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ENVIRONMENT
& HEALTH

Transmitted via email

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Materials Management Division
Department of Environment, Great Lakes, and Energy
PO Box 30473
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Mr. Robert Ellis
Department of Public Works Manager
Genesee Township
7244 N. Genesee Road
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RE: **Stanley Road Sanitary Sewer Update**
RACER Trust – Coldwater Road Facility
FILE: 15388/1940113233/Corres

Dear **Ms. Sanabria, Ms. Hebert, Mr. Ellis, & Ms. Glasgow**:

Ramboll Americas Engineering Solutions, Inc. (Ramboll), on behalf of the Revitalizing Auto Communities Environmental Response Trust (RACER Trust) is providing this letter to summarize the per- and polyfluoroalkyl substances (PFAS) sanitary sewer sample results collected from the Genesee Township sanitary sewer along the north side of Stanley Road and north of the RACER Trust Coldwater Road Facility (Site) located in Flint, Michigan.

The samples were collected on June 26, 2025, at sample locations SAN-2, SAN-08, SAN-09, SAN-21, and manhole 11-07C016. See **Figure 1** for sample and repair locations. As noted below, repairs to the sewer were completed in September 2020.

Sanitary sewer sampling was performed in accordance with the methods specified in EGLE's Wastewater PFAS Sampling Guidance.

Analytical Results

The sewer samples were analyzed for PFAS by method ASTMD7979-19 (no preservative). The analytical results for the recent sewer samples and historical samples are summarized in **Table 1**, and the analytical laboratory reports are included in **Appendix A**. The sample locations discussed below are presented upgradient to downgradient.

- SAN-09, which is upgradient of the PFAS-impacted shallow groundwater zone, had a detection of 5.6 nanograms per liter (ng/l) for perfluorooctane sulfonic acid (PFOS) on June 26, 2025, which is on the low end of the range of previously detected concentrations and is a decrease compared to the previous result of 9.0 ng/l (12/19/2024) for PFOS.
- SAN-2 had a detection of 42 ng/l for PFOS on June 26, 2025, which is on the high end of the range of previously detected concentrations and is an increase compared to the previous result of 27 ng/l (12/19/2024) for PFOS.
- 11-07C016 had a detection of 26 ng/l for PFOS on June 26, 2025, which is near the middle of the range of previously detected concentrations and is a slight increase to the previous result of 22 ng/l (12/19/2024) for PFOS.
- SAN-08 had a detection of 20 ng/l for PFOS on June 26, 2025, which is near the middle of the range of previously detected concentrations and is a decrease compared to the previous result of 25 ng/l (12/19/2024) for PFOS.
- SAN-21, which is downgradient of the PFAS-impacted shallow groundwater zone, had a detection of 14 ng/l for PFOS on June 26, 2025, which is on the low end of the range of previously detected concentrations and is a decrease compared to the previous result of 19 ng/l (12/19/2024) for PFOS.

The observed flow rates during sampling were consistent with those observed during previous post-repair sampling events (repairs completed in September 2020) and remain significantly lower than before the sewer line repairs were completed. Although PFOS concentrations vary at a given sampling location, they remain within a range that is lower than the concentrations observed before repairs were implemented.

Based on these results and to continue to allow for evaluation of concentration variability and trends, we propose to collect another round of samples in December 2025 from these same locations, the upstream sample location SAN-09, SAN-2, 11-07C016, SAN-08, and downstream sample location SAN-21. An update similar to this one will be provided within approximately four weeks of receipt of the analytical results from the laboratory.

Please contact me at 313-333-0211 or clifford.yantz@ramboll.com or Brendan Mullen at bmullen@racertrust.org or 201-247-4890, if you have any questions.

Very truly yours,
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

Clifford S. Yantz
Project Manager
1943864 - MIDWEST EAST Resources 056

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ENCLOSURES:

Table 1 – Sanitary Sewer Analytical Results – Stanley Road
Figure 1 – Stanley Road Sanitary Sewer/Manhole Point Repairs and Sample Locations
Appendix A – Laboratory Analytical Reports

cc: Mr. Daniel K Eashoo - Genesee Township Supervisor (via email)
Mr. Thad Domick – GCDCWWS (via email)
Mr. Kevin DePottey – GCDCWWS (via email)
Mr. Brent Pittenger – GCDCWWS (via email)
Ms. Anne Tavalire – EGLE (via email)
Mr. Brian Zuber – EGLE (via email)
Mr. Brendan Mullen – RACER Trust (via email)
Mr. David Favero – RACER Trust (via email)
Mr. Kevin Schneider – Ramboll (via email)
EGLE MMD-HWS Electronic Mailbox

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TABLES

TABLE 1
RACER Trust - Coldwater Road
Per-and Polyfluoroalkyl Substances Sampling Results
Sanitary Sewer Samples - Stanley Road

Coldwater Rd - Sanitary Sewer Samples - Stanley Road

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	II-07C016 (Sanitary Sewer) 5/20/2021	II-07C016 (Sanitary Sewer) 8/25/2021	II-07C016 (Sanitary Sewer) 12/9/2021	II-07C016 (Sanitary Sewer) 3/31/2022	II-07C016 (Sanitary Sewer) 9/7/2022	II-07C016 (Sanitary Sewer) 12/13/2022	II-07C016 (Sanitary Sewer) 4/6/2023	II-07C016 (Sanitary Sewer) 6/27/2023
Perfluorobutanoic Acid (PFBA)	--	<10	<10	<9.8 X	<21 X	<11	<10	<10	<9.6
Perfluoropentanoic Acid (PFPeA)	--	**1.1 J**	**1.9 J**	**2.2 J**	<4.1	<4.3	<4.1	**1.5 J**	<3.8
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluorohexanoic Acid (PFHxA)	--	<2.0	<2.0	**2.0**	<2.1	<2.2	<2.0	**1.3 J**	**1.5 J**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**2.0 J**	<2.0	**2.4**	**2.8**	**2.0 J**	**1.6 J**	**6.6**	**4.0**
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	**1.2 J**	<1.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	**1.0 J**	<1.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<4.1	<4.1	<3.9	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluorooctanoic Acid (**PFOA**)	**170**	<2.0	**1.8 J**	**2.3**	<2.1	**3.1**	**1.8 J**	<2.0	**3.2**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**2.9**	**3.2**	**3.6**	<2.1	**4.7**	**4.0**	**2.5**	**2.2**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**2.2**	**2.2**	**2.9**	<2.1	**3.7**	**3.0**	**2.1**	**2.2**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	**1.0 J**	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<4.1	<3.9	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.1	<4.1	<3.9	<4.1	<4.3	<4.1	<4.0	<3.8
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**24**	**27**	**19**	**19**	**43**	**31**	**27**	**27**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**7.0**	**9.4**	**5.8**	**3.2**	**13**	**8.6**	**12**	**8.2**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**17**	**18**	**14**	**15**	**30**	**22**	**13**	**19**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<4.1	<3.9	<4.1	<4.3	<4.1	<4.0	<3.8
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.0	<2.1	<2.2	<2.0	<2.0	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<10	<10	<9.8	<4.1	<11	<10	<2.0	<1.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<3.8
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	<3.8
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<3.8
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<1.9
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	**140**
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<1.9
Total Per-and Polyfluoroalkyl Substances	--	**30.0**	**33.9**	**31.5**	**21.8**	**52.8**	**38.4**	**42.1**	**177.9**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the 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
Per-and Polyfluoroalkyl Substances Sampling Results
Sanitary Sewer Samples - Stanley Road

