

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

AOC 5, Shepley's Hill Landfill

	Locations: N6-P1	N7-P1	N7-P2	SHL-17	SHL-25
	Field Sample ID: N6-P1-JAN19	N7-P1-DEC18	N7-P2-DEC18	SHL-17-FAL18	SHL-25-FAL18
	Sample Begin Depth: 85.50	66.00	29.00	6.00	23.50
	Sample End Depth: 87.50	68.00	34.00	16.00	33.50
	Sample Date: 01/15/2019	12/20/2018	12/20/2018	12/10/2018	12/10/2018
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	19.0 U	19.0 U	19.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.10 U	9.60 U	9.70 U	9.60 U	9.50 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.10 U	9.60 U	9.70 U	9.60 U	9.50 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.10 U	9.60 U	9.70 U	9.60 U	9.50 U
Perfluorobutanesulfonic acid (PFBS)	8.10	10.0	10.0	0.960 U	10.0
Perfluorodecanoic acid (PFDA)	0.910 U	0.960 U	0.970 U	1.10 J	0.950 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	7.60	7.00	5.60	1.10 J	7.50
Perfluorohexanesulfonic acid (PFHxS)	66.0	15.0	150	1.90 U	15.0
Perfluorohexanoic acid (PFHxA)	23.0	25.0	17.0	2.10	10.0
Perfluorononanoic acid (PFNA)	0.880 J	0.990 J	0.900 J	0.770 J	1.40 U
Perfluorooctanesulfonic acid (PFOS)	30.0	5.40	49.0	2.00 J	2.90 U
Perfluorooctanoic acid (PFOA)	22.0	12.0	26.0	1.80 J	13.0
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.90 U	2.90 U	2.90 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	2.70 U	2.90 U	2.90 U	2.90 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	0.690 J	1.40 U

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	Locations: SHP-05-43	SHP-05-44	SHP-05-46A	SHP-05-46A (FD)	SHP-05-46B
Field Sample ID:	SHP-05-43-JAN19	SHP-05-44-JAN19	SHP-05-46A-FAL18	SHP-DUP03-FAL18	SHP-05-46B-FAL18
Sample Begin Depth:	50.50	51.00	20.00	20.00	65.00
Sample End Depth:	60.50	61.00	25.00	25.00	75.00
Sample Date:	01/11/2019	01/15/2019	12/10/2018	12/10/2018	12/10/2018
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	19.0 U	19.0 U	20.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.10 U	9.40 U	9.60 U	9.90 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.10 U	9.40 U	9.60 U	9.90 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.10 U	9.40 U	9.60 U	9.90 U
Perfluorobutanesulfonic acid (PFBS)	3.10	2.40	2.30	2.40	2.90
Perfluorodecanoic acid (PFDA)	0.920 U	0.910 U	0.940 U	0.960 U	0.990 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.50 U
Perfluoroheptanoic acid (PFHpA)	7.70	3.60	5.20	5.40	5.00
Perfluorohexanesulfonic acid (PFHxS)	58.0	45.0	17.0	17.0	68.0
Perfluorohexanoic acid (PFHxA)	33.0	10.0	13.0	13.0	15.0
Perfluorononanoic acid (PFNA)	2.00	1.40 U	1.40 U	1.40 U	0.930 J
Perfluorooctanesulfonic acid (PFOS)	69.0	23.0	11.0	11.0	55.0
Perfluorooctanoic acid (PFOA)	23.0	9.30	20.0	23.0	24.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.70 U	2.80 U	2.90 U	3.00 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.70 U	2.80 U	2.90 U	3.00 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	1.40 U	1.50 U

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Locations:	SHP-99-33A	SHP-ATP
Field Sample ID:	SHP-99-33A_FAL18	SHP-ATP-PW-010819
Sample Begin Depth:	10.50	0.00
Sample End Depth:	15.50	0.00
Sample Date:	12/10/2018	01/08/2019
PFAS (ng/L)		
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.50 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.50 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.50 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	1.30 J	2.80
Perfluorodecanoic acid (PFDA)	0.950 U	0.910 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	5.20	15.0
Perfluorohexanesulfonic acid (PFHxS)	5.10	8.10
Perfluorohexanoic acid (PFHxA)	6.20	24.0
Perfluorononanoic acid (PFNA)	1.50 J	0.630 J
Perfluorooctanesulfonic acid (PFOS)	4.90	11.0
Perfluorooctanoic acid (PFOA)	14.0	12.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U

