipt of the analytical results from the laboratory.

If you would like a paper copy of any of the attached information let me know. Please contact me at 313-333-0211 or clifford.yantz@ramboll.com or Brendan Mullen with RACER at bmullen@racertrust.org or 201-247-4890, if you have any questions.

Yours sincerely,

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

Clifford Yantz
Project Manager
1943864 - MIDWEST EAST Resources 056

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cc:

Brendan Mullen (RACER Trust)
David Favero (RACER Trust)
Kevin Schneider (Ramboll)

Enclosures:

Table 1 – South of Site Storm Water PFAS Sample Results
Table 2 – West of Site Storm Water PFAS Sample Results
Figure 1 – Storm Water Sewers – Horton Street to Dort Highway
Figure 2 – Storm Water Sewers – West of Site
Appendix A – Analytical Laboratory Report

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TABLES

TABLE 1
RACER Trust - Coldwater Road Peregrine Facilities
Per-and Polyfluoroalkyl Substances Sampling Results - Storm Water Samples South Portion of Site

Coldwater Road - Storm Water Samples - South Portion of Site

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Groundwater Surface Water Interface Criteria / Rule 57 Surface Water Quality Values	SS-02 (Storm Sewer) 11/12/2018	SS-02 (DUP-1) (Storm Sewer) 11/12/2018	SS-02 (Storm Sewer) 12/21/2021	SS-04 (Storm Sewer) 3/19/2020	SS-DUP-2/SS-04 (Storm Sewer) 3/19/2020	SS-08 (Storm Sewer) 8/28/2020	SS-11 (Storm Water) 4/14/2022
Perfluorobutanoic Acid (PFBA)	--	**20**	**20**	**13**	<100	<100	<10	<9.8
Perfluoropentanoic Acid (PFPeA)	--	<10	<10	**6.1**	<10	<10	<4.1	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
Perfluorohexanoic Acid (PFHxA)	--	**10**	**10**	**4.5**	<10	<10	<2.1	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	<10	<10	**3.1**	<10	<10	<2.1	**82**
Perfluoroheptanoic Acid (PFHpA)	--	<10	<10	**2.2**	<10	<10	<2.1	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<10	<10	<4.2	<10	<10	<2.1	<2.0
Perfluorooctanoic Acid (**PFOA**)	**170**	**20**	**20**	**4.8**	<10	<10	**1.9 J**	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**20**	**20**	**3.7**	<10	<10	<2.1	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**20**	**20**	**2.8**	<10	<10	<2.1	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
Perfluorononanoic Acid (PFNA)	**30**	<10	<10	<2.1	<10	<10	<2.1	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<10	<10	<4.2	<10	<10	<2.1	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	**10**	<10	<2.1	<10	<10	<2.1	<2.0
Perfluorodecanoic Acid (PFDA)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<10	<10	<4.2	<10	<10	<4.1	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**1520**	**1250**	**86**	<10	<10	**7.3**	**4.8**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**1160**	**950**	**62**	<10	<10	**4.1**	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**380**	**280**	**24**	<10	<10	**2.8**	**4.1**
Perfluoroundecanoic Acid (PFUnDA)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<10	<10	<2.1	<10	<10	<2.1	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<10	<10	<4.2	<10	<10	<4.1	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	--	<2.1	<10	<10	<2.1	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	--	--	<2.1	<10	<10	<2.1	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	<2.1	<10	<10	<2.1	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	--	--	--	<10	<10	<10	<2.1	<3.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	**1600.0**	**1320.0**	**123.4**	**0.0**	**0.0**	**9.2**	**86.8**

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, December 21, 2020 and Rule 57 Surface Water Quality Values.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) B - Compound also found in associated method blank.
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.
12) Light gray header is most recent sampling event result.
13) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

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TABLE 1
RACER Trust - Coldwater Road Peregrine Facilities
Per-and Polyfluoroalkyl Substances Sampling Results - Storm Water Samples South Portion of Site

Coldwater Road - Storm Water Samples - South Portion of Site

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Groundwater Surface Water Interface Criteria / Rule 57 Surface Water Quality Values	SS-12 (Storm Sewer) 4/14/2022	SS-12 (Storm Sewer) 6/22/2022	SS-12 (Storm Sewer) 8/4/2022	SS-12 (Storm Sewer) 1/4/2023	SS-12 (Storm Sewer) 3/23/2023	SS-12 (Storm Sewer) 6/27/2023	SS-12 (Storm Sewer) 8/7/2023	SS-12 (Storm Sewer) 12/18/2023
Perfluorobutanoic Acid (PFBA)	--	<9.8	<11	<10	<10.0	<10	<10.0	<15 X	<9.8
Perfluoropentanoic Acid (PFPeA)	--	**2.1 J**	**4.0 J**	**4.2**	**1.1 J**	<4.0	**2.9 J**	<3.9	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	--	**3.3**	**5.2**	**4.2**	**2.6**	**2.0 J**	**2.7**	<2.0	**2.0**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**2.0**	**5.6**	**3.9**	**2.6**	<2.0	**4.4**	**2.3**	**2.1**
Perfluoroheptanoic Acid (PFHpA)	--	**2.1**	**2.7**	**2.7**	<2.0	<2.0	**1.7**	<2.0	<3.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**170**	**5.8**	**11**	**7.5**	**2.1**	<2.0	**3.6**	**4.2**	**1.5 J**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**2.8**	**3.5**	**3.0**	**1.6 J**	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**1.7 J**	**2.8**	**2.4**	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<3.9	<4.2	<4.1	<4.0	<4.0	<4.0	<3.9	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**140**	**91**	**190**	**86**	**34**	**64**	**93**	**22**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**100**	**63**	**140**	**68**	**28**	**46**	**71**	**16**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**34**	**28**	**44**	**17**	**6**	**17**	**19**	**5.7**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.9	<4.2	<4.1	<4.0	<4.0	<4.0	<3.9	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<3.9	<11	<10	<10.0	<2.0	<2.0	<2.0	<9.8
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	<4.0	<3.9	<9.8
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	<4.0	<3.9	<9.8
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	<4.0	<3.9	<9.8
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	<2.0	<2.0	**0.71 J**
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	**19**	**17**	**11**
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	<2.0	<2.0	<2.0
Total Per-and Polyfluoroalkyl Substances	--	**158.1**	**123.0**	**215.5**	**96.0**	**36.0**	**98.3**	**116.5**	**39.3**

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, December 21, 2020 and Rule 57 Surface Water Quality Values.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) B - Compound also found in associated method blank.
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.
12) Light gray header is most recent sampling event result.
13) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

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Per-and Polyfluoroalkyl Substances Sampling Results - Storm Water Samples South Portion of Site

Coldwater Road - Storm Water Samples - South Portion of Site

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Groundwater Surface Water Interface Criteria / Rule 57 Surface Water Quality Values	SS-13 (Storm Sewer) 5/16/2022	SS-13 (Storm Sewer) 8/4/2022	SS-14 (Storm Sewer) 5/16/2022	SS-14 (Storm Sewer) 6/22/2022	SS-14 (Storm Sewer) 8/4/2022	SS-14 (Storm Sewer) 1/4/2023	SS-14 (Storm Sewer) 3/23/2023	SS-14 (Storm Sewer) 6/27/2023	SS-14 (Storm Sewer) 8/7/2023	SS-14 (Storm Sewer) 12/18/2023
Perfluorobutanoic Acid (PFBA)	--	<39	<10	**14**	**12**	<10	<10	<10	<9.7	<21 X	<10
Perfluoropentanoic Acid (PFPeA)	--	<3.9	**1.6 J**	**2.1 J**	**5.2**	**3.5 J**	<4.0	<4.0	**3.0 J**	<3.8	<4.1
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorohexanoic Acid (PFHxA)	--	**2.5**	**3.2**	**4.3**	**7.0**	**3.5**	**2.2**	**2.0**	**2.7**	**3.0**	**1.7 J**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	<2.0	**3.5**	**2.8**	**6.7**	**3.5**	**2.5**	<2.0	**6.3**	**3.3**	**2.3**
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	**1.8 J**	**2.3**	**5.0**	**2.9**	<2.0	<2.0	**2.4**	**2.7**	<4.1
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorooctanoic Acid (**PFOA**)	**170**	<2.0	**4.8**	**8.4**	**15**	**5.1**	**2.1**	<2.0	**4.7**	**6.0**	**1.6 J**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	<2.0	**3.5**	**1.8 J**	**4.5**	**2.1**	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	**2.5**	<2.1	**3.7**	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<3.9	<4.0	<4.1	<4.1	<4.0	<4.0	<4.0	<3.9	<3.8	<4.1
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**20**	**25**	**30**	**39**	**21**	**12**	**6.3**	**24**	**33**	**17**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**16**	**17**	**20**	**24**	**13**	**7.1**	**3.8**	**14**	**22**	**12**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**4.0**	**6.7**	**9.1**	**14**	**8**	**5.4**	**2.5**	**9.3**	**10**	**4.3**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.9	<4.0	<4.1	<4.1	<4.0	<4.0	<4.0	<3.9	<3.8	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<1.9	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<3.9	<10	<4.1	<10	<10	<10	<2.0	<1.9	<1.9	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<3.8	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<3.8	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<3.9	<3.8	<10
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<1.9	<1.9	**0.70 J**
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	**9.0**	**5.4**	**4.6**
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<1.9	<1.9	<2.1
Total Per-and Polyfluoroalkyl Substances	--	**22.5**	**43.4**	**65.7**	**94.4**	**41.6**	**18.8**	**8.3**	**52.1**	**53.4**	**27.9**

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, December 21, 2020 and Rule 57 Surface Water Quality Values.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) B - Compound also found in associated method blank.
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.
12) Light gray header is most recent sampling event result.
13) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 1
RACER Trust - Coldwater Road Peregrine Facilities
Per-and Polyfluoroalkyl Substances Sampling Results - Storm Water Samples South Portion of Site

Coldwater Road - Storm Water Samples - South Portion of Site

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Groundwater Surface Water Interface Criteria / Rule 57 Surface Water Quality Values	SS-15 (Storm Sewer) 8/4/2022	SS-15 (Storm Sewer) 1/4/2023	SS-15 (Storm Sewer) 3/23/2023	SS-15 (Storm Sewer) 6/27/2023	SS-15 (Storm Sewer) 12/18/2023	SS-16 (Storm Sewer) 1/4/2023	SS-16 (Storm Sewer) 3/23/2023	SS-16 (Storm Sewer) 6/27/2023	SS-16 (Storm Sewer) 12/18/2023
Perfluorobutanoic Acid (PFBA)	--	<10	<10	<9.8	**10**	<9.8	<10	<11	**10**	<9.4
Perfluoropentanoic Acid (PFPeA)	--	**4.1 J**	**1.8 J**	<3.9	<3.9	<3.9	<4.2	<4.3	<3.8	<3.8
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorohexanoic Acid (PFHxA)	--	**3.5**	**3.2**	**1.7 J**	**1.9 J**	**2.0**	**2.8**	<2.1	<1.9	**2.1**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**3.5**	**3.1**	**1.7 J**	**4.3**	**1.4 J**	**2.3**	<2.1	**2.5**	**1.2 J**
Perfluoroheptanoic Acid (PFHpA)	--	**1.8 J**	**1.6 J**	<2.0	<2.0	<3.9	<2.1	<2.1	<1.9	<3.8
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorooctanoic Acid (**PFOA**)	**170**	**5.5**	**2.9**	<2.0	**3.2**	**0.99 J**	**3.2**	<2.1	**2.0**	**1.6 J**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**2.9**	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**2.2**	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorononanoic Acid (PFNA)	**30**	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorodecanoic Acid (PFDA)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.1	<4.1	<3.9	<3.9	<3.9	<4.2	<4.3	<3.8	<3.8
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**220**	**100**	**29**	**86**	**23**	**99**	**27**	**63**	**30**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**170**	**72**	**22**	**56**	**17**	**72**	**21**	**39**	**23**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**50**	**27**	**6.8**	**28**	**5.3**	**27**	**5.1**	**23**	**7.3**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<4.1	<4.1	<3.9	<3.9	<4.2	<4.3	<3.8	<3.8
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.1	<2.0	<2.0	<2.0	<2.0	<2.1	<2.1	<1.9	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<10	<10	<2.0	<2.0	<9.8	<10	<2.0	<1.9	<9.4
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	<3.9	<9.8	--	--	<3.8	<9.4
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	<3.9	<9.8	--	--	<3.8	<9.4
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	<3.9	<9.8	--	--	<3.8	<9.4
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	**1.2 J**	**0.62 J**	--	--	<1.9	**0.62 J**
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	**20**	**6.0**	--	--	**15**	**9.1**
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	<2.0	<2.0	--	--	<1.9	<1.9
Total Per-and Polyfluoroalkyl Substances	--	**241.3**	**112.6**	**32.4**	**126.6**	**34.0**	**107.3**	**27.0**	**92.5**	**44.6**