Coldwater Rd - Sanitary Sewer Samples - Stanley Road

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	II-07C016 (Sanitary Sewer) 12/19/2023	II-07C016 (Sanitary Sewer) 6/27/2024	II-07C016 (Sanitary Sewer) 12/19/2024	II-07C016 (Sanitary Sewer) 6/26/2025	SAN-1 (Sanitary Sewer) 11/5/2019	SAN-1 (Sanitary Sewer) 3/17/2020	SAN-1 (Sanitary Sewer) 12/18/2020	SAN-2 (Sanitary Sewer) 11/5/2019
Perfluorobutanoic Acid (PFBA)	--	<29 X	<9.8	<9.5	**3.6 J**	<20	<21	<10	<20
Perfluoropentanoic Acid (PFPeA)	--	<3.8	<3.9	<3.8	**1.5 J**	<9.9	<11	<4.1	<9.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluorohexanoic Acid (PFHxA)	--	<1.9	<2.0	**3.5**	**1.1 J**	<9.9	<11	<2.1	<9.9
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**2.0**	**2.0**	**1.2 J**	<2.0	<9.9	<11	**1.7 J**	<9.9
Perfluoroheptanoic Acid (PFHpA)	--	<3.8	<2.0	**0.96 J**	<2.0	<9.9	<11	<2.1	<9.9
Perfluoropentane Sulfonic Acid (PFPeS)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluorooctanoic Acid (**PFOA**)	**170**	**1.3 J**	**1.7 J**	**1.3 J**	**1.7 J**	<9.9	<11	<2.1	<9.9
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**2.6**	**2.0**	**3.4**	**3.5**	<9.9	<11	**2.3**	<9.9
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**2.1**	**2.0**	**2.2**	**2.1**	<9.9	<11	**1.7 J**	<9.9
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluorononanoic Acid (PFNA)	**30**	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<1.9	**0.86 J**	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluorodecanoic Acid (PFDA)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<3.8	<3.9	<3.8	<4.1	<9.9	<11	<4.1	<9.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**19**	**20**	**22**	**26**	**55**	**59**	**24**	**37**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**6.0**	**4.9**	**5.9**	**8.1**	**18**	**18**	**6.9**	**11**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**13**	**13**	**15**	**15**	**36**	**42**	**16**	**23**
Perfluoroundecanoic Acid (PFUnDA)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluorononane Sulfonic Acid (PFNS)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluorododecanoic Acid (PFDoDA)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluorodecane Sulfonic Acid (PFDS)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluorotridecanoic Acid (PFTrDA)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluorooctane Sulfonamide (FOSA)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Perfluorotetradecanoic Acid (PFTeDA)	--	<3.8	<3.9	<3.8	<4.1	<9.9	<11	<4.1	<9.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<1.9	<2.0	<1.9	<2.0	<9.9	<11	<2.1	<9.9
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<9.6	<9.8	<9.5	<10	<9.9	<11	<2.1	<9.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	<9.6	<9.8	<9.5	<10	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	<9.6	<9.8	<9.5	<10	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	<9.6	<9.8	<9.5	<10	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	**0.60 J**	<2.0	<1.9	<2.0	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	**65**	**86**	**76**	**86**	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	<1.9	<2.0	<1.9	<2.0	--	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	**90.5**	**112.6**	**108.4**	**123.4**	**55.0**	**59.0**	**28.0**	**37.0**

Notes
1) Detections in **bold**.
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4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
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Sanitary Sewer Samples - Stanley Road

Coldwater Rd - Sanitary Sewer Samples - Stanley Road

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	SAN-2 (Sanitary Sewer) 5/20/2021	SAN-2 (Sanitary Sewer) 8/25/2021	SAN-2 (Sanitary Sewer) 12/9/2021	SAN-2 (Sanitary Sewer) 3/31/2022	SAN-DUP-033122 SAN-2 (Sanitary Sewer) 3/31/2022	SAN-2 (Sanitary Sewer) 9/7/2022	SAN-2 (Sanitary Sewer) 12/13/2022	SAN-2 (Sanitary Sewer) 4/6/2023
Perfluorobutanoic Acid (PFBA)	--	<10	<10	**13**	<21 X	<20 X	<11	<10	<9.7
Perfluoropentanoic Acid (PFPeA)	--	<4.2	**4.3**	**1.5 J**	<4.2	<4.0	<4.2	**1.2 J**	**1.3 J**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
Perfluorohexanoic Acid (PFHxA)	--	<2.1	**7.4**	<1.9	<2.1	<2.0	<2.1	**1.5 J**	**1.2 J**
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**1.8 J**	**1.9 J**	**2.4**	**3.1**	**3.9**	**2.2**	**1.6 J**	**7.1**
Perfluoroheptanoic Acid (PFHpA)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	**1.1 J**
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	**1.0 J**
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<4.2	<4.1	<3.8	<2.1	<2.0	<2.1	<2.0	<1.9
Perfluorooctanoic Acid (**PFOA**)	**170**	<2.1	**3.2**	**2.3**	<2.1	<2.0	**2.5**	**1.8 J**	<1.9
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**2.8**	**4.0**	**4.1**	**3.5**	**3.4**	**4.0**	**3.3**	**2.1**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**1.7 J**	**3.1**	**2.5**	<2.1	<2.0	**3.0**	**2.5**	**1.7 J**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
Perfluorononanoic Acid (PFNA)	**30**	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.1	<4.1	<3.8	<2.1	<2.0	<2.1 **I**	<2.0	<1.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
Perfluorodecanoic Acid (PFDA)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.2	<4.1	<3.8	<4.2	<4.0	<4.2	<4.0	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**22**	**31**	**20**	**24**	**24**	**43**	**29**	**9.8**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**6.0**	**10**	**7.1**	**5.2**	**5.1**	**14**	**7.7**	**2.8**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**16**	**21**	**13**	**19**	**20**	**29**	**20**	**7.2**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
Perfluorononane Sulfonic Acid (PFNS)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
Perfluorododecanoic Acid (PFDoDA)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
Perfluorotridecanoic Acid (PFTrDA)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
Perfluorooctane Sulfonamide (FOSA)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.2	<4.1	<3.8	<4.2	<4.0	**2.1 J**	<4.0	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.1	<2.0	<1.9	<2.1	<2.0	<2.1	<2.0	<1.9
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<10	<10	<9.6	<4.2	<4.0	<11	<10	<1.9
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	**26.6**	**51.8**	**43.3**	**30.6**	**31.3**	**53.8**	**38.4**	**23.6**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) 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
Per-and Polyfluoroalkyl Substances Sampling Results
Sanitary Sewer Samples - Stanley Road