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KOMAN, PFAS RI, Fall 2018 SHL Monitoring Wells

AOC 5, Shepley's Hill Landfill

	EPA-PZ-2012-2A	EPA-PZ-2012-2B	EPA-PZ-2012-3A	EPA-PZ-2012-3B	N2-P1
Locations:	EPA-PZ-2012-2A	EPA-PZ-2012-2B	EPA-PZ-2012-3A	EPA-PZ-2012-3B	N2-P1
Field Sample ID:	EPA-PZ-2012-2A_FAL18	EPA-PZ-2012-2B_FAL18	EPA-PZ-2012-3A_FAL18	EPA-PZ-2012-3B_FAL18	N2-P1_FAL18
Sample Begin Depth:	18.14	73.16	19.09	68.70	35.00
Sample End Depth:	23.14	78.16	24.09	73.70	40.00
Sample Date:	11/13/2018	11/13/2018	11/14/2018	11/14/2018	12/06/2018
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	19.0 U	19.0 U	19.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.40 U	9.30 U	9.40 U	9.70 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.40 U	9.30 U	9.40 U	9.70 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.40 U	9.30 U	9.40 U	9.70 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	0.900 J	4.10	1.00 J	4.20	6.70
Perfluorodecanoic acid (PFDA)	0.940 U	0.930 U	0.940 U	0.970 U	0.910 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 UJ	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	2.80	4.50	2.90	5.30	5.80
Perfluorohexanesulfonic acid (PFHxS)	2.60	110	2.60	110	130
Perfluorohexanoic acid (PFHxA)	1.40 J	16.0	4.30	20.0	21.0
Perfluorononanoic acid (PFNA)	1.10 J	0.770 J	0.520 J	0.640 J	1.20 J
Perfluorooctanesulfonic acid (PFOS)	12.0	79.0	6.40	74.0	99.0
Perfluorooctanoic acid (PFOA)	9.50	20.0	8.80	24.0	28.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.80 U	2.80 U	2.90 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.80 U	2.80 U	2.90 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U

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Locations:	SHL-12	SHL-15	SHL-4	SHL-5/WT-5	SHM-05-40X
Field Sample ID:	SHL-12_FAL18	SHL-15_FAL18	SHL-4_FAL18	SHL_5/WT-5_FAL18	SHM-05-40X_FAL18
Sample Begin Depth:	15.00	14.00	3.00	0.00	32.00
Sample End Depth:	30.00	24.00	13.00	0.00	34.00
Sample Date:	11/26/2018	11/12/2018	11/14/2018	11/14/2018	11/26/2018
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	17.0 U	20.0 U	19.0 U	19.0 U	17.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	8.60 U	10.0 U	9.70 U	9.50 U	8.70 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.60 U	10.0 U	9.70 U	9.50 U	8.70 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.60 U	10.0 U	9.70 U	9.50 U	8.70 U
Perfluorobutanesulfonic acid (PFBS)	14.0	3.40	1.30 J	0.890 J	3.50
Perfluorodecanoic acid (PFDA)	0.860 U	1.00 U	0.970 U	0.950 U	0.870 U
Perfluorododecanoic acid (PFDoA)	1.30 U	1.50 U	1.50 U	1.40 U	1.30 U
Perfluoroheptanoic acid (PFHpA)	11.0	9.60	2.30	2.10	6.90
Perfluorohexanesulfonic acid (PFHxS)	250	11.0	3.40	1.70 J	53.0
Perfluorohexanoic acid (PFHxA)	21.0	12.0	3.00	2.10	18.0
Perfluorononanoic acid (PFNA)	1.30 U	3.30	1.50 U	1.70 J	0.500 J
Perfluorooctanesulfonic acid (PFOS)	42.0	14.0	3.70 J	7.70	30.0
Perfluorooctanoic acid (PFOA)	50.0	15.0	6.90	6.50	30.0
Perfluorotetradecanoic acid (PFTA)	2.60 U	3.00 U	2.90 U	2.80 U	2.60 U
Perfluorotridecanoic acid (PFTrDA)	2.60 U	3.00 U	2.90 U	2.80 U	2.60 U
Perfluoroundecanoic acid (PFUnA)	1.30 U	1.50 U	1.50 U	1.40 U	1.30 U

