

Table 2 - ISM Triplicate Sample Statistical Results

Analytical Method	Analyte	Regulatory Limit	Units	21GST-PFAS-DU1							
				A	B	C	μ	SD	CV	RSD	95% UCL
EPA 537 - Modified PFAS	Perfluorohexanesulfonic acid (PFHxS)	—	μg/kg	0.16 J	0.15 J	0.16 J	0.16	0.0058	0.037	3.7%	0.17
	Perfluorohexanoic acid (PFHxA)	—	μg/kg	<0.20	0.061 J	0.043 J*	0.049	0.011	0.22	22%	0.067
	Perfluoroheptanoic acid (PFHpA)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	Perfluorononanoic acid (PFNA)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	Perfluorobutanesulfonic acid (PFBS)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	Perfluorodecanoic acid (PFDA)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	Perfluoroundecanoic acid (PFUnA)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	Perfluorododecanoic acid (PFDoA)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	Perfluorotridecanoic acid (PFTrDA)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	Perfluorotetradecanoic acid (PFTeA)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	—	μg/kg	<2.0	<2.0	<2.0	NA	NA	NA	NA	<2.0
	N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	—	μg/kg	<2.0	<2.0	<2.0	NA	NA	NA	NA	<2.0
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	—	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	—	μg/kg	<0.25	<0.25	<0.25	NA	NA	NA	NA	<0.25
	Perfluorooctanesulfonic acid (PFOS)	3.0	μg/kg	1.5	1.3	1.5	1.4	0.12	0.081	8.1%	1.6
	Perfluorooctanoic acid (PFOA)	1.7	μg/kg	<0.20	<0.20	<0.20	NA	NA	NA	NA	<0.20

- Notes: Results reported from Eurofins TestAmerica Laboratory work order 320-774141-1.
- The primary, duplicate, and triplicate samples for 21GST-PFAS-DU1 are denoted as A, B, and C, respectively.
 - For analytes with one or two non-detect results, the laboratory detection limit is substituted for non-detect results for statistical analysis.
 - For analytes with three non-detect results, statistical analysis cannot be performed. The highest reporting limit (RL) is used for the 95% UCL.
 - All analytes with one or more detection had CVs less than 1.5 and are assumed to be normally distributed.
 - Regulatory limits from 18 AAC 75.341 Table B1 Method Two - Soil Cleanup Levels Table (Migration to Groundwater).
 - μ arithmetic mean
 - SD standard deviation
 - CV coefficient of variance
 - RSD relative standard deviation (percent)
 - 95% UCL Upper Confidence Limit at a 95-percent confidence
 - DEC Alaska Department of Environmental Conservation
 - PFAS per- and poly-fluoroalkyl substances
 - μg/kg micrograms per kilogram, equivalent to parts per billion
 - NA Not applicable; statistical analysis cannot be performed for analytes with three non-detect results.
 - No applicable regulatory limit exists for the associated analyte.
 - < Analyte was not detected; reported as <reporting limit (RL).
 - J Estimated concentration, detected greater than the detection limit (DL) and less than the RL. Flag applied by the laboratory.
 - J* Estimated concentration due to quality control failures. Flag applied by Shannon & Wilson, Inc. (*)