Coldwater Rd - Sanitary Sewer Samples - Stanley Road

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	SAN-2 (Sanitary Sewer) 6/27/2023	SAN-2 (Sanitary Sewer) 12/19/2023	SAN-2 (Sanitary Sewer) 6/27/2024	SAN-2 (Sanitary Sewer) 12/19/2024	SAN-2 (Sanitary Sewer) 6/26/2025	SAN-08 (Sanitary Sewer) 3/18/2020	SAN-08 (Sanitary Sewer) 9/22/2020	SAN-08 (Sanitary Sewer) 12/18/2020
Perfluorobutanoic Acid (PFBA)	--	<10	<31 X	**5.4 J**	<9.7	**3.5 J**	<20	<9.9	<9.9
Perfluoropentanoic Acid (PFPeA)	--	<4.1	**1.2 J**	**1.5 J**	**1.4 J**	<3.9	<10	<3.9	<4.0
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.1	<2.0 I	<2.0	<1.9 I	<1.9	<10	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	--	<2.1	<2.0	<2.0	**3.8**	<1.9	<10	<2.0	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**2.0 J**	**2.3**	**2.7**	**2.8**	**1.9**	<10	<2.0	**1.7 J**
Perfluoroheptanoic Acid (PFHpA)	--	<2.1	<3.9	<2.0	**1.2 J**	<1.9	<10	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**170**	**2.4**	**1.0 J**	**2.9**	**2.7**	**1.4 J**	<10	<2.0	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**1.9 J**	**1.7 J**	**3.0**	**5.0**	**2.5**	<10	**2.8**	**2.4**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**1.9 J**	**1.3 J**	**2.0**	**3.4**	**1.9**	<10	**2.0**	**1.6 J**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.1	<2.0	<2.0	**1.4 J**	<1.9	<10	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**30**	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.1	<3.9	<3.9	<3.9	<3.9	<10	<3.9	<4.0
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**17**	**17**	**24**	**27**	**16**	**42**	**17**	**14**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**6.4**	**5.1**	**6.4**	**6.1**	**5.4**	**12**	**5.0**	**3.6**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**11**	**11**	**17**	**19**	**9.8**	**30**	**10**	**9.5**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.1	<4.0	<3.9	<3.9	<3.9	<10	<3.9	<4.0
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.1	<2.0	<2.0	<1.9	<1.9	<10	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<2.1	<9.8	<9.8	<9.7	<9.7	<10	<2.0	<2.0
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	<4.1	<9.8	<9.8	<9.7	<9.7	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	<4.1	<9.8	<9.8	<9.7	<9.7	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	<4.1	<9.8	<9.8	<9.7	<9.7	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	<2.1	**0.63 J**	<2.0	<1.9	<1.9	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	**90**	**52**	**100**	**100**	**60**	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	<2.1	<2.0	<2.0	<1.9	<1.9	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	**113.3**	**75.8**	**139.5**	**143.9**	**85.3**	**42.0**	**19.8**	**18.1**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in 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
Per-and Polyfluoroalkyl Substances Sampling Results
Sanitary Sewer Samples - Stanley Road

Coldwater Rd - Sanitary Sewer Samples - Stanley Road

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	SAN-08 (Sanitary Sewer) 5/20/2021	SAN-08 (Sanitary Sewer) 8/25/2021	SAN-08 (Sanitary Sewer) 12/9/2021	SAN-08 (Sanitary Sewer) 3/31/2022	SAN-08 (Sanitary Sewer) 9/7/2022	SAN-08 (Sanitary Sewer) 12/13/2022	SAN-08 (Sanitary Sewer) 4/6/2023	SAN-08 (Sanitary Sewer) 6/27/2023
Perfluorobutanoic Acid (PFBA)	--	<10	<10	<10 X	<21 X	<10	<10	<10	<9.8
Perfluoropentanoic Acid (PFPeA)	--	<4.0	**1.3 J**	<4.1	<4.1	<4.0	<4.0	**2.0 J**	**1.4 J**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)	--	<2.0	<2.0	<2.0	<2.1	<2.0	**1.7 J**	**2.0 J**	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**1.6 J**	**1.8 J**	**2.2**	**4.3**	**1.4 J**	**2.4**	**6.5**	**3.2**
Perfluoroheptanoic Acid (PFHpA)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	**1.3 J**	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<4.0	<4.0	<4.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)	**170**	<2.0	**2.3**	**2.2**	<2.1	**2.6**	**2.3**	**2.2**	**1.9 J**
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**2.3**	**2.0**	**3.1**	<2.1	**3.3**	**3.5**	**3.4**	**1.9 J**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**1.6 J**	<2.0	**2.5**	<2.1	**2.7**	**2.7**	**2.8**	**1.9 J**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<4.0	<4.1	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.0	<4.0	<4.1	<4.1	<4.0	<4.0	<4.0	<3.9
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**16**	**16**	**25**	**9.2**	**24**	**25**	**7.6**	**25**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**4.1**	**5.3**	**8.7**	**2.5**	**6.0**	**6.4**	**2.0**	**7.3**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**12**	**11**	**17**	**6.3**	**17**	**18**	**6.0**	**17**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.0	<4.0	<4.1	<4.1	<4.0	<4.0	<4.0	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<10	<10	<10	<4.1	<10	<10	<2.0	<2.0
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	--	--	--	--	--	--	--	<3.9
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	--	--	--	--	--	--	--	<3.9
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	--	--	--	--	--	--	--	<3.9
Perfluorobutanesulfonamide (PFBSA)	--	--	--	--	--	--	--	--	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	--	--	--	--	--	--	--	**110**
Perfluorohexanesulfonamide (PFHxSA)	--	--	--	--	--	--	--	--	<2.0
Total Per-and Polyfluoroalkyl Substances	--	**19.9**	**23.4**	**32.5**	**13.5**	**31.3**	**34.9**	**25.0**	**143.4**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the 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
Per-and Polyfluoroalkyl Substances Sampling Results
Sanitary Sewer Samples - Stanley Road

Coldwater Rd - Sanitary Sewer Samples - Stanley Road

Perfluorinated Compound / Well/Sample ID: / Sample Date:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	SAN-08 (Sanitary Sewer) 12/19/2023	SAN-08 (Sanitary Sewer) 6/27/2024	SAN-08 (Sanitary Sewer) 12/19/2024	SAN-08 (Sanitary Sewer) 6/26/2025	SAN-09 (Sanitary Sewer) 3/18/2020	SAN-09 (Sanitary Sewer) 5/20/2021	SAN-09 (Sanitary Sewer) 8/25/2021	SAN-09 (Sanitary Sewer) 12/9/2021
Perfluorobutanoic Acid (PFBA)	--	<24 X	<10	<10	<9.9	<19	<9.7	<10	<9.8
Perfluoropentanoic Acid (PFPeA)	--	<4.0	<4.1	**2.0 J**	<4.0	<9.7	**1.6 J**	**1.4 J**	<3.9
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1 I	<2.0 I
Perfluorohexanoic Acid (PFHxA)	--	<2.0	<2.0	**3.9**	<2.0	<9.7	**2.6**	<2.1	<2.0
Perfluorobutane Sulfonic Acid (PFBS)	**670,000**	**2.3**	**1.9 J**	**1.3 J**	**2.8**	<9.7	<1.9	<2.1	**2.1**
Perfluoroheptanoic Acid (PFHpA)	--	<4.0	<2.0	**0.96 J**	<2.0	<9.7	<1.9	<2.1	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<3.9	<4.2 I	<3.9 I
Perfluorooctanoic Acid (**PFOA**)	**170**	**1.2 J**	**1.6 J**	**1.5 J**	**1.1 J**	<9.7	<1.9	<2.1	<2.0
Perfluorohexane Sulfonic Acid (PFHxS)	**210**	**2.6**	**1.0 J**	**4.3**	**2.8**	<9.7	**3.0**	<2.1	<2.0
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)	--	**2.0**	**1.0 J**	**3.1**	**2.1**	<9.7	<1.9	<2.1	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
Perfluorononanoic Acid (PFNA)	**30**	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<4.2 I	<3.9
Perfluoroheptane Sulfonic Acid (PFHpS)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
Perfluorodecanoic Acid (PFDA)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)	--	<4.0	<4.1	<4.1	<4.0	<9.7	<3.9	<4.2	<3.9 I
Perfluorooctane Sulfonic Acid (**PFOS**)	**12**	**23**	**9.4**	**25**	**20**	<9.7	**15**	**17**	**5.4**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)	--	**8.8**	**2.1**	**7.9**	**6.6**	<9.7	<1.9	<2.1	<2.0
Perfluorooctane Sulfonic Acid (**PFOS**-BR)	--	**15**	**6.4**	**16.0**	**13**	<9.7	**13**	**15**	**4.6**
Perfluoroundecanoic Acid (PFUnDA)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
Perfluorononane Sulfonic Acid (PFNS)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
Perfluorododecanoic Acid (PFDoDA)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
Perfluorodecane Sulfonic Acid (PFDS)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
Perfluorotridecanoic Acid (PFTrDA)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
Perfluorooctane Sulfonamide (FOSA)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
Perfluorotetradecanoic Acid (PFTeDA)	--	<4.0	<4.1	<4.0	<4.0	<9.7	<3.9	<4.2	<3.9
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	--	<2.0	<2.0	<2.0	<2.0	<9.7	<1.9	<2.1	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)	--	<10	<10	<10	<10	<9.7	<9.7	<10	<9.8
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))	--	<10	<10	<10	<10	--	--	--	--
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))	--	<10	<10	<10	<10	--	--	--	--
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))	--	<10	<10	<10	<10	--	--	--	--
Perfluorobutanesulfonamide (PFBSA)	--	<2.0	<2.0	<2.0	<2.0	--	--	--	--
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)	--	**59**	**27**	**74**	**79**	--	--	--	--
Perfluorohexanesulfonamide (PFHxSA)	--	<2.0	<2.0	<2.0	<2.0	--	--	--	--
Total Per-and Polyfluoroalkyl Substances	--	**88.1**	**40.9**	**113.0**	**105.7**	**0.0**	**22.2**	**18.4**	**7.5**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the 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
Per-and Polyfluoroalkyl Substances Sampling Results
Sanitary Sewer Samples - Stanley Road