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, December 21, 2020 and Rule 57 Surface Water Quality Values.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) B - Compound also found in associated method blank.
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.
12) Light gray header is most recent sampling event result.
13) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 1
RACER Trust - Coldwater Road Peregrine Facilities
Per-and Polyfluoroalkyl Substances Sampling Results - Storm Water Samples South Portion of Site

Coldwater Road - Storm Water Samples - South Portion of Site

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Groundwater Surface Water Interface Criteria / Rule 57 Surface Water Quality Values	SS-19 (Storm Sewer) 3/23/2023	SS-20 (Storm Sewer) 3/23/2023	SS-22 (Storm Sewer) 8/7/2023	SS-23 (Storm Sewer) 8/7/2023	SS-23 (Storm Sewer) 12/18/2023	MH-10E (Storm Sewer) 3/19/2020	MH-10E (Storm Sewer) 8/3/2020
Perfluorobutanoic Acid (PFBA)	--	<10	<9.7	<10	<15 X	<9.6	<98	<9.9
Perfluoropentanoic Acid (PFPeA)	--	**1.9 J**	<3.9	<4.0	**2.2 J**	<3.8	<9.8	**1.4 J**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluorohexanoic Acid (PFHxA)	--	**2.0 J**	<1.9	**2.0 J**	**1.8 J**	**1.5 J**	<9.8	**2.9**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	<2.0	<1.9	**2.3**	**2.5**	**2.2**	<9.8	**1.9 J**
Perfluoroheptanoic Acid (PFHpA)	--	**1.5 J**	<2.3 X	<2.0	**1.9 J**	<3.8	<9.8	**2.0**
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	**4.3**	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluorooctanoic Acid (**PFOA**)	**170**	<2.0	<1.9	**3.2**	**5.3**	**1.6 J**	<9.8	**4.8**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	<2.0	<1.9	<2.0	<2.0	**1.1 J**	<9.8	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	<2.0	<1.9	<2.0	<2.0	**1.1 J**	<9.8	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.0	<3.9	<4.0	<3.9	<3.8	<9.8	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**5.6**	**3.6**	**320**	**60**	**32**	**70**	**61**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**3.3**	**1.9 J**	**260**	**45**	**22**	**49**	**44**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**2.2**	<1.9	**61**	**14**	**9.4**	**19**	**14**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.0	<3.9	<4.0	<3.9	<3.8	<9.8	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<1.9	<2.0	<2.0	<1.9	<9.8	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<2.0	<1.9	<2.0	<2.0	<9.6	<9.8	<2.0
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	<4.0	<3.9	<9.6	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	<4.0	<3.9	<9.6	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	<4.0	<3.9	<9.6	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	<2.0	<2.0	**0.74 J**	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	**49**	**14**	**20**	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	<2.0	<2.0	<1.9	--	--
Total Per-and Polyfluoroalkyl Substances	--	**11.0**	**7.9**	**376.5**	**87.7**	**59.1**	**70.0**	**74.0**

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, December 21, 2020 and Rule 57 Surface Water Quality Values.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) B - Compound also found in associated method blank.
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.
12) Light gray header is most recent sampling event result.
13) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

RAMBOLL

TABLE 1
RACER Trust - Coldwater Road Peregrine Facilities
Per-and Polyfluoroalkyl Substances Sampling Results - Storm Water Samples South Portion of Site

Coldwater Road - Storm Water Samples - South Portion of Site

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Groundwater Surface Water Interface Criteria / Rule 57 Surface Water Quality Values	MH-10E-W (Storm Sewer) 8/3/2020	MH-10E-W (Storm Sewer) 12/18/2020	MH-10E-W (Storm Sewer) 3/11/2021	MH-10E-W (Storm Sewer) 8/4/2022	MH-10E-W (Storm Sewer) 1/4/2023	MH-10E-W (Storm Sewer) 3/23/2023	MH-10E-W (Storm Sewer) 6/27/2023	MH-10E-W (Storm Sewer) 12/18/2023
Perfluorobutanoic Acid (PFBA)	--	<9.8	<10	<10	<9.8	<9.8	<10	**10**	<9.8
Perfluoropentanoic Acid (PFPeA)	--	**1.3 J**	<4.2	<4.1	**3.5 J**	<3.9	**1.1 J**	**3.5 J**	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluorohexanoic Acid (PFHxA)	--	**2.2**	<2.1	<2.1	**3.2**	**2.9**	<2.0	**3.5**	**2.2**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**4.0**	**4.7**	<2.1	**3.5**	**1.9 J**	<2.0	**7.2**	**3.7**
Perfluoroheptanoic Acid (PFHpA)	--	**1.6 J**	<2.1	<2.1	**2.1**	**1.4 J**	<2.0	**2.5**	<3.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluorooctanoic Acid (**PFOA**)	**170**	**5.8**	<2.1	<2.1	**6.6**	**2.7**	<2.0	**6.9**	**3.4**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**2.2**	<2.1	<2.1	<2.0	<2.0	<2.0	**1.5 J**	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**1.7 J**	<2.1	<2.1	<2.0	<2.0	<2.0	**1.5 J**	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	**2.0**	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<3.9	<4.2	<4.1	<3.9	<3.9	<4.0	<3.8	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**39**	**10**	**3.2**	**15**	**8.1**	**5.7**	**58**	**22**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**24**	**3.5**	<2.1	**8.3**	**4.5**	**3.9**	**39**	**14**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**12**	**5.9**	<2.1	**6.1**	**3.4**	<2.0	**18**	**7.2**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.9	<4.2	<4.1	<3.9	<3.9	<4.0	<3.8	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.1	<2.1	<2.0	<2.0	<2.0	<1.9	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<2.0	<2.0	<2.1	<9.8	<9.8	<2.0	<1.9	<9.8
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	**--**	<3.8	<9.8
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	**--**	<3.8	<9.8
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	**--**	<3.8	<9.8
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	**--**	<1.9	**0.82 J**
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	**--**	**9.5**	**2.6**
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	**--**	<1.9	<2.0
Total Per-and Polyfluoroalkyl Substances	--	**56.1**	**14.7**	**3.2**	**33.9**	**17.0**	**6.8**	**104.6**	**34.7**

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, December 21, 2020 and Rule 57 Surface Water Quality Values.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) B - Compound also found in associated method blank.
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.
12) Light gray header is most recent sampling event result.
13) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

RAMBOLL

TABLE 2
RACER Trust - Coldwater Road Peregrine Facilities
Per-and Polyfluoroalkyl Substances Sampling Results
Storm Water Samples - West of Site

Coldwater Rd - Storm Water Samples West of Site

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	SS-06 (Storm Sewer) 8/28/2020	SS-06 (Storm Sewer) 12/18/2020	SS-06 (Storm Sewer) 3/11/2021	SS-DUP-031121 (SS-06) Storm Sewer 3/11/2021	SS-06 (Storm Sewer) 6/29/2021	SS-10 9/7/2022	SS-10 1/4/2023	SS-10 3/23/2023	SS-10 6/27/2023	SS-10 12/18/2023
Perfluorobutanoic Acid (PFBA)	--	<10	<9.9	<10	<11	<11	**11**	<9.7	<9.5	<14 X	<10
Perfluoropentanoic Acid (PFPeA)	--	<4.1	**20**	**1.4 J**	**1.9 J**	**3.1 J**	**7.9**	<3.9	1.7 J	<6.4 X	**2.0 J**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluorohexanoic Acid (PFHxA)	--	**1.8 J**	<2.0	<2.1	**1.5 J**	**3.2**	**7.2**	<1.9	**1.4 J**	**3.5**	**2.0**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**2.1**	**1.6 J**	**3.3**	**3.4**	**4.8**	**23**	<1.9	**2.4**	**3.5**	**2.4**
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	<2.0	<2.1	<2.1	<2.1	**5.1**	<1.9	<1.9	**1.9 J**	<4.1
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	**3.2**	**2.2**	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.0	<2.1	<2.1	<4.2	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluorooctanoic Acid (**PFOA**)	**170**	**2.6**	<2.0	<2.1	<2.1	**2.0 J**	**9.7**	<1.9	<1.9	**2.2**	**0.99 J**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**3.4**	<2.0	**9.3**	**9.4**	**2.9**	**4.2**	<1.9	**1.5 J**	<1.9	**1.1 J**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**2.4**	<2.0	**7.3**	**7.3**	**2.1 J**	**3.0**	<1.9	<1.9	<1.9	**1.1 J**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	**2.2**	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.1	<3.9	<4.1	<4.2	<4.2	<4.1	<3.9	<3.9	<3.9	<4.1
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**85**	**3.6**	**180**	**160**	**14**	**17**	<1.9	**12**	**11**	**11**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**49**	<2.0	**88**	**81**	**5.7**	**3.8**	<1.9	**4.8**	**3.9**	**2.8**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**37**	<2.0	**86**	**76**	**8.5**	**13**	<1.9	**6.8**	**6.8**	**7.7**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<3.9	<4.1	<4.2	<4.2	<4.1	<3.9	<3.8	<3.9	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.1	<2.1	<2.1	<2.1	<1.9	<1.9	<1.9	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<2.0	<2.0	<2.1	<2.1	<11	<10	<9.7	<1.9	<1.9	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--	<3.9	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--	<3.9	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--	<3.9	<10
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--	**2.7**	**1.0 J**
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	--	**9.7**	**19**
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--	<1.9	<2.0
Total Per-and Polyfluoroalkyl Substances	--	**94.9**	**25.2**	**199.4**	**178.4**	**30.0**	**85.1**	**0.0**	**19.0**	**34.5**	**39.5**

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, December 21, 2020.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) The detection of PFBA in Field Blank-062520 was caused from the centrifuge tubes leaching out PFBA during the extraction process. The 5X Rule was applied to PFBA detections. If the sample value(s) is less than 5 times the blank concentration (5X Rule), then positive results are qualified "U,"undetected.
9) B - Compound also found in associated method blank.
10) I - Matrix interference with internal standard.
11) J - Estimated value less than reporting limit, but greater than MDL.
12) X - Elevated reporting limit due to matrix interference.
13) Light gray header is most recent sampling event result.
14) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

TABLE 2
RACER Trust - Coldwater Road Peregrine Facilities
Per-and Polyfluoroalkyl Substances Sampling Results
Storm Water Samples - West of Site

