

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

KOMAN, PFAS RI, Vertical Profile Samples-Area3

AOC 21, Waste Water Treatment Plant Sludge Drying Beds

	Locations: 21VP-19-01	21VP-19-01	21VP-19-01	21VP-19-01	21VP-19-01
Field Sample ID:	21VP-19-01-23-27	21VP-19-01-33-37	21VP-19-01-43-47	21VP-19-01-53-57	21VP-19-01-63-67
Sample Begin Depth:	23.00	33.00	43.00	53.00	63.00
Sample End Depth:	27.00	37.00	47.00	57.00	67.00
Sample Date:	07/23/2019	07/23/2019	07/23/2019	07/23/2019	07/23/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	19.0 U	18.0 U	19.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.50 U	9.60 U	9.20 U	9.50 U	9.40 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.50 U	9.60 U	9.20 U	9.50 U	9.40 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.50 U	9.60 U	9.20 U	9.50 U	9.40 U
Perfluorobutanesulfonic acid (PFBS)	12.0	12.0	14.0	12.0	8.00
Perfluorodecanoic acid (PFDA)	4.60	1.90	4.90	2.80	2.40
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	14.0	16.0	9.50	13.0	15.0
Perfluorohexanesulfonic acid (PFHxS)	12.0	19.0	5.80	15.0	12.0
Perfluorohexanoic acid (PFHxA)	29.0	25.0	27.0	31.0	24.0
Perfluorononanoic acid (PFNA)	6.30	11.0	8.50	3.00	3.30
Perfluorooctanesulfonic acid (PFOS)	110	160	190	49.0	54.0
Perfluorooctanoic acid (PFOA)	43.0	96.0	24.0	56.0	27.0
Perfluorotetradecanoic acid (PFTA)	2.90 U	2.90 U	2.80 U	2.90 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.90 U	2.90 U	2.80 U	2.90 U	2.80 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U

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	Locations: 21VP-19-01	21VP-19-01	21VP-19-01	21VP-19-01 (FD)	21VP-19-02
Field Sample ID:	21VP-19-01-73-77	21VP-19-01-83-87	21VP-19-01-91-95	A3-VP-DUP-R1-72319	21VP-19-02-103-107
Sample Begin Depth:	73.00	83.00	91.00	53.00	103.00
Sample End Depth:	77.00	87.00	95.00	57.00	107.00
Sample Date:	07/23/2019	07/24/2019	07/24/2019	07/23/2019	07/26/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	20.0 U	19.0 U	18.0 U	19.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.80 U	9.40 U	9.10 U	9.40 U	9.30 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.80 U	9.40 U	9.10 U	9.40 U	9.30 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.80 U	9.40 U	9.10 U	9.40 U	9.30 U
Perfluorobutanesulfonic acid (PFBS)	7.10	7.30	6.00	12.0	5.70
Perfluorodecanoic acid (PFDA)	2.20	3.60	3.30	2.60	2.70
Perfluorododecanoic acid (PFDoA)	1.50 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	15.0	17.0	17.0	13.0	15.0
Perfluorohexanesulfonic acid (PFHxS)	14.0	16.0	20.0	15.0	22.0
Perfluorohexanoic acid (PFHxA)	26.0	29.0	26.0	30.0	24.0
Perfluorononanoic acid (PFNA)	3.80	4.60	4.20	3.20	5.80
Perfluorooctanesulfonic acid (PFOS)	64.0	75.0	80.0	51.0	76.0
Perfluorooctanoic acid (PFOA)	32.0	34.0	36.0	54.0	38.0
Perfluorotetradecanoic acid (PFTA)	2.90 U	2.80 U	2.70 U	2.80 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.90 U	2.80 U	2.70 U	2.80 U	2.80 U
Perfluoroundecanoic acid (PFUnA)	1.50 U	1.40 U	1.40 U	1.40 U	1.40 U