Coldwater Rd - Sanitary Sewer Samples - Stanley Road

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	SAN-09 (Sanitary Sewer)	SAN-09 (Sanitary Sewer)	SAN-09 (Sanitary Sewer)	SAN-09 (Sanitary Sewer)	SAN-09 (Sanitary Sewer)	SAN-09 (Sanitary Sewer)	SAN-09 (Sanitary Sewer)	SAN-09 (Sanitary Sewer)	SAN-09 (Sanitary Sewer)
	Sample Date:		3/31/2022	9/7/2022	12/13/2022	4/6/2023	6/27/2023	12/19/2023	6/27/2024	12/19/2024	6/26/2025
Perfluorobutanoic Acid (PFBA)		--	<9.9	<9.9	<9.9	<9.6	<9.6	<10	**7.1 J**	<9.9	<10
Perfluoropentanoic Acid (PFPeA)		--	<3.9	<3.9	<4.0	**1.00 J**	<3.8	<4.1	<4.0	**1.9 J**	<4.1
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)		--	<2.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic Acid (PFHxA)		--	<2.0	<2.0	<2.0	**1.6 J**	<1.9	<2.0	<2.0	**2.5**	<2.0
Perfluorobutane Sulfonic Acid (PFBS)		**670,000**	**8.0**	<2.0	<2.0	**12**	**2.6**	**2.3**	**4.5**	**1.2 J**	**4.0**
Perfluoroheptanoic Acid (PFHpA)		--	<2.0	<2.0	<2.0	**1.2 J**	<1.9	<4.1	<2.0	<2.0	<2.0
Perfluoropentane Sulfonic Acid (PFPeS)		--	<2.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)		--	<2.0	<2.0	<2.0	<1.9	**2.3**	<2.0	<2.0	<2.0	<2.0
Perfluorooctanoic Acid (**PFOA**)		**170**	<2.0	<2.0	<2.0	<1.9	**2.9**	**0.85 J**	**1.3 J**	**0.97 J**	**1.3 J**
Perfluorohexane Sulfonic Acid (PFHxS)		**210**	<2.0	**2.2**	**2.2**	**1.3**	**1.7 J**	<2.0	**1.1 J**	**1.9 J**	**1.3 J**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)		--	<2.0	**1.7 J**	**1.7 J**	<1.9	**1.7 J**	<2.0	**1.1 J**	**1.1 J**	<2.0
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)		--	<2.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic Acid (PFNA)		**30**	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)		--	<2.0	<2.0 I	<2.0	<2.0	**2.0**	<2.0	<2.0	<2.0	<2.0
Perfluoroheptane Sulfonic Acid (PFHpS)		--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic Acid (PFDA)		--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)		--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)		--	<3.9	**2.0 J**	<4.0	<3.8	<3.8	<4.1	<4.0	<4.0	<4.1
Perfluorooctane Sulfonic Acid (**PFOS**)		**12**	**6.0**	**3.4**	**10**	**3.0**	**13**	**5.1**	**5.2**	**9.0**	**5.6**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)		--	<2.0	<2.0	**4.8**	<1.9	**5.5**	**1.3 J**	<2.0	**1.1 J**	**1.6 J**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)		--	**5.0**	**2.6**	**5.2**	**2.3**	**7.6**	**3.6**	**3.3**	**7.0**	**3.4**
Perfluoroundecanoic Acid (PFUnDA)		--	<2.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorononane Sulfonic Acid (PFNS)		--	<2.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic Acid (PFDoDA)		--	<2.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorodecane Sulfonic Acid (PFDS)		--	<2.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic Acid (PFTrDA)		--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorooctane Sulfonamide (FOSA)		--	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic Acid (PFTeDA)		--	<3.9	<3.9	<4.0	<3.8	<3.8	<4.1	<4.0	<3.9	<4.1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		--	<2.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)		--	<2.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		--	<2.0	<2.0	<2.0	<1.9	<1.9	<2.0	<2.0	<2.0	<2.0
Hexafluoropropylene oxide dimer (HFPO-DA)		--	<3.9	<9.9	<9.9	<1.9	<1.9	<10	<9.9	<9.9	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))		--	--	--	--	--	<3.8	<10	<9.9	<9.9	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))		--	--	--	--	--	<3.8	<10	<9.9	**5.5 J**	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))		--	--	--	--	--	<3.8	<10	<9.9	<9.9	<10
Perfluorobutanesulfonamide (PFBSA)		--	--	--	--	--	<1.9	<2.0	<2.0	<2.0	<2.0
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)		--	--	--	--	--	**33**	**18**	**23**	**37**	**17**
Perfluorohexanesulfonamide (PFHxSA)		--	--	--	--	--	<1.9	<2.0	<2.0	<2.0	<2.0
Total Per-and Polyfluoroalkyl Substances		--	**14.0**	**7.6**	**12.2**	**20.1**	**57.5**	**26.3**	**42.2**	**60.0**	**29.2**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the groundwater surface water interface (GSI) criteria are highlighted in yellow.
8) 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
Per-and Polyfluoroalkyl Substances Sampling Results
Sanitary Sewer Samples - Stanley Road