Coldwater Rd - Storm Water Samples West of Site

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	MH-18 (Storm Sewer) 11/5/2019	MH-18 (Storm Sewer) 8/3/2020	MH-18 (Storm Sewer) 12/18/2020	MH-18 (Storm Sewer) 3/11/2021	MH-18 (Storm Sewer) 6/29/2021
Perfluorobutanoic Acid (PFBA)	--	<20	<10	<10	<9.9	**15**
Perfluoropentanoic Acid (PFPeA)	--	<10	<4.0	<4.1	<3.9	**2.4 J**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<10	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	--	<10	<2.0	<2.0	**1.9 J**	**2.7**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	<10	<2.0	**4.8**	**6.8**	**6.3**
Perfluoroheptanoic Acid (PFHpA)	--	<10	<2.0	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<10	**2.2**	**8.1**	**14**	**13**
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<10	<2.0	<2.0	<2.0	<3.9
Perfluorooctanoic Acid (**PFOA**)	**170**	<10	<2.0	**1.8 J**	<2.0	**3.7**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**15**	**8.6**	**33**	**40**	**30**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**12**	**7.4**	**28**	**31**	**24**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<10	<2.0	**4.3**	**7.9**	**5.3**
Perfluorononanoic Acid (PFNA)	**30**	<10	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<10	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<10	**2.5**	**9.8**	**5.5**	**4.8**
Perfluorodecanoic Acid (PFDA)	--	<10	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<10	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<10	<4.0	<4.1	<3.9	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**210**	**240**	**460**	**280**	**310**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**110**	**150**	**230**	**130**	**180**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**91**	**88**	**230**	**140**	**130**
Perfluoroundecanoic Acid (PFUnDA)	--	<10	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<10	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<10	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<10	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<10	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<10	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<10	<4.0	<4.1	<3.9	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<10	<2.0	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<10	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<10	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<10	<2.0	<2.0	<2.0	<9.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	**225.0**	**253.3**	**517.5**	**348.2**	**387.9**

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, December 21, 2020.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) The detection of PFBA in Field Blank-062520 was caused from the centrifuge tubes leaching out PFBA during the extraction process. The 5X Rule was applied to PFBA detections. If the sample value(s) is less than 5 times the blank concentration (5X Rule), then positive results are qualified "U,"undetected.
9) B - Compound also found in associated method blank.
10) I - Matrix interference with internal standard.
11) J - Estimated value less than reporting limit, but greater than MDL.
12) X - Elevated reporting limit due to matrix interference.
13) Light gray header is most recent sampling event result.
14) QA/QC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

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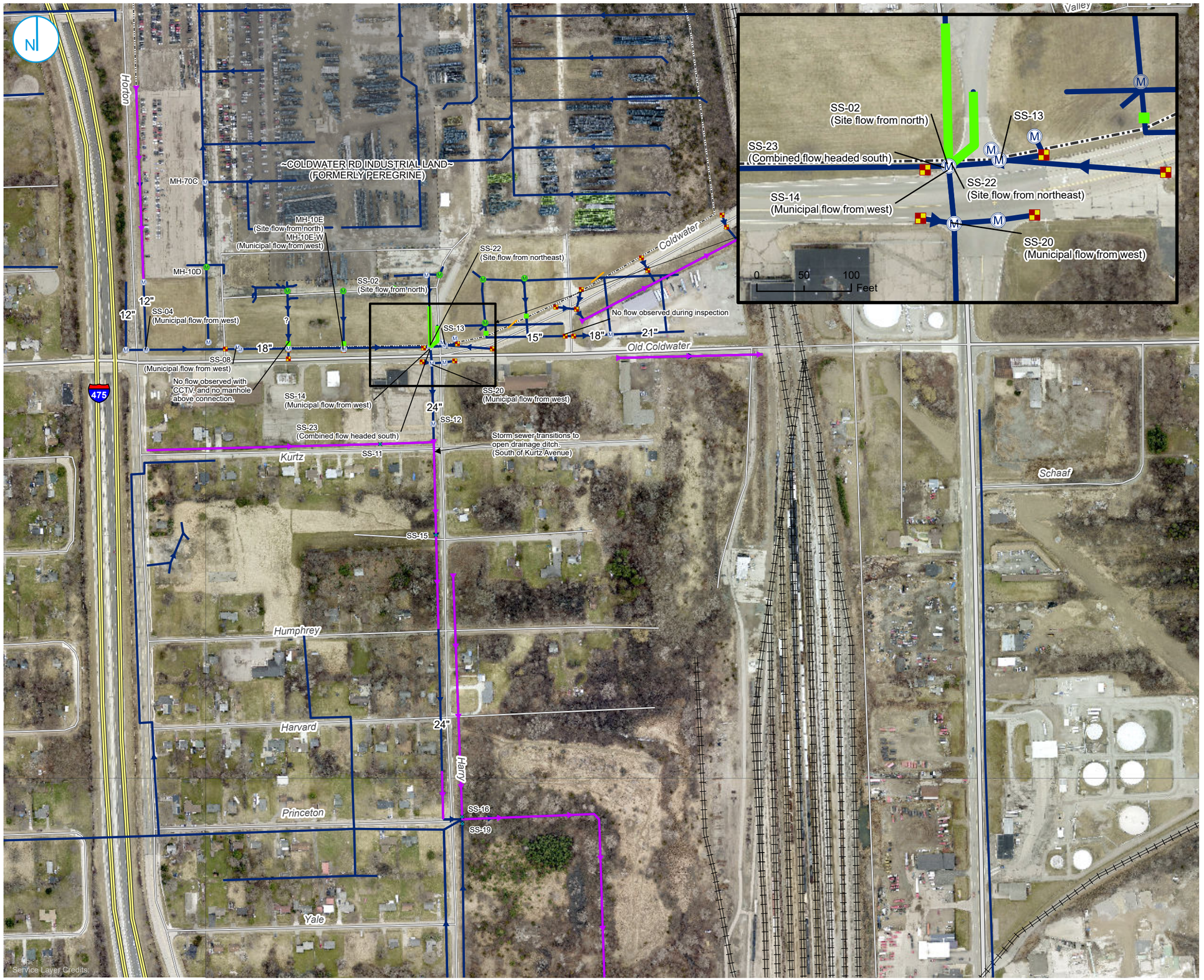
FIGURES



- ABANDONED MANHOLE
- STORM SEWER DRAIN
- STORM SEWER MANHOLE
- PIPE PLUG
- SURFACE WATER
- OPEN DRAINAGE DITCH
- STORM SEWER
- TEST PIT
- FORMER BUILDING
- PROPERTY BOUNDARY

0 175 350 Feet

GENESEE STORM SEWERS (HORTON ST TO N DORT HWY)

RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

FIGURE 01

RAMBOLL AMERICAS
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A RAMBOLL COMPANY

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I:\Racer-Trust.1088190\GIS\Coldwater_Road\ProRACER_ColdwaterRd\Genesee_Storm_Sewers\Figure 1 - Genesee Storm Sewers Horton to N Dort Hwy_rev04042024
PROJECT: 1940107203 | DATED: 4/12/2024 | DESIGNER: MONETANT

- MONITORING WELL / PIEZOMETER
- STORM SEWER MANHOLE
- MANHOLE ABANDONED AND PLUGGED
- CATCH BASIN
- VAULT
- STORM SEWER PIPE PLUG
- STORM SEWER
- PROPERTY BOUNDARY
- (800.93) GROUND ELEVATION
- (798.00) INVERT ELEVATION
- ABANDONED SEWER
- LINED SEWER

Notes

NM indicates not measured.
Locations that do not have an invert measurement only the ground elevation is listed.

0 75 150 Feet

KLEIN STREET AREA STORM SEWER CONFIGURATION

RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

DRAFT FIGURE 02

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690000XXX | DATED: 3/25/2024 | DESIGNER: MONETANT
I:\Racer-Trust.1088190\GIS\Coldwater_Road\Pro\RACER_Coldwater_Road_2022_Annual_LDS_and_GW_Figures.aprx\Figure 2 - Klein St Area Storm Sewer Configuration
I:\Racer-Trust.1088190\GIS\Coldwater_Road\Pro\RACER_Coldwater_Road_2022_Annual_LDS_and_GW_Figures\RACER_Coldwater_Road_2022_Annual_LDS_and_GW_Figures.aprx\Figure 2 - Klein St Area Storm Sewer Configuration

ATTACHMENT A
LABORATORY ANALYTICAL REPORTS

Analytical Laboratory Report

Report ID: S57021.01(01)
Generated on 01/22/2024

Report to

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

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

Addtional Contacts: Kevin Schneider

Report produced by

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

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

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

Report Summary

Lab Sample ID(s): S57021.01-S57021.08
Project: RACER Coldwater Road
Collected Date(s): 12/18/2023
Submitted Date/Time: 12/19/2023 14:30
Sampled by: Kevin Schneider
P.O. #: 1940006516 TASK 37

Table of Contents

Maya Murshak
Technical Director

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Starred (*) analytes are not NY NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)
PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."
Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.
Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.
All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.
For a specific list of accredited analytes, please feel free to contact the laboratory or visit https://www.meritlabs.com/certifications.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Accreditations (For Reference Only)

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

Qualifier Descriptions

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

Glossary of Abbreviations

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

Method Summary

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

Parameter Summary

Parameter	Synonym	Cas #
PFBA	Perfluorobutanoic Acid	375-22-4
PFPeA	Perfluoropentanoic Acid	2706-90-3
4:2 FTSA	4:2 Fluorotelomer Sulfonic Acid	757124-72-4
PFHxA	Perfluorohexanoic Acid	307-24-4
PFBS	Perfluorobutane sulfonic Acid	375-73-5
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFPeS	Perfluoropentane Sulfonic Acid	2706-91-4
6:2 FTSA	6:2 Fluorotelomer Sulfonic Acid	27619-97-2
PFOA	Perfluorooctanoic Acid	335-67-1
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFHxS-LN	Perfluorohexane Sulfonic Acid - LN	355-46-4-LN
PFHxS-BR	Perfluorohexane Sulfonic Acid - BR	355-46-4-BR
PFNA	Perfluorononanoic Acid	375-95-1
8:2 FTSA	8:2 Fluorotelomer Sulfonic Acid	39108-34-4
PFHpS	Perfluoroheptane Sulfonic Acid	375-92-8
PFDA	Perfluorodecanoic Acid	335-76-2
N-MeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9
EtFOSAA	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	2991-50-6
PFOS	Perfluorooctane Sulfonic Acid	1763-23-1
PFOS-LN	Perfluorooctane Sulfonic Acid - LN	1763-23-1-LN
PFOS-BR	Perfluorooctane Sulfonic Acid - BR	1763-23-1-BR
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFNS	Perfluorononane Sulfonic Acid	68259-12-1
PFDoDA	Perfluorododecanoic Acid	307-55-1
PFDS	Perfluorodecane Sulfonic Acid	335-77-3
PFTrDA	Perfluorotridecanoic Acid	72629-94-8
FOSA	Perfluorooctane Sulfonamide	754-91-6
PFTeDA	Perfluorotetradecanoic Acid	376-06-7
11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9
9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid	756426-58-1
ADONA	4,8-dioxa-3H-perfluorononanoic acid	919005-14-4
HFPO-DA	Hexafluoropropylene oxide dimer	13252-13-6
FHpPA (7:3 FTCA)	3-Perfluoroheptyl propanoic acid	812-70-4
FPePA (5:3 FTCA)	3-Perfluoropentyl propanoic acid	914637-49-3
FPrPA (3:3 FTCA)	3-Perfluoropropyl propanoic acid	356-02-5
PFBSA	Perfluorobutanesulfonamide	30334-69-1
PFECHS	Perfluoro-4-ethylcyclohexanesulfonate	67584-42-3
PFHxSA	Perfluorohexanesulfonamide	41997-13-1

