

Table 1 - May 2021 Asphalt and Concrete Samples

Analytical Method	Analyte	DEC Regulatory Limit		21GST-PFAS-DU1			21GST-PFAS-DU2	21GST-PFAS-DU3	21GST-PFAS-DU4
		Limit	Units	21 GST-PFAS-DU1 A	21 GST-PFAS-DU1 B	21 GST-PFAS-DU1 C			
EPA 537 - Modified PFAS	Perfluorohexanesulfonic acid (PFHxS)	—	µg/kg	0.16 J	0.15 J	0.16 J	0.098 J	0.070 J	0.031 J*
	Perfluorohexanoic acid (PFHxA)	—	µg/kg	<0.20	0.061 J	0.043 J*	<0.20	0.050 J	0.048 J
	Perfluoroheptanoic acid (PFHpA)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	Perfluorononanoic acid (PFNA)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	Perfluorobutanesulfonic acid (PFBS)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	Perfluorodecanoic acid (PFDA)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	Perfluoroundecanoic acid (PFUnA)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	Perfluorododecanoic acid (PFDoA)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	Perfluorotridecanoic acid (PFTTrDA)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	Perfluorotetradecanoic acid (PFTTeA)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	—	µg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	—	µg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	—	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	—	µg/kg	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
	Perfluorooctanesulfonic acid (PFOS)	3.0	µg/kg	1.5	1.3	1.5	1.1	0.59	0.35 J
	Perfluorooctanoic acid (PFOA)	1.7	µg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Notes: Results reported from Eurofins TestAmerica Laboratory work order 320-774141-1.
Regulatory limits from 18 AAC 75.341 Table B1 Method Two - Soil Cleanup Levels Table (Migration to Groundwater).

DEC Alaska Department of Environmental Conservation
PFAS per- and poly-fluoroalkyl substances
µg/kg micrograms per kilogram, equivalent to parts per billion
— No applicable DEC regulatory limit exists for the associated analyte.
< Analyte was not detected; reported as <reporting limit (RL).

BOLD The detected concentration exceeds the DEC cleanup level for the associated analyte.
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. (*)

Table 1 - May 2021 Asphalt and Concrete Samples

Analytical Method	Analyte	DEC		21GST-Concrete-01	21GST-Concrete-02	21GST-Concrete-03
		Regulatory Limit	Units			
EPA 537 - Modified PFAS	Perfluorohexanesulfonic acid (PFHxS)	—	µg/kg	1.3	1.6	<0.19
	Perfluorohexanoic acid (PFHxA)	—	µg/kg	0.32	1.1	<0.19
	Perfluoroheptanoic acid (PFHpA)	—	µg/kg	<0.21	0.12 J	<0.19
	Perfluorononanoic acid (PFNA)	—	µg/kg	<0.21	<0.21	<0.19
	Perfluorobutanesulfonic acid (PFBS)	—	µg/kg	0.11 J	0.070 J	<0.19
	Perfluorodecanoic acid (PFDA)	—	µg/kg	<0.21	<0.21	<0.19
	Perfluoroundecanoic acid (PFUnA)	—	µg/kg	<0.21	<0.21	<0.19
	Perfluorododecanoic acid (PFDoA)	—	µg/kg	<0.21	<0.21	<0.19
	Perfluorotridecanoic acid (PFTTrDA)	—	µg/kg	<0.21	<0.21	<0.19
	Perfluorotetradecanoic acid (PFTeA)	—	µg/kg	<0.21	<0.21	<0.19
	N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	—	µg/kg	<2.1	<2.1	<1.9
	N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	—	µg/kg	<2.1	<2.1	<1.9
	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	—	µg/kg	<0.21	<0.21	<0.19
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	—	µg/kg	<0.21	<0.21	<0.19
	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	—	µg/kg	<0.21	<0.21	<0.19
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	—	µg/kg	<0.26	<0.26	<0.24
	Perfluorooctanesulfonic acid (PFOS)	3.0	µg/kg	11	2.5	<0.48
	Perfluorooctanoic acid (PFOA)	1.7	µg/kg	0.19 J	0.17 J	<0.19

- Notes: Results reported from Eurofins TestAmerica Laboratory work order 320-774141-1.
Regulatory limits from 18 AAC 75.341 Table B1 Method Two - Soil Cleanup Levels Table (Migration to Groundwater).
- DEC Alaska Department of Environmental Conservation
 - PFAS per- and poly-fluoroalkyl substances
 - µg/kg micrograms per kilogram, equivalent to parts per billion
 - No applicable DEC regulatory limit exists for the associated analyte.
 - < Analyte was not detected; reported as <reporting limit (RL).
 - BOLD** The detected concentration exceeds the DEC cleanup level for the associated analyte.
 - 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. (*)