Coldwater Rd - Sanitary Sewer Samples - Stanley Road

Perfluorinated Compound	Well/Sample ID:	EGLE Part 201 Generic Cleanup Criteria and Screening Levels GSI	SAN-21 (Sanitary Sewer)	SAN-21 (Sanitary Sewer)	SAN-21 (Sanitary Sewer)	SAN-21 (Sanitary Sewer)	SAN-21 (Sanitary Sewer)	SAN-21 (Sanitary Sewer)
	Sample Date:		6/25/2020	12/18/2020	12/19/2023	6/27/2024	12/19/2024	6/26/2025
Perfluorobutanoic Acid (PFBA)		--	13 U	<10.0	<15 X	<16 X	**3.8 J**	**3.2 J**
Perfluoropentanoic Acid (PFPeA)		--	<4.0	<4.0	**1.2 J**	<4.1	**1.4 J**	**1.8 J**
4:2 Fluorotelomer Sulfonic Acid (4:2 FTSA)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
Perfluorohexanoic Acid (PFHxA)		--	<2.0	<2.0	<1.9	<2.0	**2.0 J**	<2.1
Perfluorobutane Sulfonic Acid (PFBS)		**670,000**	<2.0	**2.4**	**2.9**	**2.4**	**2.7**	**3.4**
Perfluoroheptanoic Acid (PFHpA)		--	<2.0	<2.0	<3.9	<2.0	<2.0	<2.1
Perfluoropentane Sulfonic Acid (PFPeS)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
6:2 Fluorotelomer Sulfonic Acid (6:2 FTSA)		--	<2.0	<2.0	<1.9	<2.0	**1.4 J**	<2.1
Perfluorooctanoic Acid (**PFOA**)		**170**	<2.0	<2.0	**0.77 J**	**1.8 J**	**2.2**	**1.7 J**
Perfluorohexane Sulfonic Acid (PFHxS)		**210**	**2.0**	**2.0**	**1.2 J**	<2.0	**3.5**	**2.3**
Perfluorohexane Sulfonic Acid - LN (PFHxS-LN)		--	<2.0	<2.0	**1.2 J**	<2.0	**2.4**	**1.6 J**
Perfluorohexane Sulfonic Acid - BR (PFHxS-BR)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
Perfluorononanoic Acid (PFNA)		**30**	<2.0	<2.0	<1.9	<2.0	<2.0 **J**	<2.1
8:2 Fluorotelomer Sulfonic Acid (8:2 FTSA)		--	<2.0	<2.0	<1.9	<2.0 I	<2.0	<2.1
Perfluoroheptane Sulfonic Acid (PFHpS)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
Perfluorodecanoic Acid (PFDA)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
N-methyl Perfluorooctanesulfonamidoacetic Acid (N-MeFOSAA)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
N-Ethyl Perfluorooctane Sulfonamidoacetic Acid (EtFOSAA)		--	<4.0	<4.0	<3.9 I	<4.1	<4.0	<4.2
Perfluorooctane Sulfonic Acid (**PFOS**)		**12**	**33**	**34**	**13**	**9.9**	**19**	**14**
Perfluorooctane Sulfonic Acid (**PFOS**-LN)		--	**9.8**	**9.9**	**3.5**	**1.7 J**	**5.4**	**4.9**
Perfluorooctane Sulfonic Acid (**PFOS**-BR)		--	**22**	**24**	**9.6**	**6.3**	**13**	**8.0**
Perfluoroundecanoic Acid (PFUnDA)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
Perfluorononane Sulfonic Acid (PFNS)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
Perfluorododecanoic Acid (PFDoDA)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
Perfluorodecane Sulfonic Acid (PFDS)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
Perfluorotridecanoic Acid (PFTrDA)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
Perfluorooctane Sulfonamide (FOSA)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
Perfluorotetradecanoic Acid (PFTeDA)		--	<4.0	<4.0	<3.9	<4.1	<4.0	<4.2
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
9-chlorohexadecafluoro-3-oxanone1-sulfonic acid (9Cl-PF3ONS)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		--	<2.0	<2.0	<1.9	<2.0	<2.0	<2.1
Hexafluoropropylene oxide dimer (HFPO-DA)		--	<2.0	<2.0	<9.7	<10	<10	<10
3-Perfluoroheptyl propanoic acid (FHpPA (7:3 FTCA))		--	--	--	<9.7	<10	<10	<10
3-Perfluoropentyl propanoic acid (FPePA (5:3 FTCA))		--	--	--	<9.7	<10	<10	<10
3-Perfluoropropyl propanoic acid (FPrPA (3:3 FTCA))		--	--	--	<9.7	<10	<10	<10
Perfluorobutanesulfonamide (PFBSA)		--	--	--	**0.66 J**	<2.0	<2.0	<2.1
Perfluoro-4-ethylcyclohexanesulfonate (PFECHS)		--	--	--	**35**	**18**	**73**	**44**
Perfluorohexanesulfonamide (PFHxSA)		--	--	--	<1.9	<2.0	<2.0	<2.1
Total Per-and Polyfluoroalkyl Substances		--	**48.0**	**38.4**	**54.7**	**32.1**	**109.0**	**70.4**

Notes
1) Detections in **bold**.
2) Concentrations in ng/L.
3) < = Not detected at specified reporting limit.
4) -- = Not analyzed/No criteria.
5) Dup = Duplicate sample.
6) EGLE Part 201 Groundwater Generic Cleanup Criteria and Screening Levels, October 12, 2023.
7) Concentration above the 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) OA/OC Samples were either not detected above the reporting limit or below the EGLE Part 201 Groundwater Generic Cleanup Criteria.

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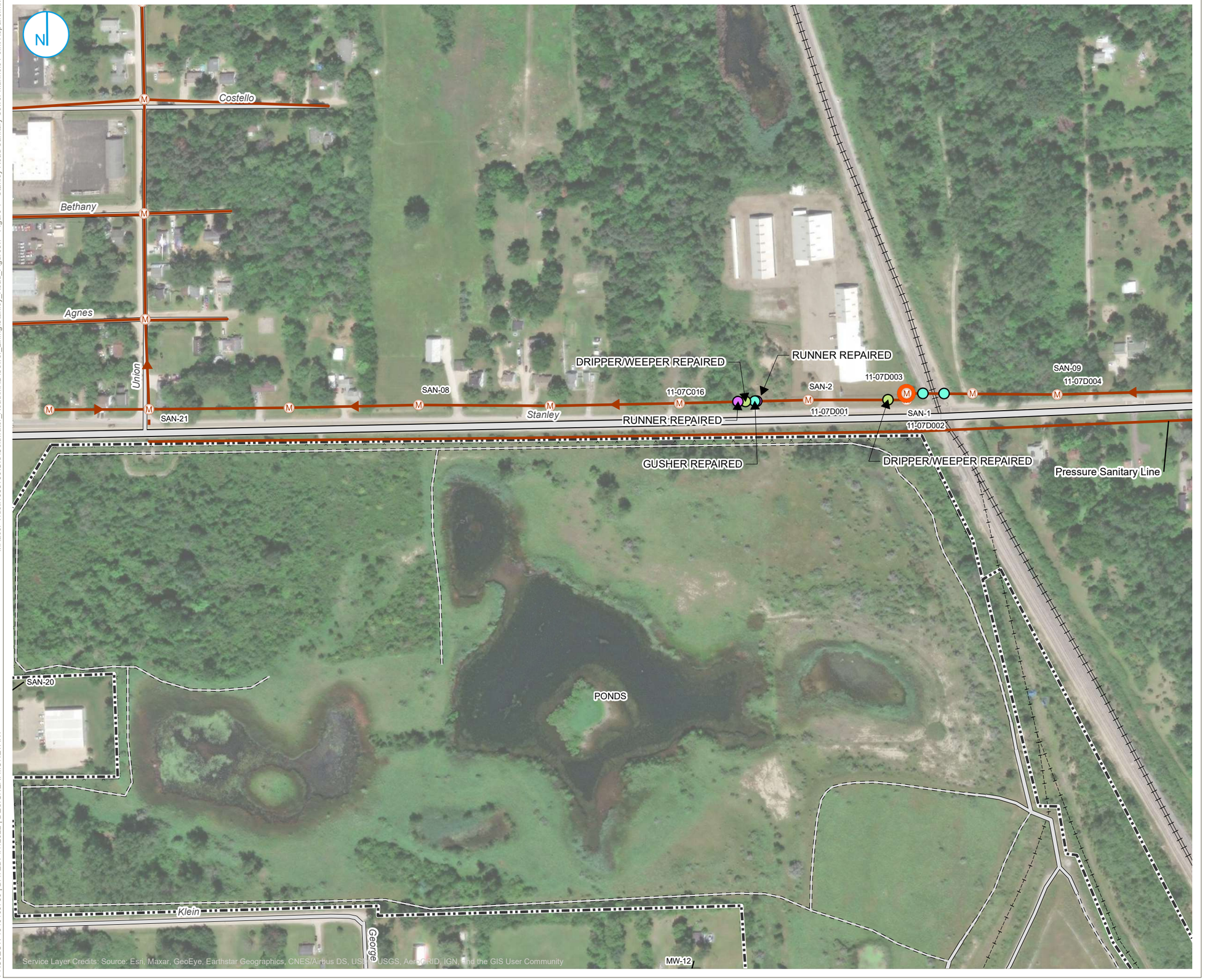
FIGURES



