

Hillsborough County Northwest System UCMR 5 Quarter 2 (2023-10) Results

Client Sample Results

Client: Hillsborough Co Public Utilities Dept
 Project/Site: UCMR5: Northwest

Job ID: 810-80694-1

Client Sample ID: Northwest Fawnridge WTP

Lab Sample ID: 810-80694-1

Date Collected: 10/09/23 10:23

Matrix: Drinking Water

Date Received: 10/10/23 08:45

PWSID Number: FL6290388

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.0048		0.0048	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluoropentanoic acid (PFPeA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluorohexanoic acid (PFHxA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluoroheptanoic acid (PFHpA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluorooctanoic acid (PFOA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluorononanoic acid (PFNA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluorodecanoic acid (PFDA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluoroundecanoic acid (PFUnA)	<0.0019		0.0019	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluorododecanoic acid (PFDoA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluorobutanesulfonic acid (PFBS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluorooctanesulfonic acid (PFOS)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 18:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0048		0.0048	ug/L		10/31/23 13:18	11/01/23 18:38	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<0.0019		0.0019	ug/L		10/31/23 13:18	11/01/23 18:38	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<0.0048		0.0048	ug/L		10/31/23 13:18	11/01/23 18:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (8:2 FTS)	<0.0048		0.0048	ug/L		10/31/23 13:18	11/01/23 18:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.0048		0.0048	ug/L		10/31/23 13:18	11/01/23 18:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.0193		0.0193	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 18:38	1

Method: EPA 537.1 UCMR5 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEFOSAA)	<0.0050		0.0050	ug/L		10/20/23 08:28	10/23/23 16:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.0060		0.0060	ug/L		10/20/23 08:28	10/23/23 16:07	1
Perfluorotetradecanoic acid (PFTA)	<0.0080		0.0080	ug/L		10/20/23 08:28	10/23/23 16:07	1
Perfluorotridecanoic acid (PFTrDA)	<0.0070		0.0070	ug/L		10/20/23 08:28	10/23/23 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEFOSAA	89		70 - 130	10/20/23 08:28	10/23/23 16:07	1
13C2 PFHxA	89		70 - 130	10/20/23 08:28	10/23/23 16:07	1
13C2 PFDA	98		70 - 130	10/20/23 08:28	10/23/23 16:07	1
13C3 HFPO-DA	86		70 - 130	10/20/23 08:28	10/23/23 16:07	1

Method: EPA 200.7 UCMR5 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<9.00		9.00	ug/L		10/12/23 13:35	10/16/23 17:01	1

Hillsborough County Northwest System UCMR 5 Quarter 2 (2023-10) Results (Continued)

Client Sample Results

Client: Hillsborough Co Public Utilities Dept
 Project/Site: UCMR5: Northwest

Job ID: 810-80765-1

Client Sample ID: Lake Park WTP-Northwest -POE

Lab Sample ID: 810-80765-1

Date Collected: 10/09/23 09:17

Matrix: Drinking Water

Date Received: 10/10/23 08:45

PWSID Number: FL6290388

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<0.0049		0.0049	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluoropentanoic acid (PFPeA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluorohexanoic acid (PFHxA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluoroheptanoic acid (PFHpA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluorooctanoic acid (PFOA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluorononanoic acid (PFNA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluorodecanoic acid (PFDA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluoroundecanoic acid (PFUnA)	<0.0020		0.0020	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluorododecanoic acid (PFDoA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluorobutanesulfonic acid (PFBS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluorooctanesulfonic acid (PFOS)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluoropentanesulfonic acid (PFPeS)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 22:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0049		0.0049	ug/L		10/31/23 13:18	11/01/23 22:29	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<0.0020		0.0020	ug/L		10/31/23 13:18	11/01/23 22:29	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<0.0049		0.0049	ug/L		10/31/23 13:18	11/01/23 22:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.0049		0.0049	ug/L		10/31/23 13:18	11/01/23 22:29	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.0049		0.0049	ug/L		10/31/23 13:18	11/01/23 22:29	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.0196		0.0196	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 22:29	1

Method: EPA 537.1 UCMR5 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	<0.0050		0.0050	ug/L		10/18/23 13:04	10/19/23 08:16	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	<0.0080		0.0080	ug/L		10/18/23 13:04	10/19/23 08:16	1
Perfluorotetradecanoic acid (PFTTA)	<0.0080		0.0080	ug/L		10/18/23 13:04	10/19/23 08:16	1
Perfluorotridecanoic acid (PFTrDA)	<0.0070		0.0070	ug/L		10/18/23 13:04	10/19/23 08:16	1

Method: EPA 200.7 UCMR5 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<9.00		9.00	ug/L		10/17/23 12:30	10/19/23 15:24	1