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	Locations: SHM-05-40X (FD)	SHM-05-41A	SHM-05-41B	SHM-05-42A	SHM-05-42B
Field Sample ID:	SHL-DUP10_FAL18	SHM-05-41A_FAL18	SHM-05-41B_FAL18	SHM-05-42A_FAL18	SHM-05-42B_FAL18
Sample Begin Depth:	32.00	42.00	62.00	40.00	70.00
Sample End Depth:	34.00	44.00	64.00	42.00	72.00
Sample Date:	11/26/2018	11/16/2018	11/16/2018	11/15/2018	11/15/2018
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	19.0 U	19.0 U	19.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	8.90 U	9.40 U	9.30 U	9.50 U	9.70 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.90 U	9.40 U	9.30 U	9.50 U	9.70 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.90 U	9.40 U	9.30 U	9.50 U	9.70 U
Perfluorobutanesulfonic acid (PFBS)	3.40	0.520 J	2.30	0.890 J	4.10
Perfluorodecanoic acid (PFDA)	0.890 U	0.940 U	0.930 U	0.950 U	0.970 U
Perfluorododecanoic acid (PFDoA)	1.30 U	1.40 U	1.40 U	1.40 U	1.50 U
Perfluoroheptanoic acid (PFHpA)	6.40	1.90	3.10	0.630 J	6.30
Perfluorohexanesulfonic acid (PFHxS)	56.0	2.80	35.0	3.80	62.0
Perfluorohexanoic acid (PFHxA)	18.0	1.40 J	7.70	1.40 J	20.0
Perfluorononanoic acid (PFNA)	1.30 U	1.40 U	1.40 U	1.40 U	1.00 J
Perfluorooctanesulfonic acid (PFOS)	29.0	4.10	22.0	1.40 J	35.0
Perfluorooctanoic acid (PFOA)	29.0	10.0	15.0	3.60	26.0
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.80 U	2.80 U	2.80 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	2.70 U	2.80 U	2.80 U	2.80 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.30 U	1.40 U	1.40 U	1.40 U	1.50 U

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	SHM-07-03	SHM-10-03	SHM-10-06	SHM-10-10	SHM-10-11
Locations:	SHM-07-03	SHM-10-03	SHM-10-06	SHM-10-10	SHM-10-11
Field Sample ID:	SHM-07-03_FALL18	SHM-10-03_FAL18	SHM-10-06_FAL18	SHM-10-10_FALL18	SHM-10-11_FAL18
Sample Begin Depth:	25.00	58.50	69.50	56.00	50.00
Sample End Depth:	35.00	68.50	79.50	66.00	60.00
Sample Date:	11/19/2018	11/28/2018	11/12/2018	11/19/2018	11/09/2018
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	20.0 U	17.0 U	19.0 U	19.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	10.0 U	8.70 U	9.60 U	9.60 U	9.70 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	10.0 U	8.70 U	9.60 U	9.60 U	9.70 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10.0 U	8.70 U	9.60 U	9.60 U	9.70 U
Perfluorobutanesulfonic acid (PFBS)	2.70	5.20	3.70	2.90	5.50
Perfluorodecanoic acid (PFDA)	1.00 U	0.870 U	0.960 U	0.960 U	0.970 U
Perfluorododecanoic acid (PFDoA)	1.50 U	1.30 U	1.40 U	1.40 U	1.50 U
Perfluoroheptanoic acid (PFHpA)	1.80 J	4.00	5.60	7.70	5.90
Perfluorohexanesulfonic acid (PFHxS)	1.50 J	29.0	93.0	32.0	60.0
Perfluorohexanoic acid (PFHxA)	1.60 J	12.0	16.0	15.0	16.0
Perfluorononanoic acid (PFNA)	1.00 J	1.30 U	0.600 J	1.40 U	0.560 J
Perfluorooctanesulfonic acid (PFOS)	2.90 J	16.0	57.0	18.0	22.0
Perfluorooctanoic acid (PFOA)	6.70	20.0	23.0	29.0	15.0
Perfluorotetradecanoic acid (PFTA)	3.00 U	2.60 U	2.90 U	2.90 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	3.00 U	2.60 U	2.90 U	2.90 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.50 U	1.30 U	1.40 U	1.40 U	1.50 U