SANITARY SEWER MANHOLE - LINED
SANITARY SEWER MANHOLE
DRIPPER/WEEPER REPAIRED
GUSHER REPAIRED
RUNNER REPAIRED
PROPERTY BOUNDARY
SANITARY SEWER

Note
Repairs were completed in September 2020.

0 125 250
Feet

STANLEY ROAD SANITARY SEWER / MANHOLE POINT REPAIRS AND SAMPLE LOCATIONS

RACER TRUST
COLDWATER ROAD
FLINT, MICHIGAN

FIGURE 01

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.

RAMBOLL

I:\Racer-Trust.1088190\GIS\Coldwater_Road\MXD\Sewer_Lining\Stanley_Road_Figures\1 - Figure 1 - Stanley Road Sanitary Sewer Manhole Point Repairs.mxd

PROJECT: 1940100783 | DATED: 1/7/2022 | DESIGNER: MONETANT

ATTACHMENT A
LABORATORY ANALYTICAL REPORTS

Analytical Laboratory Report

Revised Report

Report ID: S76096.01(02)
Generated on 07/11/2025
Replaces report S76096.01(01) generated on 07/11/2025

Report to

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

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

Report produced by

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

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

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

Addtional Contacts: Kevin Schneider, Nicole Pitkorchemny

Report Summary

Lab Sample ID(s): S76096.01-S76096.05
Project: RACER Coldwater Rd
Collected Date(s): 06/26/2025
Submitted Date/Time: 06/26/2025 15:20
Sampled by: Kevin Schneider
P.O. #: 1940011180 TASK37

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

.03 and .04 sample IDs updated per client request.

Laboratory Accreditations (For Reference Only)

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

Qualifier Descriptions

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

Glossary of Abbreviations

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

Method Summary

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

Parameter Summary

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

Sample Summary (5 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S76096.01	SAN-21-20250626	Liquid	06/26/25 10:30
S76096.02	SAN-08-20250626	Liquid	06/26/25 10:55
S76096.03	II-07C016-20250626	Liquid	06/26/25 11:10
S76096.04	SAN-2-20250626	Liquid	06/26/25 11:20
S76096.05	SAN-09-20250626	Liquid	06/26/25 11:30

Lab Sample ID: S76096.01
Sample Tag: SAN-21-20250626
Collected Date/Time: 06/26/2025 10:30
Matrix: Liquid
COC Reference: 043445

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	5.5	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.74/6.48/11	ASTMD7979-19M	06/30/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/30/25 16:46, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	3.2	10	2.1	ng/L	2.09	375-22-4	J
PFPeA*	1.8	4.2	1.3	ng/L	2.09	2706-90-3	J
4:2 FTSA*	Not detected	2.1	0.21	ng/L	2.09	757124-72-4	
PFHxA*	Not detected	2.1	1.3	ng/L	2.09	307-24-4	
PFBS*	3.4	2.1	0.63	ng/L	2.09	375-73-5	
PFHpA*	Not detected	2.1	0.84	ng/L	2.09	375-85-9	
PFPeS*	Not detected	2.1	1.9	ng/L	2.09	2706-91-4	
6:2 FTSA*	Not detected	2.1	1.0	ng/L	2.09	27619-97-2	
PFOA*	1.7	2.1	0.84	ng/L	2.09	335-67-1	J
PFHxS*	2.3	2.1	1.0	ng/L	2.09	355-46-4	
PFHxS-LN*	1.6	2.1	1.0	ng/L	2.09	355-46-4-LN	J
PFHxS-BR*	Not detected	2.1	1.0	ng/L	2.09	355-46-4-BR	
PFNA*	Not detected	2.1	1.0	ng/L	2.09	375-95-1	
8:2 FTSA*	Not detected	2.1	1.3	ng/L	2.09	39108-34-4	
PFHpS*	Not detected	2.1	0.84	ng/L	2.09	375-92-8	
PFDA*	Not detected	2.1	1.3	ng/L	2.09	335-76-2	
N-MeFOSAA*	Not detected	2.1	1.0	ng/L	2.09	2355-31-9	
EtFOSAA*	Not detected	4.2	1.0	ng/L	2.09	2991-50-6	
PFOS*	14	2.1	0.84	ng/L	2.09	1763-23-1	
PFOS-LN*	4.9	2.1	0.84	ng/L	2.09	1763-23-1-LN	
PFOS-BR*	8.0	2.1	0.84	ng/L	2.09	1763-23-1-BR	
PFUnDA*	Not detected	2.1	0.84	ng/L	2.09	2058-94-8	
PFNS*	Not detected	2.1	1.0	ng/L	2.09	68259-12-1	
PFDoDA*	Not detected	2.1	0.63	ng/L	2.09	307-55-1	
PFDS*	Not detected	2.1	1.0	ng/L	2.09	335-77-3	
PFTrDA*	Not detected	2.1	0.84	ng/L	2.09	72629-94-8	
FOSA*	Not detected	2.1	0.84	ng/L	2.09	754-91-6	
PFTeDA*	Not detected	4.2	0.63	ng/L	2.09	376-06-7	
11Cl-PF3OUdS*	Not detected	2.1	1.0	ng/L	2.09	763051-92-9	
9Cl-PF3ONS*	Not detected	2.1	1.0	ng/L	2.09	756426-58-1	
ADONA*	Not detected	2.1	0.63	ng/L	2.09	919005-14-4	
HFPO-DA*	Not detected	10	2.1	ng/L	2.09	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.4	ng/L	2.09	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.2	ng/L	2.09	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.2	ng/L	2.09	356-02-5	
PFBSA*	Not detected	2.1	0.63	ng/L	2.09	30334-69-1	

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

Lab Sample ID: S76096.01 (continued)

Sample Tag: SAN-21-20250626

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/30/25 16:46, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	44	2.1	0.84	ng/L	2.09	80988-54-1	
PFHxSA*	Not detected	2.1	0.63	ng/L	2.09	41997-13-1	

Lab Sample ID: S76096.02
Sample Tag: SAN-08-20250626
Collected Date/Time: 06/26/2025 10:55
Matrix: Liquid
COC Reference: 043445