Analytical Laboratory Report

Sample Summary (8 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S57021.01	SS-16	Liquid	12/18/23 11:35
S57021.02	SS-15	Liquid	12/18/23 11:42
S57021.03	SS-12	Liquid	12/18/23 11:55
S57021.04	SS-14	Liquid	12/18/23 12:14
S57021.05	SS-23	Liquid	12/18/23 12:25
S57021.06	MH-10E-W	Liquid	12/18/23 12:42
S57021.07	SS-10	Liquid	12/18/23 13:10
S57021.08	Field Blank-121823	Liquid	12/18/23 14:15

Analytical Laboratory Report

Lab Sample ID: S57021.01
Sample Tag: SS-16
Collected Date/Time: 12/18/2023 11:35
Matrix: Liquid
COC Reference: 165449

Sample Containers

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

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.38/6.54/11	ASTMD7979-19M	01/04/24 14:30	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 00:09, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.4	1.9	ng/L	1.88	375-22-4	
PFPeA*	Not detected	3.8	1.1	ng/L	1.88	2706-90-3	
4:2 FTSA*	Not detected	1.9	0.19	ng/L	1.88	757124-72-4	
PFHxA*	2.1	1.9	1.1	ng/L	1.88	307-24-4	
PFBS*	1.2	1.9	0.56	ng/L	1.88	375-73-5	J
PFHpA*	Not detected	3.8	0.75	ng/L	1.88	375-85-9	
PFPeS*	Not detected	1.9	1.7	ng/L	1.88	2706-91-4	
6:2 FTSA*	Not detected	1.9	0.94	ng/L	1.88	27619-97-2	
PFOA*	1.6	1.9	0.75	ng/L	1.88	335-67-1	J
PFHxS*	Not detected	1.9	0.94	ng/L	1.88	355-46-4	
PFHxS-LN*	Not detected	1.9	0.94	ng/L	1.88	355-46-4-LN	
PFHxS-BR*	Not detected	1.9	0.94	ng/L	1.88	355-46-4-BR	
PFNA*	Not detected	1.9	0.94	ng/L	1.88	375-95-1	
8:2 FTSA*	Not detected	1.9	1.1	ng/L	1.88	39108-34-4	
PFHpS*	Not detected	1.9	0.75	ng/L	1.88	375-92-8	
PFDA*	Not detected	1.9	1.1	ng/L	1.88	335-76-2	
N-MeFOSAA*	Not detected	1.9	0.94	ng/L	1.88	2355-31-9	
EtFOSAA*	Not detected	3.8	0.94	ng/L	1.88	2991-50-6	
PFOS*	30	1.9	0.75	ng/L	1.88	1763-23-1	
PFOS-LN*	23	1.9	0.75	ng/L	1.88	1763-23-1-LN	
PFOS-BR*	7.3	1.9	0.75	ng/L	1.88	1763-23-1-BR	
PFUnDA*	Not detected	1.9	0.75	ng/L	1.88	2058-94-8	
PFNS*	Not detected	1.9	0.94	ng/L	1.88	68259-12-1	
PFDoDA*	Not detected	1.9	0.56	ng/L	1.88	307-55-1	
PFDS*	Not detected	1.9	0.94	ng/L	1.88	335-77-3	
PFTrDA*	Not detected	1.9	0.75	ng/L	1.88	72629-94-8	
FOSA*	Not detected	1.9	0.75	ng/L	1.88	754-91-6	
PFTeDA*	Not detected	3.8	0.56	ng/L	1.88	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9	0.94	ng/L	1.88	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9	0.94	ng/L	1.88	756426-58-1	
ADONA*	Not detected	1.9	0.56	ng/L	1.88	919005-14-4	
HFPO-DA*	Not detected	9.4	1.9	ng/L	1.88	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.4	7.5	ng/L	1.88	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.4	3.8	ng/L	1.88	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.4	3.8	ng/L	1.88	356-02-5	
PFBSA*	0.62	1.9	0.56	ng/L	1.88	30334-69-1	J

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

Lab Sample ID: S57021.01 (continued)

Sample Tag: SS-16

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 00:09, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	9.1	1.9	0.75	ng/L	1.88	67584-42-3	
PFHxSA*	Not detected	1.9	0.56	ng/L	1.88	41997-13-1	

Analytical Laboratory Report

Lab Sample ID: S57021.02
Sample Tag: SS-15
Collected Date/Time: 12/18/2023 11:42
Matrix: Liquid
COC Reference: 165449

Sample Containers

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

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.18/6.55/11	ASTMD7979-19M	01/04/24 14:30	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 00:29, 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	3.9	1.2	ng/L	1.95	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.95	757124-72-4	
PFHxA*	2.0	2.0	1.2	ng/L	1.95	307-24-4	
PFBS*	1.4	2.0	0.59	ng/L	1.95	375-73-5	J
PFHpA*	Not detected	3.9	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*	0.99	2.0	0.78	ng/L	1.95	335-67-1	J
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*	Not detected	3.9	0.98	ng/L	1.95	2991-50-6	
PFOS*	23	2.0	0.78	ng/L	1.95	1763-23-1	
PFOS-LN*	17	2.0	0.78	ng/L	1.95	1763-23-1-LN	
PFOS-BR*	5.3	2.0	0.78	ng/L	1.95	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.78	ng/L	1.95	2058-94-8	
PFNS*	Not detected	2.0	0.98	ng/L	1.95	68259-12-1	
PFDoDA*	Not detected	2.0	0.59	ng/L	1.95	307-55-1	
PFDS*	Not detected	2.0	0.98	ng/L	1.95	335-77-3	
PFTrDA*	Not detected	2.0	0.78	ng/L	1.95	72629-94-8	
FOSA*	Not detected	2.0	0.78	ng/L	1.95	754-91-6	
PFTeDA*	Not detected	3.9	0.59	ng/L	1.95	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.98	ng/L	1.95	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.98	ng/L	1.95	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.95	919005-14-4	
HFPO-DA*	Not detected	9.8	2.0	ng/L	1.95	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.8	7.8	ng/L	1.95	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.95	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.95	356-02-5	
PFBSA*	0.62	2.0	0.59	ng/L	1.95	30334-69-1	J

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

Lab Sample ID: S57021.02 (continued)

Sample Tag: SS-15

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 00:29, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	6.0	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: S57021.03
Sample Tag: SS-12
Collected Date/Time: 12/18/2023 11:55
Matrix: Liquid
COC Reference: 165449

Sample Containers

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

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.15/6.54/11	ASTMD7979-19M	01/04/24 14:30	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 00:49, 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*	2.0	2.0	1.2	ng/L	1.96	307-24-4	
PFBS*	2.1	2.0	0.59	ng/L	1.96	375-73-5	
PFHpA*	Not detected	3.9	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*	1.5	2.0	0.78	ng/L	1.96	335-67-1	J
PFHxS*	Not detected	2.0	0.98	ng/L	1.96	355-46-4	
PFHxS-LN*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0	0.98	ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0	0.78	ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.98	ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9	0.98	ng/L	1.96	2991-50-6	
PFOS*	22	2.0	0.78	ng/L	1.96	1763-23-1	
PFOS-LN*	16	2.0	0.78	ng/L	1.96	1763-23-1-LN	
PFOS-BR*	5.7	2.0	0.78	ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.78	ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0	0.98	ng/L	1.96	68259-12-1	
PFDoDA*	Not detected	2.0	0.59	ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0	0.98	ng/L	1.96	335-77-3	
PFTrDA*	Not detected	2.0	0.78	ng/L	1.96	72629-94-8	
FOSA*	Not detected	2.0	0.78	ng/L	1.96	754-91-6	
PFTeDA*	Not detected	3.9	0.59	ng/L	1.96	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.98	ng/L	1.96	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.98	ng/L	1.96	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.96	919005-14-4	
HFPO-DA*	Not detected	9.8	2.0	ng/L	1.96	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.8	7.8	ng/L	1.96	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.96	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.96	356-02-5	
PFBSA*	0.71	2.0	0.59	ng/L	1.96	30334-69-1	J

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

Lab Sample ID: S57021.03 (continued)

Sample Tag: SS-12

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 00:49, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	11	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	

Analytical Laboratory Report

Lab Sample ID: S57021.04
Sample Tag: SS-14
Collected Date/Time: 12/18/2023 12:14
Matrix: Liquid
COC Reference: 165449

Sample Containers

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

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.91/6.54/11	ASTMD7979-19M	01/04/24 14:30	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 01:09, 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*	1.7	2.1	1.2	ng/L	2.05	307-24-4	J
PFBS*	2.3	2.1	0.62	ng/L	2.05	375-73-5	
PFHpA*	Not detected	4.1	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*	1.6	2.1	0.82	ng/L	2.05	335-67-1	J
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*	17	2.1	0.82	ng/L	2.05	1763-23-1	
PFOS-LN*	12	2.1	0.82	ng/L	2.05	1763-23-1-LN	
PFOS-BR*	4.3	2.1	0.82	ng/L	2.05	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.82	ng/L	2.05	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.05	68259-12-1	
PFDoDA*	Not detected	2.1	0.62	ng/L	2.05	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.05	335-77-3	
PFTrDA*	Not detected	2.1	0.82	ng/L	2.05	72629-94-8	
FOSA*	Not detected	2.1	0.82	ng/L	2.05	754-91-6	
PFTeDA*	Not detected	4.1	0.62	ng/L	2.05	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.05	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.0	ng/L	2.05	756426-58-1	
ADONA*	Not detected	2.1	0.62	ng/L	2.05	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.05	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.2	ng/L	2.05	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.1	ng/L	2.05	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.1	ng/L	2.05	356-02-5	
PFBSA*	0.70	2.1	0.62	ng/L	2.05	30334-69-1	J

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

Lab Sample ID: S57021.04 (continued)

Sample Tag: SS-14

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 01:09, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	4.6	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: S57021.05
Sample Tag: SS-23
Collected Date/Time: 12/18/2023 12:25
Matrix: Liquid
COC Reference: 165449

Sample Containers

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

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.33/6.57/11	ASTMD7979-19M	01/04/24 14:30	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 01:29, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.6	1.9	ng/L	1.91	375-22-4	
PFPeA*	Not detected	3.8	1.1	ng/L	1.91	2706-90-3	
4:2 FTSA*	Not detected	1.9	0.19	ng/L	1.91	757124-72-4	
PFHxA*	1.5	1.9	1.1	ng/L	1.91	307-24-4	J
PFBS*	2.2	1.9	0.57	ng/L	1.91	375-73-5	
PFHpA*	Not detected	3.8	0.76	ng/L	1.91	375-85-9	
PFPeS*	Not detected	1.9	1.7	ng/L	1.91	2706-91-4	
6:2 FTSA*	Not detected	1.9	0.96	ng/L	1.91	27619-97-2	
PFOA*	1.6	1.9	0.76	ng/L	1.91	335-67-1	J
PFHxS*	1.1	1.9	0.96	ng/L	1.91	355-46-4	J
PFHxS-LN*	1.1	1.9	0.96	ng/L	1.91	355-46-4-LN	J
PFHxS-BR*	Not detected	1.9	0.96	ng/L	1.91	355-46-4-BR	
PFNA*	Not detected	1.9	0.96	ng/L	1.91	375-95-1	
8:2 FTSA*	Not detected	1.9	1.1	ng/L	1.91	39108-34-4	
PFHpS*	Not detected	1.9	0.76	ng/L	1.91	375-92-8	
PFDA*	Not detected	1.9	1.1	ng/L	1.91	335-76-2	
N-MeFOSAA*	Not detected	1.9	0.96	ng/L	1.91	2355-31-9	
EtFOSAA*	Not detected	3.8	0.96	ng/L	1.91	2991-50-6	
PFOS*	32	1.9	0.76	ng/L	1.91	1763-23-1	
PFOS-LN*	22	1.9	0.76	ng/L	1.91	1763-23-1-LN	
PFOS-BR*	9.4	1.9	0.76	ng/L	1.91	1763-23-1-BR	
PFUnDA*	Not detected	1.9	0.76	ng/L	1.91	2058-94-8	
PFNS*	Not detected	1.9	0.96	ng/L	1.91	68259-12-1	
PFDoDA*	Not detected	1.9	0.57	ng/L	1.91	307-55-1	
PFDS*	Not detected	1.9	0.96	ng/L	1.91	335-77-3	
PFTrDA*	Not detected	1.9	0.76	ng/L	1.91	72629-94-8	
FOSA*	Not detected	1.9	0.76	ng/L	1.91	754-91-6	
PFTeDA*	Not detected	3.8	0.57	ng/L	1.91	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9	0.96	ng/L	1.91	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9	0.96	ng/L	1.91	756426-58-1	
ADONA*	Not detected	1.9	0.57	ng/L	1.91	919005-14-4	
HFPO-DA*	Not detected	9.6	1.9	ng/L	1.91	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.6	7.6	ng/L	1.91	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.6	3.8	ng/L	1.91	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.6	3.8	ng/L	1.91	356-02-5	
PFBSA*	0.74	1.9	0.57	ng/L	1.91	30334-69-1	J

