2025 Holding Tank Solids Results

Analyte	Units	East Tank - Solid 4/7/2025	West Tank - Solid 4/7/2025
Perfluoroalkyl Sulfonic Acids (PFSAs)			
Perfluorobutanesulfonic acid (PFBS)	ug/kg	<99	<3.0
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	<99	<3.0
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	<99	<3.0
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	<99	<30
Perfluorooctanesulfonic acid (PFOS)	ug/kg	40 J	8.1 J*
Perfluorononanesulfonic acid (PFNS)	ug/kg	<99	<30
Perfluorodecanesulfonic acid (PFDS)	ug/kg	32 J	91
Perfluorododecane sulfonic acid (PFDoS)	ug/kg	<99	<30
Perfluoroalkyl Carboxylic Acids (PFCAs)			
Perfluorobutonic acid (PFBA)	ug/kg	<99	<30
Perfluoropentanoic acid (PFPeA)	ug/kg	<99	<3.0
Perfluorohexanoic acid (PFHxA)	ug/kg	<99	<3.0
Perfluoroheptanoic acid (PFHpA)	ug/kg	<99	<3.0
Perfluorooctanoic acid (PFOA)	ug/kg	<99	0.63 J
Perfluorononanoic acid (PFNA)	ug/kg	<99	<30
Perfluorodecanoic acid (PFDA)	ug/kg	2.3 J	1.6 J
Perfluoroundecanoic acid (PFUnDA)	ug/kg	<9.9	<30
Perfluorododecanoic acid (PFDoA)	ug/kg	<9.9	<30
Perfluorotridecanoic acid (PFTrDA)	ug/kg	<9.9	<30
Perfluorotetradecanoic acid (PFTDA)	ug/kg	<9.9	<30
Perfluoroalkyl Sulfonamido Substances			
Perfluorooctane sulfonamide (FOSA or PFOSAm)	ug/kg	<99	<30
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	ug/kg	<99	<30
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA or EtFOSAm)	ug/kg	<99	<30
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	ug/kg	140	23 JL*
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	ug/kg	<99	16 JL*
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	ug/kg	49 JH*	<30
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	ug/kg	<99	44
Fluorotelomer Sulfonic Acids (FTSAs)			
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ug/kg	<99	<3.0
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ug/kg	<99	<3.0
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ug/kg	<99	1.2 J
Fluorotelomer Carboxylic Acids (FTCAs)			
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ug/kg	<3000	<89
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ug/kg	<3000	<89 B*
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ug/kg	<3000	<89 B*
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ug/kg	<99	<3.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ug/kg	<99	<3.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ug/kg	<99	<3.0
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)			
Perfluoro-3-Methoxypropanoic acid (PFMPA)	ug/kg	<99	<3.0
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ug/kg	<99	<3.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ug/kg	<99	<3.0
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ug/kg	<99	<3.0
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ug/kg	<99	<3.0

Notes:

Results reported from ALS Environmental Work Order K2503706.

PFAS per- and polyfluoroalkyl substances

ug/kg micrograms per kilogram

< Analyte not detected; listed as less than the method reporting limits (MRL) unless otherwise flagged due to quality-control failures.

J Estimated concentration, detected greater than the method detection limit and less than the MRL. Flag applied by the laboratory.

B* Result is included in the same preparatory batch as a blank detection for the associated analyte. Flag applied by Shannon & Wilson, Inc. (*)

JH* Estimated concentration, biased high due to quality control failures. Flag applied by Shannon & Wilson, Inc. (*)

JL* Estimated concentration, biased low due to quality control failures. Flag applied by Shannon & Wilson, Inc. (*)

2025 Holding Tank Water Analytical PFAS Results

Analyte	Units	East Tank - H2O 4/7/2025	West Tank - H2O 4/7/2025
Perfluoroalkyl Sulfonic Acids (PFSAs)			
Perfluorobutanesulfonic acid (PFBS)	ng/L	<10	<200
Perfluoropentanesulfonic acid (PFPeS)	ng/L	<10	<200
Perfluorohexanesulfonic acid (PFHxS)	ng/L	5.3 J	<200
Perfluoroheptanesulfonic acid (PFHpS)	ng/L	<10	<200
Perfluorooctanesulfonic acid (PFOS)	ng/L	92	<200
Perfluorononanesulfonic acid (PFNS)	ng/L	<10	<200
Perfluorodecanesulfonic acid (PFDS)	ng/L	28 J*	30 J
Perfluorododecane sulfonic acid (PFDoS)	ng/L	<10	<200
Perfluoroalkyl Carboxylic Acids (PFCAs)			
Perfluorobutonic acid (PFBA)	ng/L	7.1 J	<200
Perfluoropentanoic acid (PFPeA)	ng/L	18	<200
Perfluorohexanoic acid (PFHxA)	ng/L	28	<200
Perfluoroheptanoic acid (PFHpA)	ng/L	2.7 J	<200
Perfluorooctanoic acid (PFOA)	ng/L	16	<200
Perfluorononanoic acid (PFNA)	ng/L	<10	<200
Perfluorodecanoic acid (PFDA)	ng/L	<10	<200
Perfluoroundecanoic acid (PFUnDA)	ng/L	<10	<200
Perfluorododecanoic acid (PFDoA)	ng/L	1.8 J	<200
Perfluorotridecanoic acid (PFTrDA)	ng/L	<10	<200
Perfluorotetradecanoic acid (PFTDA)	ng/L	<10	<200
Perfluoroalkyl Sulfonamido Substances			
Perfluorooctane sulfonamide (FOSA or PFOSAm)	ng/L	15 J*	14 J*
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	ng/L	3.5 J	<200
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA or EtFOSAm)	ng/L	<10	<200
2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE)	ng/L	150	<200
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	ng/L	11	<200
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	ng/L	78	<200
N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	ng/L	25	<200
Fluorotelomer Sulfonic Acids (FTSAs)			
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ng/L	<10	<200
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ng/L	<10	<200
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ng/L	1.9 J*	<200
Fluorotelomer Carboxylic Acids (FTCAs)			
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ng/L	<100	<2000
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ng/L	170	<2000
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ng/L	<100	<2000
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ng/L	<10	<200
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ng/L	<10	<200
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ng/L	<10	<200
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)			
Perfluoro-3-Methoxypropanoic acid (PFMPA)	ng/L	<10	<200
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ng/L	<10	<200
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/L	**<10**	<200
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ng/L	<10	<200
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ng/L	<10	<200
Total Suspended Solids (TSS)			
TSS	mg/L	620	18,600

Notes:

Results reported from ALS Environmental Work Order K2503706.

PFAS — per- and polyfluoroalkyl substances

ng/L — nanograms per liter

< — Analyte not detected; listed as less than the method reporting limit (MRL) unless otherwise flagged due to quality-control failures.

J — Estimated concentration, detected greater than the method detection limit and less than the MRL. Flag applied by the laboratory.

J* — Estimated concentration due to quality control failures. Flag applied by Shannon & Wilson, Inc. (*)