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	5.5	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.04/6.48/11	ASTMD7979-19M	06/30/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/30/25 17:06, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.9	2.0	ng/L	1.98	375-22-4	
PFPeA*	Not detected	4.0	1.2	ng/L	1.98	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	1.98	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	1.98	307-24-4	
PFBS*	2.8	2.0	0.59	ng/L	1.98	375-73-5	
PFHpA*	Not detected	2.0	0.79	ng/L	1.98	375-85-9	
PFPeS*	Not detected	2.0	1.8	ng/L	1.98	2706-91-4	
6:2 FTSA*	Not detected	2.0	0.99	ng/L	1.98	27619-97-2	
PFOA*	1.1	2.0	0.79	ng/L	1.98	335-67-1	J
PFHxS*	2.8	2.0	0.99	ng/L	1.98	355-46-4	
PFHxS-LN*	2.1	2.0	0.99	ng/L	1.98	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	0.99	ng/L	1.98	355-46-4-BR	
PFNA*	Not detected	2.0	0.99	ng/L	1.98	375-95-1	
8:2 FTSA*	Not detected	2.0	1.2	ng/L	1.98	39108-34-4	
PFHpS*	Not detected	2.0	0.79	ng/L	1.98	375-92-8	
PFDA*	Not detected	2.0	1.2	ng/L	1.98	335-76-2	
N-MeFOSAA*	Not detected	2.0	0.99	ng/L	1.98	2355-31-9	
EtFOSAA*	Not detected	4.0	0.99	ng/L	1.98	2991-50-6	
PFOS*	20	2.0	0.79	ng/L	1.98	1763-23-1	
PFOS-LN*	6.6	2.0	0.79	ng/L	1.98	1763-23-1-LN	
PFOS-BR*	13	2.0	0.79	ng/L	1.98	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.79	ng/L	1.98	2058-94-8	
PFNS*	Not detected	2.0	0.99	ng/L	1.98	68259-12-1	
PFDoDA*	Not detected	2.0	0.59	ng/L	1.98	307-55-1	
PFDS*	Not detected	2.0	0.99	ng/L	1.98	335-77-3	
PFTrDA*	Not detected	2.0	0.79	ng/L	1.98	72629-94-8	
FOSA*	Not detected	2.0	0.79	ng/L	1.98	754-91-6	
PFTeDA*	Not detected	4.0	0.59	ng/L	1.98	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.99	ng/L	1.98	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.99	ng/L	1.98	756426-58-1	
ADONA*	Not detected	2.0	0.59	ng/L	1.98	919005-14-4	
HFPO-DA*	Not detected	9.9	2.0	ng/L	1.98	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.9	7.9	ng/L	1.98	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.9	4.0	ng/L	1.98	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.9	4.0	ng/L	1.98	356-02-5	
PFBSA*	Not detected	2.0	0.59	ng/L	1.98	30334-69-1	

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

Lab Sample ID: S76096.02 (continued)

Sample Tag: SAN-08-20250626

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/30/25 17:06, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	79	2.0	0.79	ng/L	1.98	80988-54-1	
PFHxSA*	Not detected	2.0	0.59	ng/L	1.98	41997-13-1	

Lab Sample ID: S76096.03
Sample Tag: II-07C016-20250626
Collected Date/Time: 06/26/2025 11:10
Matrix: Liquid
COC Reference: 043445

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	5.5	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.87/6.48/11	ASTMD7979-19M	06/30/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 07/02/25 15:03, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	3.6	10	1.6	ng/L	2.04	375-22-4	J
PFPeA*	1.5	4.1	0.82	ng/L	2.04	2706-90-3	J
4:2 FTSA*	Not detected	2.0	0.82	ng/L	2.04	757124-72-4	
PFHxA*	1.1	2.0	0.41	ng/L	2.04	307-24-4	J
PFBS*	Not detected	2.0	0.82	ng/L	2.04	375-73-5	
PFHpA*	Not detected	2.0	1.0	ng/L	2.04	375-85-9	
PFPeS*	Not detected	2.0	0.82	ng/L	2.04	2706-91-4	
6:2 FTSA*	Not detected	2.0	1.2	ng/L	2.04	27619-97-2	
PFOA*	1.7	2.0	1.6	ng/L	2.04	335-67-1	J
PFHxS*	3.5	2.0	1.2	ng/L	2.04	355-46-4	
PFHxS-LN*	2.1	2.0	1.2	ng/L	2.04	355-46-4-LN	
PFHxS-BR*	Not detected	2.0	1.2	ng/L	2.04	355-46-4-BR	
PFNA*	Not detected	2.0	0.82	ng/L	2.04	375-95-1	
8:2 FTSA*	Not detected	2.0	1.0	ng/L	2.04	39108-34-4	
PFHpS*	Not detected	2.0	1.2	ng/L	2.04	375-92-8	
PFDA*	Not detected	2.0	0.61	ng/L	2.04	335-76-2	
N-MeFOSAA*	Not detected	2.0	1.4	ng/L	2.04	2355-31-9	
EtFOSAA*	Not detected	4.1	2.0	ng/L	2.04	2991-50-6	
PFOS*	26	2.0	1.2	ng/L	2.04	1763-23-1	
PFOS-LN*	8.1	2.0	1.2	ng/L	2.04	1763-23-1-LN	
PFOS-BR*	15	2.0	1.2	ng/L	2.04	1763-23-1-BR	
PFUnDA*	Not detected	2.0	1.0	ng/L	2.04	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.04	68259-12-1	
PFDoDA*	Not detected	2.0	0.61	ng/L	2.04	307-55-1	
PFDS*	Not detected	2.0	1.2	ng/L	2.04	335-77-3	
PFTrDA*	Not detected	2.0	1.0	ng/L	2.04	72629-94-8	
FOSA*	Not detected	2.0	0.82	ng/L	2.04	754-91-6	
PFTeDA*	Not detected	4.1	0.41	ng/L	2.04	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	0.82	ng/L	2.04	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	0.82	ng/L	2.04	756426-58-1	
ADONA*	Not detected	2.0	1.0	ng/L	2.04	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.04	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	2.0	ng/L	2.04	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	2.0	ng/L	2.04	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	1.0	ng/L	2.04	356-02-5	
PFBSA*	Not detected	2.0	1.2	ng/L	2.04	30334-69-1	

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

Lab Sample ID: S76096.03 (continued)

Sample Tag: II-07C016-20250626

34 PFAs, Method: ASTMD7979-19M, Run Date: 07/02/25 15:03, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	86	2.0	1.0	ng/L	2.04	80988-54-1	
PFHxSA*	Not detected	2.0	0.82	ng/L	2.04	41997-13-1	

Lab Sample ID: S76096.04
Sample Tag: SAN-2-20250626
Collected Date/Time: 06/26/2025 11:20
Matrix: Liquid
COC Reference: 043445