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

Lab Sample ID: S57021.05 (continued)

Sample Tag: SS-23

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 01:29, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	20	1.9	0.76	ng/L	1.91	67584-42-3	
PFHxSA*	Not detected	1.9	0.57	ng/L	1.91	41997-13-1	

Analytical Laboratory Report

Lab Sample ID: S57021.06
Sample Tag: MH-10E-W
Collected Date/Time: 12/18/2023 12:42
Matrix: Liquid
COC Reference: 165449

Sample Containers

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

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.13/6.52/11	ASTMD7979-19M	01/04/24 14:30	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 01:49, 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*	2.2	2.0	1.2	ng/L	1.96	307-24-4	
PFBS*	3.7	2.0	0.59	ng/L	1.96	375-73-5	
PFHpA*	Not detected	3.9	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*	3.4	2.0	0.78	ng/L	1.96	335-67-1	
PFHxS*	Not detected	2.0	0.98	ng/L	1.96	355-46-4	
PFHxS-LN*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0	0.98	ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0	0.78	ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.98	ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9	0.98	ng/L	1.96	2991-50-6	
PFOS*	22	2.0	0.78	ng/L	1.96	1763-23-1	
PFOS-LN*	14	2.0	0.78	ng/L	1.96	1763-23-1-LN	
PFOS-BR*	7.2	2.0	0.78	ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.78	ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0	0.98	ng/L	1.96	68259-12-1	
PFDoDA*	Not detected	2.0	0.59	ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0	0.98	ng/L	1.96	335-77-3	
PFTrDA*	Not detected	2.0	0.78	ng/L	1.96	72629-94-8	
FOSA*	Not detected	2.0	0.78	ng/L	1.96	754-91-6	
PFTeDA*	Not detected	3.9	0.59	ng/L	1.96	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.98	ng/L	1.96	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.98	ng/L	1.96	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.96	919005-14-4	
HFPO-DA*	Not detected	9.8	2.0	ng/L	1.96	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.8	7.8	ng/L	1.96	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.96	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.96	356-02-5	
PFBSA*	0.82	2.0	0.59	ng/L	1.96	30334-69-1	J

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

Lab Sample ID: S57021.06 (continued)

Sample Tag: MH-10E-W

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 01:49, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	2.6	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	

Analytical Laboratory Report

Lab Sample ID: S57021.07
Sample Tag: SS-10
Collected Date/Time: 12/18/2023 13:10
Matrix: Liquid
COC Reference: 165449

Sample Containers

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

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.95/6.54/11	ASTMD7979-19M	01/04/24 14:30	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 02:09, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.0	ng/L	2.03	375-22-4	
PFPeA*	2.0	4.1	1.2	ng/L	2.03	2706-90-3	J
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.03	757124-72-4	
PFHxA*	2.0	2.0	1.2	ng/L	2.03	307-24-4	
PFBS*	2.4	2.0	0.61	ng/L	2.03	375-73-5	
PFHpA*	Not detected	4.1	0.81	ng/L	2.03	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	2.03	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.0	ng/L	2.03	27619-97-2	
PFOA*	0.99	2.0	0.81	ng/L	2.03	335-67-1	J
PFHxS*	1.1	2.0	1.0	ng/L	2.03	355-46-4	J
PFHxS-LN*	1.1	2.0	1.0	ng/L	2.03	355-46-4-LN	J
PFHxS-BR*	Not detected	2.0	1.0	ng/L	2.03	355-46-4-BR	
PFNA*	Not detected	2.0	1.0	ng/L	2.03	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	2.03	39108-34-4	
PFHpS*	Not detected	2.0	0.81	ng/L	2.03	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	2.03	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.0	ng/L	2.03	2355-31-9	
EtFOSAA*	Not detected	4.1	1.0	ng/L	2.03	2991-50-6	
PFOS*	11	2.0	0.81	ng/L	2.03	1763-23-1	
PFOS-LN*	2.8	2.0	0.81	ng/L	2.03	1763-23-1-LN	
PFOS-BR*	7.7	2.0	0.81	ng/L	2.03	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.81	ng/L	2.03	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.03	68259-12-1	
PFDoDA*	Not detected	2.0	0.61	ng/L	2.03	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.03	335-77-3	
PFTrDA*	Not detected	2.0	0.81	ng/L	2.03	72629-94-8	
FOSA*	Not detected	2.0	0.81	ng/L	2.03	754-91-6	
PFTeDA*	Not detected	4.1	0.61	ng/L	2.03	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.03	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.03	756426-58-1	
ADONA*	Not detected	2.0	0.61	ng/L	2.03	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.03	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.1	ng/L	2.03	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.1	ng/L	2.03	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.1	ng/L	2.03	356-02-5	
PFBSA*	1.0	2.0	0.61	ng/L	2.03	30334-69-1	J

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

Lab Sample ID: S57021.07 (continued)

Sample Tag: SS-10

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 02:09, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	19	2.0	0.81	ng/L	2.03	67584-42-3	
PFHxSA*	Not detected	2.0	0.61	ng/L	2.03	41997-13-1	

Analytical Laboratory Report

Lab Sample ID: S57021.08
Sample Tag: Field Blank-121823
Collected Date/Time: 12/18/2023 14:15
Matrix: Liquid
COC Reference: 165449

Sample Containers

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

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.66/6.55/12	ASTMD7979-19M	01/04/24 14:30	SRP	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 02:29, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.8	2.0	ng/L	1.96	375-22-4	
PFPeA*	Not detected	3.9	1.2	ng/L	1.96	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.96	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	1.96	307-24-4	
PFBS*	Not detected	2.0	0.59	ng/L	1.96	375-73-5	
PFHpA*	Not detected	3.9	0.78	ng/L	1.96	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	1.96	2706-91-4	
6:2 FTSA*	Not detected	2.0	0.98	ng/L	1.96	27619-97-2	
PFOA*	Not detected	2.0	0.78	ng/L	1.96	335-67-1	
PFHxS*	Not detected	2.0	0.98	ng/L	1.96	355-46-4	
PFHxS-LN*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	0.98	ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0	0.98	ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0	0.78	ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.98	ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9	0.98	ng/L	1.96	2991-50-6	
PFOS*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1	
PFOS-LN*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1-LN	
PFOS-BR*	Not detected	2.0	0.78	ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.78	ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0	0.98	ng/L	1.96	68259-12-1	
PFDoDA*	Not detected	2.0	0.59	ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0	0.98	ng/L	1.96	335-77-3	
PFTrDA*	Not detected	2.0	0.78	ng/L	1.96	72629-94-8	
FOSA*	Not detected	2.0	0.78	ng/L	1.96	754-91-6	
PFTeDA*	Not detected	3.9	0.59	ng/L	1.96	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.98	ng/L	1.96	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.98	ng/L	1.96	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.96	919005-14-4	
HFPO-DA*	Not detected	9.8	2.0	ng/L	1.96	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.8	7.8	ng/L	1.96	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.96	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.8	3.9	ng/L	1.96	356-02-5	
PFBSA*	Not detected	2.0	0.59	ng/L	1.96	30334-69-1	
PFECHS*	Not detected	2.0	0.78	ng/L	1.96	67584-42-3	

Lab Sample ID: S57021.08 (continued)

Sample Tag: Field Blank-121823

34 PFAs, Method: ASTMD7979-19M, Run Date: 01/05/24 02:29, Analyst: KCV (continued)

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

Merit Laboratories Login Checklist

Lab Set ID: S57021
Client: RAMBOLL (Ramboll Americas)
Project: RACER Coldwater Road
Submitted: 12/19/2023 14:30 Login User: PFD

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

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

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

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

Client Review By: _____ Date: _____

Merit Laboratories, Inc.

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

C.O.C. PAGE # 1 OF 1

165449

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.: 313-333-0211 CELL NO.: P.O. NO.: 1940006516 Task 37
E-MAIL ADDRESS: Clifford.Yantz@Ramboll.com; Kevin.Schneider@Ramboll.com QUOTE NO.:

INVOICE TO

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

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

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

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

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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

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

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS (7471)	Special Instructions
570219	12/18/23	1135	SS-16	L	3	X							X	Low level Reporting with estimated values
.02		1142	SS-15										X	
.03		1155	SS-12										X	
.04		1214	SS-14										X	
.05		1225	SS-23										X	34 PFAS List
.06		1242	MH-10E-W										X	
.07		1310	SS-10										X	
.08	↓	1415	Field Blank-121823	↓	1	↓							X	

1415

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X ☐ Sampler	DATE 12/18/23	TIME 1345	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 12/19/23	TIME 1343	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 12/19/23	TIME 1430	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 12/19/23	TIME 1430	

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 4.0

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

Rev. 1.26.22

Quality Control Report

Report ID: QC-S57021-01
Generated on 01/23/2024

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): S57021.01-S57021.08
Project: RACER Coldwater Road
Submitted Date/Time: 12/19/2023 14:30
Sampled by: Kevin Schneider
P.O. #: 1940006516 TASK 37

QC Report Sections

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: S57021.01
Sample Tag: SS-16
Collected Date/Time: 12/18/2023 11:35
Matrix: Liquid
COC Reference: 165449

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	01/05/24 00:09	AK240104W	PF240104W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S57021.02

Sample Tag: SS-15

Collected Date/Time: 12/18/2023 11:42

Matrix: Liquid

COC Reference: 165449

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	01/05/24 00:29	AK240104W	PF240104W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S57021.03

Sample Tag: SS-12

Collected Date/Time: 12/18/2023 11:55

Matrix: Liquid

COC Reference: 165449

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	01/05/24 00:49	AK240104W	PF240104W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S57021.04

Sample Tag: SS-14

Collected Date/Time: 12/18/2023 12:14

Matrix: Liquid

COC Reference: 165449

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	01/05/24 01:09	AK240104W	PF240104W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S57021.05

Sample Tag: SS-23

Collected Date/Time: 12/18/2023 12:25

Matrix: Liquid

COC Reference: 165449

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	01/05/24 01:29	AK240104W	PF240104W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S57021.06
Sample Tag: MH-10E-W
Collected Date/Time: 12/18/2023 12:42
Matrix: Liquid
COC Reference: 165449

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	01/05/24 01:49	AK240104W	PF240104W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Analysis Summary

Lab Sample ID: S57021.07
Sample Tag: SS-10
Collected Date/Time: 12/18/2023 13:10
Matrix: Liquid
COC Reference: 165449

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	01/05/24 02:09	AK240104W	PF240104W2	Yes	BLK/LCS/LCSD/MS/DU

