

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

Client Sample Results

Client: Hillsborough Co Public Utilities Dept  
 Project/Site: UCMR5: South Central

Job ID: 810-80762-1

Client Sample ID: South-Central-CentralWTP-POE

Lab Sample ID: 810-80762-1

Date Collected: 10/09/23 13:33

Matrix: Drinking Water

Date Received: 10/10/23 08:45

PWSID Number: FL6290787

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.0060		0.0048	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluoropentanoic acid (PFPeA)	0.0079		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluorohexanoic acid (PFHxA)	0.0059		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluoroheptanoic acid (PFHpA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluorooctanoic acid (PFOA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluorononanoic acid (PFNA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluorodecanoic acid (PFDA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluoroundecanoic acid (PFUnA)	<0.0019		0.0019	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluorododecanoic acid (PFDoA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluorobutanesulfonic acid (PFBS)	0.0042		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluorooctanesulfonic acid (PFOS)	0.0044		0.0039	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 20:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0048		0.0048	ug/L		10/31/23 13:18	11/01/23 20:13	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<0.0019		0.0019	ug/L		10/31/23 13:18	11/01/23 20:13	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<0.0048		0.0048	ug/L		10/31/23 13:18	11/01/23 20:13	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 20:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.0048		0.0048	ug/L		10/31/23 13:18	11/01/23 20:13	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 20:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.0194		0.0194	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 20:13	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 07:37	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	<0.0060		0.0060	ug/L		10/18/23 13:04	10/19/23 07:37	1
Perfluorotetradecanoic acid (PFTA)	<0.0080		0.0080	ug/L		10/18/23 13:04	10/19/23 07:37	1
Perfluorotridecanoic acid (PFTrDA)	<0.0070		0.0070	ug/L		10/18/23 13:04	10/19/23 07:37	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 15:18	1

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

Client Sample Results

Client: Hillsborough Co Public Utilities Dept  
 Project/Site: UCMR5: South Central

Job ID: 810-80760-1

Client Sample ID: South-Central-Lithia WTP-POE

Lab Sample ID: 810-80760-1

Date Collected: 10/09/23 12:18

Matrix: Drinking Water

Date Received: 10/10/23 08:45

PWSID Number: FL6290787

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 19:59	1
Perfluoropentanoic acid (PFPeA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluorohexanoic acid (PFHxA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluoroheptanoic acid (PFHpA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluorooctanoic acid (PFOA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluorononanoic acid (PFNA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluorodecanoic acid (PFDA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluoroundecanoic acid (PFUnA)	<0.0019		0.0019	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluorododecanoic acid (PFDoA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluorobutanesulfonic acid (PFBS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluorooctanesulfonic acid (PFOS)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 19:59	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.0049		0.0049	ug/L		10/31/23 13:18	11/01/23 19:59	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<0.0019		0.0019	ug/L		10/31/23 13:18	11/01/23 19:59	1
11-Chloroeicosafuoro-3-oxaundecan e-1-sulfonic acid	<0.0049		0.0049	ug/L		10/31/23 13:18	11/01/23 19:59	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 19:59	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (8:2 FTS)	<0.0049		0.0049	ug/L		10/31/23 13:18	11/01/23 19:59	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 19:59	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.0194		0.0194	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.0039		0.0039	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.0029		0.0029	ug/L		10/31/23 13:18	11/01/23 19:59	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 07:24	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	<0.0060		0.0060	ug/L		10/18/23 13:04	10/19/23 07:24	1
Perfluorotetradecanoic acid (PFTA)	<0.0080		0.0080	ug/L		10/18/23 13:04	10/19/23 07:24	1
Perfluorotridecanoic acid (PFTrDA)	<0.0070		0.0070	ug/L		10/18/23 13:04	10/19/23 07:24	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 15:16	1