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	Locations: 21VP-19-02	21VP-19-02	21VP-19-02	21VP-19-02	21VP-19-02
Field Sample ID:	21VP-19-02-113-117	21VP-19-02-123-127	21VP-19-02-13-17	21VP-19-02-23-27	21VP-19-02-33-37
Sample Begin Depth:	113.00	123.00	13.00	23.00	33.00
Sample End Depth:	117.00	127.00	17.00	27.00	37.00
Sample Date:	07/29/2019	07/29/2019	07/24/2019	07/24/2019	07/24/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	21.0 U	19.0 U	18.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	10.0 U	9.50 U	9.10 U	9.10 U	9.20 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	10.0 U	3.20 J	9.10 U	9.10 U	9.20 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10.0 U	9.50 U	9.10 U	9.10 U	9.20 U
Perfluorobutanesulfonic acid (PFBS)	6.70	6.50	2.00	7.30	5.20
Perfluorodecanoic acid (PFDA)	4.40	3.40	0.910 U	1.70 J	3.10
Perfluorododecanoic acid (PFDoA)	1.60 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	16.0	16.0	3.30	13.0	13.0
Perfluorohexanesulfonic acid (PFHxS)	22.0	27.0	4.10	18.0	15.0
Perfluorohexanoic acid (PFHxA)	24.0	23.0	2.20	18.0	21.0
Perfluorononanoic acid (PFNA)	9.00	8.20	1.40 U	8.00	5.40
Perfluorooctanesulfonic acid (PFOS)	100	100	38.0	120	73.0
Perfluorooctanoic acid (PFOA)	49.0	59.0	16.0	41.0	27.0
Perfluorotetradecanoic acid (PFTA)	3.10 U	2.90 U	2.70 U	2.70 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	3.10 U	2.90 U	2.70 U	2.70 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.60 U	1.40 U	1.40 U	1.40 U	1.40 U

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	Locations: 21VP-19-02	21VP-19-02	21VP-19-02	21VP-19-02	21VP-19-02
Field Sample ID:	21VP-19-02-43-47	21VP-19-02-53-57	21VP-19-02-63-67	21VP-19-02-73-77	21VP-19-02-83-87
Sample Begin Depth:	43.00	53.00	63.00	73.00	83.00
Sample End Depth:	47.00	57.00	67.00	77.00	87.00
Sample Date:	07/25/2019	07/25/2019	07/25/2019	07/25/2019	07/26/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	19.0 U	19.0 U	19.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.30 U	9.30 U	9.50 U	9.40 U	9.30 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.30 U	9.30 U	9.50 U	9.40 U	9.30 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.30 U	9.30 U	9.50 U	9.40 U	9.30 U
Perfluorobutanesulfonic acid (PFBS)	4.80	6.50	6.20	6.70	6.40
Perfluorodecanoic acid (PFDA)	3.30	3.20	3.50	3.40	2.80
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	12.0	15.0	15.0	15.0	14.0
Perfluorohexanesulfonic acid (PFHxS)	15.0	18.0	19.0	22.0	20.0
Perfluorohexanoic acid (PFHxA)	21.0	22.0	23.0	23.0	22.0
Perfluorononanoic acid (PFNA)	4.70	5.50	6.00	6.10	5.20
Perfluorooctanesulfonic acid (PFOS)	72.0	79.0	86.0	86.0	77.0
Perfluorooctanoic acid (PFOA)	29.0	32.0	34.0	41.0	36.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.80 U	2.80 U	2.80 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.80 U	2.80 U	2.80 U	2.80 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U

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Locations:	21VP-19-02	21VP-19-02 (FD)
Field Sample ID:	21VP-19-02-93-97	A3-VP-DUP-R2-072519
Sample Begin Depth:	93.00	63.00
Sample End Depth:	97.00	67.00
Sample Date:	07/26/2019	07/25/2019
PFAS (ng/L)		
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	21.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.30 U	10.0 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.30 U	10.0 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.30 U	10.0 U
Perfluorobutanesulfonic acid (PFBS)	6.20	5.90
Perfluorodecanoic acid (PFDA)	3.10	3.10
Perfluorododecanoic acid (PFDoA)	1.40 U	1.60 U
Perfluoroheptanoic acid (PFHpA)	15.0	14.0
Perfluorohexanesulfonic acid (PFHxS)	20.0	20.0
Perfluorohexanoic acid (PFHxA)	23.0	24.0
Perfluorononanoic acid (PFNA)	5.80	6.00
Perfluorooctanesulfonic acid (PFOS)	90.0	82.0
Perfluorooctanoic acid (PFOA)	38.0	37.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	3.10 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	3.10 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.60 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