Lab Sample ID: S57021.08

Sample Tag: Field Blank-121823

Collected Date/Time: 12/18/2023 14:15

Matrix: Liquid

COC Reference: 165449

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
34 PFAs	ASTMD7979-19M	01/05/24 02:29	AK240104W	PF240104W2	Yes	BLK/LCS/LCSD/MS/DU

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: PF240104W2

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

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S57021.01	34 PFAs	ASTMD7979-19M	01/05/24 00:09	AK240104W
S57021.02	34 PFAs	ASTMD7979-19M	01/05/24 00:29	AK240104W
S57021.03	34 PFAs	ASTMD7979-19M	01/05/24 00:49	AK240104W
S57021.04	34 PFAs	ASTMD7979-19M	01/05/24 01:09	AK240104W
S57021.05	34 PFAs	ASTMD7979-19M	01/05/24 01:29	AK240104W
S57021.06	34 PFAs	ASTMD7979-19M	01/05/24 01:49	AK240104W
S57021.07	34 PFAs	ASTMD7979-19M	01/05/24 02:09	AK240104W
S57021.08	34 PFAs	ASTMD7979-19M	01/05/24 02:29	AK240104W

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S57021.01

Sample Tag: SS-16

Collected Date/Time: 12/18/2023 11:35

Matrix: Liquid

COC Reference: 165449

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240104W, Run Date: 01/05/2024 00:09, Matrix: WW, Dilution: 1.88

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**100.8**	50.0	150.0
M2-6:2FTSA		**109.4**	50.0	150.0
M2-8:2FTSA		**89.0**	50.0	150.0
M2PFTeDA		**67.0**	12.0	218.0
M3PFBS		**91.6**	50.0	150.0
M3PFHxS		**99.1**	50.0	150.0
M4PFHpA		**103.3**	50.0	150.0
M5PFHxA		**98.2**	50.0	150.0
M5PFPeA		**102.9**	50.0	150.0
M6PFDA		**98.0**	50.0	150.0
M7PFUnDA		**93.5**	50.0	150.0
M8FOSA		**98.9**	50.0	150.0
M8PFOA		**95.4**	50.0	150.0
M8PFOS		**95.6**	50.0	150.0
M9-PFNA		**101.0**	50.0	150.0
MPFBA		**100.1**	50.0	150.0
MPFDoDA		**89.2**	50.0	150.0
d3N-MeFOSAA		**106.1**	50.0	150.0
d5EtFOSAA		**97.8**	50.0	150.0
MHFPO-DA		**91.7**	50.0	150.0
d-N-EtFOSA-M		**84.2**	50.0	150.0
d-N-MeFOSA-M		**86.0**	50.0	150.0
d7-N-MeFOSE-M		**87.5**	50.0	150.0
d9-N-EtFOSE-M		**84.7**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S57021.02

Sample Tag: SS-15

Collected Date/Time: 12/18/2023 11:42

Matrix: Liquid

COC Reference: 165449

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240104W, Run Date: 01/05/2024 00:29, Matrix: WW, Dilution: 1.95

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**101.0**	50.0	150.0
M2-6:2FTSA		**104.8**	50.0	150.0
M2-8:2FTSA		**88.6**	50.0	150.0
M2PFTeDA		**80.7**	12.0	218.0
M3PFBS		**92.8**	50.0	150.0
M3PFHxS		**90.1**	50.0	150.0
M4PFHpA		**104.6**	50.0	150.0
M5PFHxA		**98.6**	50.0	150.0
M5PFPeA		**101.0**	50.0	150.0
M6PFDA		**104.2**	50.0	150.0
M7PFUnDA		**95.8**	50.0	150.0
M8FOSA		**91.6**	50.0	150.0
M8PFOA		**94.6**	50.0	150.0
M8PFOS		**101.1**	50.0	150.0
M9-PFNA		**107.3**	50.0	150.0
MPFBA		**96.8**	50.0	150.0
MPFDoDA		**97.1**	50.0	150.0
d3N-MeFOSAA		**118.2**	50.0	150.0
d5EtFOSAA		**104.4**	50.0	150.0
MHFPO-DA		**87.5**	50.0	150.0
d-N-EtFOSA-M		**93.2**	50.0	150.0
d-N-MeFOSA-M		**93.0**	50.0	150.0
d7-N-MeFOSE-M		**86.5**	50.0	150.0
d9-N-EtFOSE-M		**88.1**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S57021.03

Sample Tag: SS-12

Collected Date/Time: 12/18/2023 11:55

Matrix: Liquid

COC Reference: 165449

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240104W, Run Date: 01/05/2024 00:49, Matrix: WW, Dilution: 1.96

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**103.1**	50.0	150.0
M2-6:2FTSA		**99.3**	50.0	150.0
M2-8:2FTSA		**85.2**	50.0	150.0
M2PFTeDA		**90.0**	12.0	218.0
M3PFBS		**94.2**	50.0	150.0
M3PFHxS		**96.8**	50.0	150.0
M4PFHpA		**103.9**	50.0	150.0
M5PFHxA		**93.6**	50.0	150.0
M5PFPeA		**98.0**	50.0	150.0
M6PFDA		**109.0**	50.0	150.0
M7PFUnDA		**96.9**	50.0	150.0
M8FOSA		**101.8**	50.0	150.0
M8PFOA		**102.2**	50.0	150.0
M8PFOS		**109.3**	50.0	150.0
M9-PFNA		**104.0**	50.0	150.0
MPFBA		**103.9**	50.0	150.0
MPFDoDA		**102.6**	50.0	150.0
d3N-MeFOSAA		**99.7**	50.0	150.0
d5EtFOSAA		**102.4**	50.0	150.0
MHFPO-DA		**89.4**	50.0	150.0
d-N-EtFOSA-M		**95.3**	50.0	150.0
d-N-MeFOSA-M		**88.8**	50.0	150.0
d7-N-MeFOSE-M		**90.0**	50.0	150.0
d9-N-EtFOSE-M		**92.0**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S57021.04

Sample Tag: SS-14

Collected Date/Time: 12/18/2023 12:14

Matrix: Liquid

COC Reference: 165449

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240104W, Run Date: 01/05/2024 01:09, Matrix: WW, Dilution: 2.05

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**97.7**	50.0	150.0
M2-6:2FTSA		**102.2**	50.0	150.0
M2-8:2FTSA		**100.4**	50.0	150.0
M2PFTeDA		**83.1**	12.0	218.0
M3PFBS		**94.0**	50.0	150.0
M3PFHxS		**104.9**	50.0	150.0
M4PFHpA		**105.1**	50.0	150.0
M5PFHxA		**88.7**	50.0	150.0
M5PFPeA		**100.4**	50.0	150.0
M6PFDA		**101.4**	50.0	150.0
M7PFUnDA		**104.2**	50.0	150.0
M8FOSA		**104.5**	50.0	150.0
M8PFOA		**106.5**	50.0	150.0
M8PFOS		**105.7**	50.0	150.0
M9-PFNA		**98.3**	50.0	150.0
MPFBA		**103.6**	50.0	150.0
MPFDoDA		**96.9**	50.0	150.0
d3N-MeFOSAA		**106.1**	50.0	150.0
d5EtFOSAA		**110.1**	50.0	150.0
MHFPO-DA		**97.4**	50.0	150.0
d-N-EtFOSA-M		**93.9**	50.0	150.0
d-N-MeFOSA-M		**92.5**	50.0	150.0
d7-N-MeFOSE-M		**96.0**	50.0	150.0
d9-N-EtFOSE-M		**87.3**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S57021.05

Sample Tag: SS-23

Collected Date/Time: 12/18/2023 12:25

Matrix: Liquid

COC Reference: 165449

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240104W, Run Date: 01/05/2024 01:29, Matrix: WW, Dilution: 1.91

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**102.0**	50.0	150.0
M2-6:2FTSA		**111.8**	50.0	150.0
M2-8:2FTSA		**84.0**	50.0	150.0
M2PFTeDA		**89.9**	12.0	218.0
M3PFBS		**90.9**	50.0	150.0
M3PFHxS		**91.5**	50.0	150.0
M4PFHpA		**110.3**	50.0	150.0
M5PFHxA		**103.8**	50.0	150.0
M5PFPeA		**102.2**	50.0	150.0
M6PFDA		**102.7**	50.0	150.0
M7PFUnDA		**96.8**	50.0	150.0
M8FOSA		**97.6**	50.0	150.0
M8PFOA		**102.2**	50.0	150.0
M8PFOS		**102.7**	50.0	150.0
M9-PFNA		**106.6**	50.0	150.0
MPFBA		**104.1**	50.0	150.0
MPFDoDA		**108.6**	50.0	150.0
d3N-MeFOSAA		**109.5**	50.0	150.0
d5EtFOSAA		**110.7**	50.0	150.0
MHFPO-DA		**91.9**	50.0	150.0
d-N-EtFOSA-M		**79.8**	50.0	150.0
d-N-MeFOSA-M		**87.1**	50.0	150.0
d7-N-MeFOSE-M		**90.4**	50.0	150.0
d9-N-EtFOSE-M		**91.5**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S57021.06

Sample Tag: MH-10E-W

Collected Date/Time: 12/18/2023 12:42

Matrix: Liquid

COC Reference: 165449

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240104W, Run Date: 01/05/2024 01:49, Matrix: WW, Dilution: 1.96

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**92.8**	50.0	150.0
M2-6:2FTSA		**114.3**	50.0	150.0
M2-8:2FTSA		**90.9**	50.0	150.0
M2PFTeDA		**97.9**	12.0	218.0
M3PFBS		**88.1**	50.0	150.0
M3PFHxS		**105.8**	50.0	150.0
M4PFHpA		**115.9**	50.0	150.0
M5PFHxA		**100.4**	50.0	150.0
M5PFPeA		**101.8**	50.0	150.0
M6PFDA		**103.8**	50.0	150.0
M7PFUnDA		**99.4**	50.0	150.0
M8FOSA		**108.7**	50.0	150.0
M8PFOA		**108.6**	50.0	150.0
M8PFOS		**105.3**	50.0	150.0
M9-PFNA		**102.6**	50.0	150.0
MPFBA		**104.2**	50.0	150.0
MPFDoDA		**114.7**	50.0	150.0
d3N-MeFOSAA		**114.5**	50.0	150.0
d5EtFOSAA		**102.8**	50.0	150.0
MHFPO-DA		**84.6**	50.0	150.0
d-N-EtFOSA-M		**95.7**	50.0	150.0
d-N-MeFOSA-M		**95.9**	50.0	150.0
d7-N-MeFOSE-M		**103.1**	50.0	150.0
d9-N-EtFOSE-M		**93.5**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S57021.07

Sample Tag: SS-10

Collected Date/Time: 12/18/2023 13:10

Matrix: Liquid

COC Reference: 165449

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240104W, Run Date: 01/05/2024 02:09, Matrix: WW, Dilution: 2.03

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**94.3**	50.0	150.0
M2-6:2FTSA		**103.3**	50.0	150.0
M2-8:2FTSA		**87.1**	50.0	150.0
M2PFTeDA		**91.0**	12.0	218.0
M3PFBS		**94.7**	50.0	150.0
M3PFHxS		**103.7**	50.0	150.0
M4PFHpA		**104.6**	50.0	150.0
M5PFHxA		**111.2**	50.0	150.0
M5PFPeA		**102.7**	50.0	150.0
M6PFDA		**109.1**	50.0	150.0
M7PFUnDA		**93.8**	50.0	150.0
M8FOSA		**95.0**	50.0	150.0
M8PFOA		**105.4**	50.0	150.0
M8PFOS		**110.6**	50.0	150.0
M9-PFNA		**109.6**	50.0	150.0
MPFBA		**102.6**	50.0	150.0
MPFDoDA		**99.1**	50.0	150.0
d3N-MeFOSAA		**99.2**	50.0	150.0
d5EtFOSAA		**105.1**	50.0	150.0
MHFPO-DA		**96.0**	50.0	150.0
d-N-EtFOSA-M		**91.3**	50.0	150.0
d-N-MeFOSA-M		**96.1**	50.0	150.0
d7-N-MeFOSE-M		**85.1**	50.0	150.0
d9-N-EtFOSE-M		**88.5**	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S57021.08

