

Table 1 — St. Mary's Water Supply Well Analytical Results - February 2023

		KSM-005			
Analytical Method	Analyte	Regulatory Limit	Units	2/24/2023	Duplicate
EPA 537(Mod) QSM 5.3, Table B-15	Perfluorooctanesulfonic acid (PFOS)	70‡	ng/L	4.2	4.4
	Perfluorooctanoic acid (PFOA)		ng/L	<1.8	<1.8
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	10†	ng/L	<3.6	<3.6
	Perfluorobutanesulfonic acid (PFBS)	2,000†	ng/L	<1.8	<1.8
	Perfluorodecanoic acid (PFDA)	N/A	ng/L	<1.8	<1.8
	Perfluorododecanoic acid (PFDoA)	N/A	ng/L	<1.8	<1.8
	Perfluoroheptanoic acid (PFHpA)	N/A	ng/L	<1.8	<1.8
	Perfluorohexanesulfonic acid (PFHxS)	N/A	ng/L	1.5J	1.6J
	Perfluorohexanoic acid (PFHxA)	N/A	ng/L	1.4J	1.5J
	Perfluorononanoic acid (PFNA)	N/A	ng/L	<1.8	<1.8
	Perfluorotetradecanoic acid (PFTeA)	N/A	ng/L	<1.8	<1.8
	Perfluorotridecanoic acid (PFTrDA)	N/A	ng/L	<1.8	<1.8
	Perfluoroundecanoic acid (PFUnA)	N/A	ng/L	<1.8	<1.8
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	N/A	ng/L	<1.8	<1.8
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	N/A	ng/L	<1.8	<1.8
	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	N/A	ng/L	<1.8	<1.8
	N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	N/A	ng/L	<4.5	<4.5
N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	N/A	ng/L	<4.5	<4.5	

Notes: Results reported from Eurofins Environment Testing work order 320-97213-1.

† Final EPA PFAS LHAs (HFPO-DA/PFBS)

‡ DEC Drinking Water Action Level = 70 ng/L for sum of PFOS and PFOA

DEC Alaska Department of Environmental Conservation

EPA United States Environmental Protection Agency

LHA Lifetime Health Advisory

PFAS per- and poly-fluoroalkyl substances

QSM Quality Systems Manual

ng/L nanograms per liter

N/A No applicable regulatory limit exists for the associated analyte.

< Analyte not detected; listed as less than the limit of quantitation (LOQ) unless otherwise flagged due to quality-control failures.

J Estimated concentration, detected greater than the detection limit (DL) and less than the reporting limit (RL). Flag applied by the laboratory.