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	SHM-10-16	SHM-11-06	SHM-13-03	SHM-13-04	SHM-13-08
Locations:	SHM-10-16	SHM-11-06	SHM-13-03	SHM-13-04	SHM-13-08
Field Sample ID:	SHM-10-16_FAL18	SHM-11-06_FAL18	SHM-13-03_FALL18	SHM-13-04_FAL18	SHM-13-08_FALL18
Sample Begin Depth:	75.00	25.00	42.00	20.00	55.00
Sample End Depth:	85.00	35.00	52.00	30.00	65.00
Sample Date:	11/15/2018	11/12/2018	11/19/2018	11/13/2018	11/19/2018
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	21.0 U	20.0 UJ	21.0 U	20.0 U	20.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	10.0 U	9.80 UJ	10.0 U	9.90 U	9.90 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	10.0 U	9.80 UJ	10.0 U	9.90 U	9.90 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10.0 U	9.80 UJ	10.0 U	9.90 U	9.90 U
Perfluorobutanesulfonic acid (PFBS)	5.10	3.40 J	3.40	2.10	1.40 J
Perfluorodecanoic acid (PFDA)	1.00 U	0.980 UJ	1.00 U	0.990 U	0.990 U
Perfluorododecanoic acid (PFDoA)	1.60 U	1.50 UJ	1.60 U	1.50 U	1.50 U
Perfluoroheptanoic acid (PFHpA)	9.10	4.20 J	8.90	1.30 J	3.40
Perfluorohexanesulfonic acid (PFHxS)	81.0	100 J	39.0	3.30	11.0
Perfluorohexanoic acid (PFHxA)	29.0	10.0 J	22.0	1.80 J	6.20
Perfluorononanoic acid (PFNA)	1.60 U	1.10 J	1.60 U	1.50 U	1.50 U
Perfluorooctanesulfonic acid (PFOS)	53.0	58.0 J	26.0	3.30 J	9.70
Perfluorooctanoic acid (PFOA)	36.0	18.0 J	36.0	4.30	12.0
Perfluorotetradecanoic acid (PFTA)	3.10 U	3.00 UJ	3.10 U	3.00 U	3.00 U
Perfluorotridecanoic acid (PFTrDA)	3.10 U	3.00 UJ	3.10 U	3.00 U	3.00 U
Perfluoroundecanoic acid (PFUnA)	1.60 U	1.50 UJ	1.60 U	1.50 U	1.50 U

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	SHM-13-15	SHM-93-24A	SHM-96-5B	SHM-96-5B (FD)	SHM-96-5C
Locations:	SHM-13-15	SHM-93-24A	SHM-96-5B	SHM-96-5B (FD)	SHM-96-5C
Field Sample ID:	SHM-13-15_FAL18	SHM-93-24A_FAL18	SHM-96-5B_FAL18	11262018_PFAS_DUP01	SHM-96-5C_FAL18
Sample Begin Depth:	50.00	13.20	80.00	80.00	50.00
Sample End Depth:	60.00	23.20	90.00	90.00	60.00
Sample Date:	11/15/2018	11/26/2018	11/26/2018	11/26/2018	11/20/2018
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	20.0 U	19.0 U	18.0 U	20.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.90 U	9.50 U	9.20 U	9.90 U	9.70 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.90 U	9.50 U	9.20 U	9.90 U	9.70 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.90 U	9.50 U	9.20 U	9.90 U	9.70 U
Perfluorobutanesulfonic acid (PFBS)	2.10	4.90	4.20	4.60	1.70 J
Perfluorodecanoic acid (PFDA)	0.630 J	0.950 U	0.770 J	0.760 J	0.970 U
Perfluorododecanoic acid (PFDoA)	1.50 U	1.40 U	1.40 U	1.50 U	1.50 U
Perfluoroheptanoic acid (PFHpA)	3.30	14.0	9.30	9.70	3.30
Perfluorohexanesulfonic acid (PFHxS)	15.0	14.0 J	58.0	59.0	26.0
Perfluorohexanoic acid (PFHxA)	8.30	17.0	22.0	22.0	7.00
Perfluorononanoic acid (PFNA)	1.50 U	0.850 J	2.60	2.50	1.30 J
Perfluorooctanesulfonic acid (PFOS)	11.0	5.00	40.0	42.0	26.0
Perfluorooctanoic acid (PFOA)	12.0	25.0	33.0	33.0	12.0
Perfluorotetradecanoic acid (PFTA)	3.00 U	2.90 U	2.80 U	3.00 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	3.00 U	2.90 U	2.80 U	3.00 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.50 U	1.40 U	1.40 U	1.50 U	1.50 U