Sample Tag: Field Blank-121823

Collected Date/Time: 12/18/2023 14:15

Matrix: Liquid

COC Reference: 165449

Organics - Volatiles, Analysis: 34 PFAs

Run in Batch: AK240104W, Run Date: 01/05/2024 02:29, Matrix: WW, Dilution: 1.96

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**105.8**	50.0	150.0
M2-6:2FTSA		**117.8**	50.0	150.0
M2-8:2FTSA		**95.8**	50.0	150.0
M2PFTeDA		**78.5**	12.0	218.0
M3PFBS		**99.9**	50.0	150.0
M3PFHxS		**102.0**	50.0	150.0
M4PFHpA		**108.5**	50.0	150.0
M5PFHxA		**102.4**	50.0	150.0
M5PFPeA		**102.3**	50.0	150.0
M6PFDA		**112.6**	50.0	150.0
M7PFUnDA		**93.5**	50.0	150.0
M8FOSA		**107.0**	50.0	150.0
M8PFOA		**98.2**	50.0	150.0
M8PFOS		**105.3**	50.0	150.0
M9-PFNA		**102.4**	50.0	150.0
MPFBA		**106.7**	50.0	150.0
MPFDoDA		**98.8**	50.0	150.0
d3N-MeFOSAA		**100.3**	50.0	150.0
d5EtFOSAA		**110.1**	50.0	150.0
MHFPO-DA		**95.8**	50.0	150.0
d-N-EtFOSA-M		**94.6**	50.0	150.0
d-N-MeFOSA-M		**95.2**	50.0	150.0
d7-N-MeFOSE-M		**88.9**	50.0	150.0
d9-N-EtFOSE-M		**91.1**	50.0	150.0

Organics - Volatiles, Prep Batch ID: PF240104W2

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

Blank (BLK)

Lab Sample ID: AK240104W.BLK240104

Run in Batch: AK240104W, Run Date: 01/04/2024 21:09, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**94.5**	50.0	150.0
M2-6:2FTSA		**97.4**	50.0	150.0
M2-8:2FTSA		**89.7**	50.0	150.0
M2PFTeDA		**74.3**	12.0	218.0
M3PFBS		**92.2**	50.0	150.0
M3PFHxS		**98.8**	50.0	150.0
M4PFHpA		**110.4**	50.0	150.0
M5PFHxA		**97.3**	50.0	150.0
M5PFPeA		**93.4**	50.0	150.0
M6PFDA		**100.7**	50.0	150.0
M7PFUnDA		**90.3**	50.0	150.0
M8FOSA		**97.4**	50.0	150.0
M8PFOA		**95.8**	50.0	150.0
M8PFOS		**98.0**	50.0	150.0
M9-PFNA		**93.9**	50.0	150.0
MPFBA		**96.6**	50.0	150.0
MPFDoDA		**95.9**	50.0	150.0
d3N-MeFOSAA		**96.6**	50.0	150.0
d5EtFOSAA		**103.7**	50.0	150.0
MHFPO-DA		**89.8**	50.0	150.0
d-N-EtFOSA-M		**97.7**	50.0	150.0
d-N-MeFOSA-M		**92.2**	50.0	150.0
d7-N-MeFOSE-M		**89.3**	50.0	150.0
d9-N-EtFOSE-M		**99.5**	50.0	150.0

Laboratory Control Sample (LCS)

Lab Sample ID: AK240104W.LCS240104

Run in Batch: AK240104W, Run Date: 01/04/2024 20:29, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**94.0**	50.0	150.0
M2-6:2FTSA		**99.3**	50.0	150.0
M2-8:2FTSA		**88.8**	50.0	150.0
M2PFTeDA		**88.0**	12.0	218.0
M3PFBS		**85.0**	50.0	150.0
M3PFHxS		**89.3**	50.0	150.0
M4PFHpA		**100.6**	50.0	150.0
M5PFHxA		**99.6**	50.0	150.0
M5PFPeA		**97.5**	50.0	150.0
M6PFDA		**95.4**	50.0	150.0
M7PFUnDA		**95.3**	50.0	150.0
M8FOSA		**94.5**	50.0	150.0
M8PFOA		**101.6**	50.0	150.0
M8PFOS		**97.8**	50.0	150.0
M9-PFNA		**106.4**	50.0	150.0
MPFBA		**98.6**	50.0	150.0
MPFDoDA		**99.8**	50.0	150.0
d3N-MeFOSAA		**106.4**	50.0	150.0
d5EtFOSAA		**106.8**	50.0	150.0
MHFPO-DA		**96.1**	50.0	150.0
d-N-EtFOSA-M		**86.3**	50.0	150.0
d-N-MeFOSA-M		**91.2**	50.0	150.0
d7-N-MeFOSE-M		**87.1**	50.0	150.0
d9-N-EtFOSE-M		**86.8**	50.0	150.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK240104W.LCSD240104, Parent Sample ID: AK240104W.LCS240104

Run in Batch: AK240104W, Run Date: 01/04/2024 20:49, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**101.5**	50.0	150.0
M2-6:2FTSA		**109.1**	50.0	150.0
M2-8:2FTSA		**90.7**	50.0	150.0
M2PFTeDA		**86.9**	12.0	218.0
M3PFBS		**93.0**	50.0	150.0
M3PFHxS		**93.1**	50.0	150.0
M4PFHpA		**94.4**	50.0	150.0
M5PFHxA		**97.2**	50.0	150.0
M5PFPeA		**98.0**	50.0	150.0
M6PFDA		**99.2**	50.0	150.0
M7PFUnDA		**87.8**	50.0	150.0
M8FOSA		**94.6**	50.0	150.0
M8PFOA		**102.4**	50.0	150.0
M8PFOS		**95.5**	50.0	150.0
M9-PFNA		**92.1**	50.0	150.0
MPFBA		**97.0**	50.0	150.0
MPFDoDA		**94.6**	50.0	150.0
d3N-MeFOSAA		**94.6**	50.0	150.0
d5EtFOSAA		**99.0**	50.0	150.0
MHFPO-DA		**95.4**	50.0	150.0
d-N-EtFOSA-M		**92.4**	50.0	150.0
d-N-MeFOSA-M		**95.5**	50.0	150.0
d7-N-MeFOSE-M		**90.1**	50.0	150.0
d9-N-EtFOSE-M		**85.6**	50.0	150.0

Matrix Spike (MS)

Lab Sample ID: AK240104W.5702002M, Parent Sample ID: S57020.02

Run in Batch: AK240104W, Run Date: 01/04/2024 22:49, Prep Date: 01/04/2024, Matrix: WW, Dilution: 2

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**110.5**	50.0	150.0
M2-6:2FTSA		**95.7**	50.0	150.0
M2-8:2FTSA		**88.3**	50.0	150.0
M2PFTeDA		**80.4**	12.0	218.0
M3PFBS		**94.2**	50.0	150.0
M3PFHxS		**101.9**	50.0	150.0
M4PFHpA		**101.9**	50.0	150.0
M5PFHxA		**101.2**	50.0	150.0
M5PFPeA		**106.3**	50.0	150.0
M6PFDA		**102.6**	50.0	150.0
M7PFUnDA		**93.8**	50.0	150.0
M8FOSA		**105.6**	50.0	150.0
M8PFOA		**95.6**	50.0	150.0
M8PFOS		**100.9**	50.0	150.0
M9-PFNA		**102.8**	50.0	150.0
MPFBA		**107.0**	50.0	150.0
MPFDoDA		**99.1**	50.0	150.0
d3N-MeFOSAA		**103.6**	50.0	150.0
d5EtFOSAA		**104.8**	50.0	150.0
MHFPO-DA		**102.6**	50.0	150.0
d-N-EtFOSA-M		**99.8**	50.0	150.0
d-N-MeFOSA-M		**95.0**	50.0	150.0
d7-N-MeFOSE-M		**96.0**	50.0	150.0
d9-N-EtFOSE-M		**95.3**	50.0	150.0

Duplicate (DUP)

Lab Sample ID: AK240104W.5702001D, Parent Sample ID: S57020.01

Run in Batch: AK240104W, Run Date: 01/04/2024 22:09, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1.93

Internal Standard	Flags	%Rec	LCL	UCL
M2-4:2FTSA		**126.6**	50.0	150.0
M2-6:2FTSA		**124.2**	50.0	150.0
M2-8:2FTSA		**127.6**	50.0	150.0
M2PFTeDA		**83.5**	12.0	218.0
M3PFBS		**89.2**	50.0	150.0
M3PFHxS		**87.6**	50.0	150.0
M4PFHpA		**101.7**	50.0	150.0
M5PFHxA		**101.2**	50.0	150.0
M5PFPeA		**101.6**	50.0	150.0
M6PFDA		**103.6**	50.0	150.0
M7PFUnDA		**101.8**	50.0	150.0
M8FOSA		**106.0**	50.0	150.0
M8PFOA		**97.6**	50.0	150.0
M8PFOS		**99.1**	50.0	150.0
M9-PFNA		**94.7**	50.0	150.0
MPFBA		**106.0**	50.0	150.0
MPFDoDA		**99.8**	50.0	150.0
d3N-MeFOSAA		**121.2**	50.0	150.0
d5EtFOSAA	*	**173.5**	50.0	150.0
MHFPO-DA		**87.8**	50.0	150.0
d-N-EtFOSA-M		**92.6**	50.0	150.0
d-N-MeFOSA-M		**90.6**	50.0	150.0
d7-N-MeFOSE-M		**98.4**	50.0	150.0
d9-N-EtFOSE-M		**95.8**	50.0	150.0

Organics - Volatiles, Prep Batch ID: PF240104W2

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

Blank (BLK)

Lab Sample ID: AK240104W.BLK240104

Run in Batch: AK240104W, Run Date: 01/04/2024 21:09, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
PFBA		ND	5	ng/l
PFMPA		ND	1	ng/l
FPrPA (3:3 FTCA)		ND	5	ng/l
PFPrS		ND	1	ng/l
PFPeA		ND	2	ng/l
PFMBA		ND	1	ng/l
4:2 FTSA		ND	1	ng/l
NFDHA		ND	1	ng/l
PFHxA		ND	1	ng/l
PFBS		ND	1	ng/l
HFPO-DA		ND	5	ng/l
FPePA (5:3 FTCA)		ND	5	ng/l
PFEESA		ND	1	ng/l
PFHpA	J*	0.77	2	ng/l
ADONA		ND	1	ng/l
PFPeS		ND	1	ng/l
PFBSA		ND	1	ng/l
6:2 FTSA		ND	1	ng/l
PFOA		ND	1	ng/l
PFHxS-BR		ND	1	ng/l
PFHxS		ND	1	ng/l
PFHxS-LN		ND	1	ng/l
FHpPA (7:3 FTCA)		ND	5	ng/l
PFNA		ND	1	ng/l
8:2 FTSA		ND	1	ng/l
PFECHS		ND	1	ng/l
PFHpS		ND	1	ng/l
N-MeFOSAA		ND	1	ng/l
PFDA		ND	1	ng/l
EtFOSAA		ND	2	ng/l
PFOS		ND	1	ng/l
PFOS-BR		ND	1	ng/l
PFHxSA		ND	1	ng/l
PFOS-LN		ND	1	ng/l
PFUnDA		ND	1	ng/l
9CL-PF3ONS		ND	1	ng/l
PFNS		ND	1	ng/l
PFDoDA		ND	1	ng/l
PFDS		ND	1	ng/l
PFTrDA		ND	1	ng/l
FOSA		ND	1	ng/l
11CL-PF3OUdS		ND	1	ng/l
PFTeDA		ND	2	ng/l
PFDOS		ND	3	ng/l
NMeFOSE		ND	2	ng/l
NMeFOSAM		ND	1	ng/l