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	5.5	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.17/6.48/11	ASTMD7979-19M	06/30/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/30/25 17:46, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	3.5	9.7	1.9	ng/L	1.93	375-22-4	J
PFPeA*	Not detected	3.9	1.2	ng/L	1.93	2706-90-3	
4:2 FTSA*	Not detected	1.9	0.19	ng/L	1.93	757124-72-4	
PFHxA*	Not detected	1.9	1.2	ng/L	1.93	307-24-4	
PFBS*	1.9	1.9	0.58	ng/L	1.93	375-73-5	
PFHpA*	Not detected	1.9	0.77	ng/L	1.93	375-85-9	
PFPeS*	Not detected	1.9	1.7	ng/L	1.93	2706-91-4	
6:2 FTSA*	Not detected	1.9	0.97	ng/L	1.93	27619-97-2	
PFOA*	1.4	1.9	0.77	ng/L	1.93	335-67-1	J
PFHxS*	2.5	1.9	0.97	ng/L	1.93	355-46-4	
PFHxS-LN*	1.9	1.9	0.97	ng/L	1.93	355-46-4-LN	
PFHxS-BR*	Not detected	1.9	0.97	ng/L	1.93	355-46-4-BR	
PFNA*	Not detected	1.9	0.97	ng/L	1.93	375-95-1	
8:2 FTSA*	Not detected	1.9	1.2	ng/L	1.93	39108-34-4	
PFHpS*	Not detected	1.9	0.77	ng/L	1.93	375-92-8	
PFDA*	Not detected	1.9	1.2	ng/L	1.93	335-76-2	
N-MeFOSAA*	Not detected	1.9	0.97	ng/L	1.93	2355-31-9	
EtFOSAA*	Not detected	3.9	0.97	ng/L	1.93	2991-50-6	
PFOS*	16	1.9	0.77	ng/L	1.93	1763-23-1	
PFOS-LN*	5.4	1.9	0.77	ng/L	1.93	1763-23-1-LN	
PFOS-BR*	9.8	1.9	0.77	ng/L	1.93	1763-23-1-BR	
PFUnDA*	Not detected	1.9	0.77	ng/L	1.93	2058-94-8	
PFNS*	Not detected	1.9	0.97	ng/L	1.93	68259-12-1	
PFDoDA*	Not detected	1.9	0.58	ng/L	1.93	307-55-1	
PFDS*	Not detected	1.9	0.97	ng/L	1.93	335-77-3	
PFTrDA*	Not detected	1.9	0.77	ng/L	1.93	72629-94-8	
FOSA*	Not detected	1.9	0.77	ng/L	1.93	754-91-6	
PFTeDA*	Not detected	3.9	0.58	ng/L	1.93	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9	0.97	ng/L	1.93	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9	0.97	ng/L	1.93	756426-58-1	
ADONA*	Not detected	1.9	0.58	ng/L	1.93	919005-14-4	
HFPO-DA*	Not detected	9.7	1.9	ng/L	1.93	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	9.7	7.7	ng/L	1.93	812-70-4	
FPePA (5:3 FTCA)*	Not detected	9.7	3.9	ng/L	1.93	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	9.7	3.9	ng/L	1.93	356-02-5	
PFBSA*	Not detected	1.9	0.58	ng/L	1.93	30334-69-1	

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

Lab Sample ID: S76096.04 (continued)

Sample Tag: SAN-2-20250626

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/30/25 17:46, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	60	1.9	0.77	ng/L	1.93	80988-54-1	
PFHxSA*	Not detected	1.9	0.58	ng/L	1.93	41997-13-1	

Lab Sample ID: S76096.05
Sample Tag: SAN-09-20250626
Collected Date/Time: 06/26/2025 11:30
Matrix: Liquid
COC Reference: 043445

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	15mL Centrifuge Tube	None	Yes	5.5	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.91/6.48/11	ASTMD7979-19M	06/30/25 11:00	CED	

Organics

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/30/25 18:06, Analyst: CED

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10	2.0	ng/L	2.03	375-22-4	
PFPeA*	Not detected	4.1	1.2	ng/L	2.03	2706-90-3	
4:2 FTSA*	Not detected	2.0	0.20	ng/L	2.03	757124-72-4	
PFHxA*	Not detected	2.0	1.2	ng/L	2.03	307-24-4	
PFBS*	4.0	2.0	0.61	ng/L	2.03	375-73-5	
PFHpA*	Not detected	2.0	0.81	ng/L	2.03	375-85-9	
PFPeS*	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*	1.3	2.0	0.81	ng/L	2.03	335-67-1	J
PFHxS*	1.3	2.0	1.0	ng/L	2.03	355-46-4	J
PFHxS-LN*	Not detected	2.0	1.0	ng/L	2.03	355-46-4-LN	
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*	5.6	2.0	0.81	ng/L	2.03	1763-23-1	
PFOS-LN*	1.6	2.0	0.81	ng/L	2.03	1763-23-1-LN	J
PFOS-BR*	3.4	2.0	0.81	ng/L	2.03	1763-23-1-BR	
PFUnDA*	Not detected	2.0	0.81	ng/L	2.03	2058-94-8	
PFNS*	Not detected	2.0	1.0	ng/L	2.03	68259-12-1	
PFDoDA*	Not detected	2.0	0.61	ng/L	2.03	307-55-1	
PFDS*	Not detected	2.0	1.0	ng/L	2.03	335-77-3	
PFTrDA*	Not detected	2.0	0.81	ng/L	2.03	72629-94-8	
FOSA*	Not detected	2.0	0.81	ng/L	2.03	754-91-6	
PFTeDA*	Not detected	4.1	0.61	ng/L	2.03	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0	1.0	ng/L	2.03	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0	1.0	ng/L	2.03	756426-58-1	
ADONA*	Not detected	2.0	0.61	ng/L	2.03	919005-14-4	
HFPO-DA*	Not detected	10	2.0	ng/L	2.03	13252-13-6	
FHpPA (7:3 FTCA)*	Not detected	10	8.1	ng/L	2.03	812-70-4	
FPePA (5:3 FTCA)*	Not detected	10	4.1	ng/L	2.03	914637-49-3	
FPrPA (3:3 FTCA)*	Not detected	10	4.1	ng/L	2.03	356-02-5	
PFBSA*	Not detected	2.0	0.61	ng/L	2.03	30334-69-1	

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

Lab Sample ID: S76096.05 (continued)

Sample Tag: SAN-09-20250626

34 PFAs, Method: ASTMD7979-19M, Run Date: 06/30/25 18:06, Analyst: CED (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFECHS*	17	2.0	0.81	ng/L	2.03	80988-54-1	
PFHxSA*	Not detected	2.0	0.61	ng/L	2.03	41997-13-1	

Merit Laboratories Login Checklist

Lab Set ID: S76096
Client: RAMBOLL (Ramboll Americas)
Project: RACER Coldwater Rd
Submitted: 06/26/2025 15:20 Login User: PFD

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

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

Selection				Description	Note
Sample Receiving					
01.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 5.5
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, TOX, DO or Alkalinity bottles contain	

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

Client Review By: _____ Date: _____

Merit Laboratories, Inc.

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

C.O.C. PAGE # 1 OF 1

043445

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Clifford Yantz / Kevin Schneider
COMPANY: Ramboll
ADDRESS: 2090 Common Wealth Blvd
CITY: Ann Arbor | STATE: MI | ZIP CODE: 48105
PHONE NO.: 313-333-0211 | FAX NO.: — | P.O. NO.: 1940011180 task 37
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. | FAX NO. | P.O. NO.

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

TURNAROUND TIME REQUIRED ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STANDARD ☒ LEVEL II ☐ LEVEL III ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE O=OIL A=AIR W=WASTE M=MISC

ANALYSIS (ATTACH LIST IF MORE SPACE REQUIRED)

MERIT LAB NO.	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCL	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	PFAS(7979)	SPECIAL INSTRUCTIONS/NOTES
760906.01	6/26/25	1030	SAN-21-20250626	L	3	X							X	low level reporting with estimated values
.02		1055	SAN-08-20250626			X							X	
.03		1110	il-07[illegible]016-20250626			X							X	
.04		1120	SAN-02-20250626			X							X	34 PFAS List
.05	↓	1130	SAN-09-20250626	↓	↓	X							X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	6/26/25	1323
RELINQUISHED BY: SIGNATURE/ORGANIZATION	6/26/25	1777
RECEIVED BY: SIGNATURE/ORGANIZATION	6/26/25	15:21
	6/26/25	1520

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

SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	NOTES: TEMP. ON ARRIVAL
SEAL NO.	SEAL INTACT YES ☐ NO ☐	INITIALS	5.5

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