

Former Fort Devens, Stage 2B Validation - Electronic and Manual Data Approved Between 9/24/2018 and 5/31/2020

KOMAN, PFAS RI, Existing Monitoring Wells-Area 2

AOX 43J, Historical Gas Station J

Locations:	2446-03	HA-1B	HA-1S	HA-2B	HA-2S
Field Sample ID:	2446-03-JAN19	HA-1B-JAN19	HA-1S-JAN19	HA-2B-JAN19	HA-2S-MAR20
Sample Begin Depth:	8.00	21.00	3.50	31.00	4.00
Sample End Depth:	18.00	31.00	16.50	39.00	14.00
Sample Date:	01/14/2019	01/14/2019	01/14/2019	01/14/2019	03/25/2020
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	19.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.00 U	9.20 U	9.70 U	9.00 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.00 U	9.20 U	9.70 U	9.00 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.00 U	9.20 U	9.70 U	9.00 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	0.760 J	1.60 J	0.970 U	0.570 J	0.910 U
Perfluorodecanoic acid (PFDA)	0.900 U	0.440 J	0.970 U	0.900 U	0.940 J
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.50 U	1.30 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	3.50	3.50	0.870 J	0.690 J	0.970 J
Perfluorohexanesulfonic acid (PFHxS)	1.30 J	0.900 J	0.480 J	0.590 J	0.510 J
Perfluorohexanoic acid (PFHxA)	2.70	3.10	0.970 U	0.980 J	0.700 J
Perfluorononanoic acid (PFNA)	0.550 J	0.930 J	0.690 J	0.590 J	0.480 J
Perfluorooctanesulfonic acid (PFOS)	1.50 J	3.50 J	2.30 J	1.00 J	2.70 U
Perfluorooctanoic acid (PFOA)	8.50	7.40	2.40	1.90	1.40 J
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.80 U	2.90 U	2.70 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.70 U	2.80 U	2.90 U	2.70 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.50 U	1.30 U	1.40 U

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	Locations: HA-4B	HA-4S	HA-5S	XJM-93-01X	XJM-93-04X
Field Sample ID:	HA-4B-JAN19	HA-4S-JAN19	HA-5S-JAN19	XJM-93-01X-DEC18	XJM-93-04X-DEC18
Sample Begin Depth:	35.80	4.00	5.50	6.50	4.50
Sample End Depth:	43.80	17.00	15.50	16.50	14.50
Sample Date:	01/14/2019	01/14/2019	01/14/2019	12/19/2018	12/19/2018
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	19.0 U	18.0 U	8.90 J
8:2 Fluorotelomer sulfonate (8:2 FTS)	8.90 U	9.00 U	9.60 U	9.00 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.90 U	9.00 U	9.60 U	9.00 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.90 U	9.00 U	9.60 U	9.00 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	0.890 U	1.10 J	0.960 U	0.890 J	1.10 J
Perfluorodecanoic acid (PFDA)	0.890 U	0.900 U	0.960 U	0.900 U	2.20
Perfluorododecanoic acid (PFDoA)	1.30 U	1.30 U	1.40 U	1.30 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	1.30 U	5.80	1.40 J	2.10	3.40
Perfluorohexanesulfonic acid (PFHxS)	0.890 U	1.20 J	0.920 J	1.80 U	1.80 U
Perfluorohexanoic acid (PFHxA)	0.500 J	4.50	0.960 U	1.60 J	3.50
Perfluorononanoic acid (PFNA)	1.30 U	0.480 J	1.60 J	0.640 J	1.90
Perfluorooctanesulfonic acid (PFOS)	2.70 U	2.70 U	3.70 J	2.30 J	2.00 J
Perfluorooctanoic acid (PFOA)	1.30 U	12.0	4.00	6.20	5.00
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.70 U	2.90 U	2.70 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.70 U	2.70 U	2.90 U	2.70 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.30 U	1.30 U	1.40 U	1.30 U	1.40 U

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	Locations: XJM-93-04X (FD)	XJM-94-07X	XJM-94-08X	XJM-97-12X	XJM-97-13X
Field Sample ID:	XJM-DUP01-DEC18	XJM-94-07X-DEC18	XJM-94-08X-MAR20	XJM-97-12X-JAN19	XJM-97-13X-MAR20
Sample Begin Depth:	4.50	3.70	7.60	20.00	41.50
Sample End Depth:	14.50	13.70	17.60	30.00	51.50
Sample Date:	12/19/2018	12/19/2018	03/25/2020	01/14/2019	03/25/2020
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	18.0 U	19.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	8.80 U	9.20 U	9.50 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	8.80 U	9.20 U	9.50 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	8.80 U	9.20 U	9.50 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	1.00 J	3.30	0.920 U	0.950 U	0.910 U
Perfluorodecanoic acid (PFDA)	2.10	0.600 J	0.920 U	0.630 J	0.910 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.30 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	3.90	9.80	1.20 J	3.40	1.40 U
Perfluorohexanesulfonic acid (PFHxS)	1.80 U	2.80	0.560 J	0.750 J	0.410 J
Perfluorohexanoic acid (PFHxA)	3.80	5.70	0.950 J	3.10	0.910 U
Perfluorononanoic acid (PFNA)	2.00	1.20 J	1.40 U	1.40 J	1.40 U
Perfluorooctanesulfonic acid (PFOS)	2.10 J	7.60	1.20 J	3.70 J	2.70 U
Perfluorooctanoic acid (PFOA)	5.50	29.0	3.70	5.80	1.40 U
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.60 U	2.80 U	2.80 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.60 U	2.80 U	2.80 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.30 U	1.40 U	1.40 U	1.40 U

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Locations: XJM-97-13X (FD)

Field Sample ID: A2-DUP-1-MAR20

Sample Begin Depth: 41.50

Sample End Depth: 51.50

Sample Date: 03/25/2020

PFAS (ng/L)

6:2 Fluorotelomer sulfonate (6:2 FTS)	20.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	10.0 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	10.0 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10.0 U
Perfluorobutanesulfonic acid (PFBS)	1.00 U
Perfluorodecanoic acid (PFDA)	1.00 U
Perfluorododecanoic acid (PFDoA)	1.50 U
Perfluoroheptanoic acid (PFHpA)	1.50 U
Perfluorohexanesulfonic acid (PFHxS)	0.380 J
Perfluorohexanoic acid (PFHxA)	1.00 U
Perfluorononanoic acid (PFNA)	1.50 U
Perfluorooctanesulfonic acid (PFOS)	3.00 U
Perfluorooctanoic acid (PFOA)	1.50 U
Perfluorotetradecanoic acid (PFTA)	3.00 U
Perfluorotridecanoic acid (PFTrDA)	3.00 U
Perfluoroundecanoic acid (PFUnA)	1.50 U

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Detects are displayed in bold font

Data Qualifier Definitions

J: The analyte was positively identified, but the associated numerical value is estimated and represents the approximate concentration of the analyte in the sample.
U: The analyte was not detected above the reported sample quantitation limit.
UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate.

Units

MG/KG = milligrams per kilogram
NG/L = nanograms per liter
PERCENT = percent
PPT = parts per thousand
UG/KG = microgram per kilogram
UG/L = microgram per liter