Organics - Volatiles, Prep Batch ID: PF240104W2 (continued)

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

Blank (BLK) (continued)

Lab Sample ID: AK240104W.BLK240104

Run in Batch: AK240104W, Run Date: 01/04/2024 21:09, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
NEtFOSE		ND	2	ng/l
NEtFOSAM		ND	1	ng/l

Laboratory Control Sample (LCS)

Lab Sample ID: AK240104W.LCS240104

Run in Batch: AK240104W, Run Date: 01/04/2024 20:29, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFBA		102.8	70.0	130.0
PFMPA		94.4	70.0	130.0
FPrPA (3:3 FTCA)		92.0	70.0	130.0
PFPrS		102.6	70.0	130.0
PFPeA		92.0	70.0	130.0
PFMBA		74.6	70.0	130.0
4:2 FTSA		98.2	70.0	130.0
NFDHA		86.4	70.0	130.0
PFHxA		88.8	70.0	130.0
PFBS		88.8	70.0	130.0
HFPO-DA		79.6	70.0	130.0
FPePA (5:3 FTCA)		88.4	70.0	130.0
PFEESA		80.8	70.0	130.0
PFHpA		91.4	70.0	130.0
ADONA		84.0	70.0	130.0
PFPeS		91.8	70.0	130.0
PFBSA		71.6	70.0	130.0
6:2 FTSA		96.8	70.0	130.0
PFOA		90.6	70.0	130.0
PFHxS		108.0	70.0	130.0
FHpPA (7:3 FTCA)		119.8	70.0	130.0
PFNA		86.6	70.0	130.0
8:2 FTSA		102.8	70.0	130.0
PFECHS		84.4	70.0	130.0
PFHpS		97.4	70.0	130.0
N-MeFOSAA		111.8	70.0	130.0
PFDA		93.8	70.0	130.0
EtFOSAA		80.6	70.0	130.0
PFOS		93.6	70.0	130.0
PFHxSA		76.4	70.0	130.0
PFUnDA		102.6	70.0	130.0
9CL-PF3ONS		95.4	70.0	130.0
PFNS		105.6	70.0	130.0
PFDoDA		91.2	70.0	130.0
PFDS		96.2	70.0	130.0
PFTrDA		90.8	70.0	130.0
FOSA		94.0	70.0	130.0
11CL-PF3OUdS		93.6	70.0	130.0
PFTeDA		83.8	70.0	130.0

Organics - Volatiles, Prep Batch ID: PF240104W2 (continued)

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

Laboratory Control Sample (LCS) (continued)

Lab Sample ID: AK240104W.LCS240104

Run in Batch: AK240104W, Run Date: 01/04/2024 20:29, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFDOS		109.4	70.0	130.0
NMeFOSE		88.2	70.0	130.0
NMeFOSAM		85.8	70.0	130.0
NEtFOSE		101.4	70.0	130.0
NEtFOSAM		98.8	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: AK240104W.LCSD240104, Parent Sample ID: AK240104W.LCS240104

Run in Batch: AK240104W, Run Date: 01/04/2024 20:49, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFBA		100.0	70.0	130.0	2.8	30.0
PFMPA		97.6	70.0	130.0	3.3	30.0
FPrPA (3:3 FTCA)		98.2	70.0	130.0	6.5	30.0
PFPrS		96.0	70.0	130.0	6.6	30.0
PFPeA		93.0	70.0	130.0	1.1	30.0
PFMBA		80.6	70.0	130.0	7.7	30.0
4:2 FTSA		92.6	70.0	130.0	5.9	30.0
NFDHA		84.8	70.0	130.0	1.9	30.0
PFHxA		87.8	70.0	130.0	1.1	30.0
PFBS		86.4	70.0	130.0	2.7	30.0
HFPO-DA		79.4	70.0	130.0	0.3	30.0
FPePA (5:3 FTCA)		91.2	70.0	130.0	3.1	30.0
PFEESA		78.0	70.0	130.0	3.5	30.0
PFHpA		90.0	70.0	130.0	1.5	30.0
ADONA		87.0	70.0	130.0	3.5	30.0
PFPeS		93.0	70.0	130.0	1.3	30.0
PFBSA		77.4	70.0	130.0	7.8	30.0
6:2 FTSA		87.0	70.0	130.0	10.7	30.0
PFOA		92.2	70.0	130.0	1.8	30.0
PFHxS		94.2	70.0	130.0	13.6	30.0
FHpPA (7:3 FTCA)		100.2	70.0	130.0	17.8	30.0
PFNA		101.0	70.0	130.0	15.4	30.0
8:2 FTSA		108.0	70.0	130.0	4.9	30.0
PFECHS		93.2	70.0	130.0	9.9	30.0
PFHpS		103.6	70.0	130.0	6.2	30.0
N-MeFOSAA		115.0	70.0	130.0	2.8	30.0
PFDA		94.2	70.0	130.0	0.4	30.0
EtFOSAA		94.4	70.0	130.0	15.8	30.0
PFOS		91.6	70.0	130.0	2.2	30.0
PFHxSA		82.8	70.0	130.0	8.0	30.0
PFUnDA		107.4	70.0	130.0	4.6	30.0
9CL-PF3ONS		89.2	70.0	130.0	6.7	30.0
PFNS		97.6	70.0	130.0	7.9	30.0
PFDoDA		90.6	70.0	130.0	0.7	30.0
PFDS		100.2	70.0	130.0	4.1	30.0
PFTrDA		103.0	70.0	130.0	12.6	30.0

Organics - Volatiles, Prep Batch ID: PF240104W2 (continued)

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

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: AK240104W.LCSD240104, Parent Sample ID: AK240104W.LCS240104

Run in Batch: AK240104W, Run Date: 01/04/2024 20:49, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
FOSA		100.6	70.0	130.0	6.8	30.0
11CL-PF3OUdS		96.6	70.0	130.0	3.2	30.0
PFTeDA		98.4	70.0	130.0	16.0	30.0
PFDOS		118.0	70.0	130.0	7.6	30.0
NMeFOSE		89.8	70.0	130.0	1.8	30.0
NMeFOSAM		83.4	70.0	130.0	2.8	30.0
NEtFOSE		101.4	70.0	130.0	0.0	30.0
NEtFOSAM		94.0	70.0	130.0	5.0	30.0

Matrix Spike (MS)

Lab Sample ID: AK240104W.5702002M, Parent Sample ID: S57020.02

Run in Batch: AK240104W, Run Date: 01/04/2024 22:49, Prep Date: 01/04/2024, Matrix: WW, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
PFBA		110.0	70.0	130.0
PFPeA		98.0	70.0	130.0
4:2 FTSA		94.0	70.0	130.0
PFHxA		89.0	70.0	130.0
PFBS		84.7	70.0	130.0
PFHpA		92.2	70.0	130.0
PFPeS		86.0	70.0	130.0
6:2 FTSA		100.0	70.0	130.0
PFOA		98.8	70.0	130.0
PFHxS		95.4	70.0	130.0
PFNA		91.0	70.0	130.0
8:2 FTSA		110.0	70.0	130.0
PFHpS		93.0	70.0	130.0
PFDA		100.0	70.0	130.0
N-MeFOSAA		110.0	70.0	130.0
EtFOSAA		90.0	70.0	130.0
PFOS		97.0	70.0	130.0
PFUnDA		110.0	70.0	130.0
PFNS		100.0	70.0	130.0
PFDoDA		91.0	70.0	130.0
PFDS		110.0	70.0	130.0
PFTrDA		96.0	70.0	130.0
FOSA		90.0	70.0	130.0
PFTeDA		110.0	70.0	130.0
11CL-PF3OUdS		84.0	70.0	130.0
9CL-PF3ONS		94.0	70.0	130.0
ADONA		94.0	70.0	130.0
HFPO-DA		82.0	70.0	130.0
FHpPA (7:3 FTCA)		120.0	70.0	130.0
FPePA (5:3 FTCA)		100.0	70.0	130.0
FPrPA (3:3 FTCA)		96.0	70.0	130.0
PFBSA		73.0	70.0	130.0
PFECHS		91.0	70.0	130.0

Organics - Volatiles, Prep Batch ID: PF240104W2 (continued)

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

Matrix Spike (MS) (continued)

Lab Sample ID: AK240104W.5702002M, Parent Sample ID: S57020.02

Run in Batch: AK240104W, Run Date: 01/04/2024 22:49, Prep Date: 01/04/2024, Matrix: WW, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
PFHxSA		74.0	70.0	130.0

Duplicate (DUP)

Lab Sample ID: AK240104W.5702001D, Parent Sample ID: S57020.01

Run in Batch: AK240104W, Run Date: 01/04/2024 22:09, Prep Date: 01/04/2024, Matrix: WW, Dilution: 1.93

Analyte	Flags	RPD	RPD CL
PFBA		NC	30.0
PFPeA	J	8.0	30.0
4:2 FTSA		NC	30.0
PFHxA		NC	30.0
PFBS		3.5	30.0
PFHpA	J	10.0	30.0
PFPeS		NC	30.0
6:2 FTSA		NC	30.0
PFOA	J	23.0	30.0
PFHxS	*	50.0	30.0
PFHxS-LN	*	50.0	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		20.7	30.0
PFOS-LN		2.9	30.0
PFOS-BR		22.2	30.0
PFUnDA		NC	30.0
PFNS		NC	30.0
PFDoDA		NC	30.0
PFDS		NC	30.0
PFTrDA		NC	30.0
FOSA		NC	30.0
PFTeDA		NC	30.0
11CL-PF3OUdS		NC	30.0
9CL-PF3ONS		NC	30.0
ADONA		NC	30.0
HFPO-DA		NC	30.0
FHpPA (7:3 FTCA)		NC	30.0
FPePA (5:3 FTCA)		NC	30.0
FPrPA (3:3 FTCA)		NC	30.0
PFBSA	J	4.4	30.0
PFECHS		0.0	30.0
PFHxSA		NC	30.0

Merit Laboratories, Inc.

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C.O.C. PAGE # 1 OF 1

165449

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.: 313-333-0211 CELL NO.: P.O. NO.: 1940006516 Task 37
E-MAIL ADDRESS: Clifford.Yantz@Ramboll.com; Kevin.Schneider@Ramboll.com QUOTE NO.:

INVOICE TO

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

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

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

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

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

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

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

MERIT LAB NO. (FOR LAB USE ONLY)	COLLECTION DATE	COLLECTION TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS (7471)	Special Instructions
570219	12/18/23	1135	SS-16	L	3	X							X	Low level Reporting with estimated values
.02		1142	SS-15										X	
.03		1155	SS-12										X	
.04		1214	SS-14										X	
.05		1225	SS-23										X	34 PFAS List
.06		1242	MH-10E-W										X	
.07		1310	SS-10										X	
.08	↓	1415	Field Blank-121823	↓	1	↓							X	

1415

RELINQUISHED BY: SIGNATURE/ORGANIZATION	X ☐ Sampler	DATE 12/18/23	TIME 1345	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 12/19/23	TIME 1343	
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE 12/19/23	TIME 1430	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 12/19/23	TIME 1430	

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 4.0

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

Rev. 1.26.22