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	Locations: SHP-01-38B	SHP-01-38B (FD)	SHP-2016-06A	SHP-2016-06B	SHP-2016-06C
Field Sample ID:	SHP-01-38B_FAL18	SHP-DUP01_FAL18	SHP-2016-06A-FAL18	SHP-2016-06B_FAL18	SHP-2016-06C_FAL18
Sample Begin Depth:	18.00	18.00	81.00	102.00	123.00
Sample End Depth:	23.00	23.00	86.00	112.00	133.00
Sample Date:	12/06/2018	12/06/2018	11/09/2018	11/07/2018	11/07/2018
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	19.0 U	18.0 J	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.00 U	9.20 U	9.40 U	9.60 U	9.50 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.00 U	9.20 U	9.40 U	9.60 U	9.50 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.00 U	9.20 U	9.40 U	9.60 U	9.50 U
Perfluorobutanesulfonic acid (PFBS)	2.30	2.30	0.940 U	0.960 U	0.950 U
Perfluorodecanoic acid (PFDA)	0.900 U	0.920 U	0.940 U	0.960 U	0.950 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	2.90	3.30	0.730 J	1.40 U	1.40 U
Perfluorohexanesulfonic acid (PFHxS)	42.0	37.0	0.570 J	0.960 U	0.950 U
Perfluorohexanoic acid (PFHxA)	7.50	7.70	0.940 U	0.960 U	0.950 U
Perfluorononanoic acid (PFNA)	1.00 J	0.860 J	1.40 U	1.40 U	1.40 U
Perfluorooctanesulfonic acid (PFOS)	50.0	47.0	2.80 U	2.90 U	2.80 U
Perfluorooctanoic acid (PFOA)	14.0	15.0	0.570 J	1.40 U	1.40 U
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.80 U	2.80 U	2.90 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.70 U	2.80 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

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

	Locations: SHP-2016-1A	SHP-2016-1B	SHP-2016-2A	SHP-2016-2B	SHP-99-33B
Field Sample ID:	SHP-2016-1A_FAL18	SHP-2016-1B_FAL18	SHP-2016-2A_FAL18	SHP-2016-2B_FAL18	SHP-99-33B_FAL18
Sample Begin Depth:	13.00	75.00	20.00	80.00	74.50
Sample End Depth:	23.00	85.00	25.00	85.00	79.50
Sample Date:	11/13/2018	11/13/2018	11/15/2018	11/15/2018	12/06/2018
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)	9.40 U	9.70 U	9.60 U	9.50 U	9.60 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.40 U	9.70 U	9.60 U	9.50 U	9.60 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.40 U	9.70 U	9.60 U	9.50 U	9.60 U
Perfluorobutanesulfonic acid (PFBS)	3.60	1.60 J	0.960 U	3.80	4.80
Perfluorodecanoic acid (PFDA)	0.940 U	0.970 U	0.960 U	0.950 U	0.960 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.50 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	1.30 J	2.90	1.40 U	7.20	10.0
Perfluorohexanesulfonic acid (PFHxS)	2.10	6.90	1.50 J	58.0	65.0
Perfluorohexanoic acid (PFHxA)	0.890 J	4.10	0.960 U	19.0	29.0
Perfluorononanoic acid (PFNA)	1.40 U	0.600 J	1.40 U	0.660 J	0.530 J
Perfluorooctanesulfonic acid (PFOS)	3.10 J	11.0	2.90 U	39.0	39.0
Perfluorooctanoic acid (PFOA)	4.50	7.70	2.20	28.0	44.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.90 U	2.90 U	2.80 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.90 U	2.90 U	2.80 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.50 U	1.40 U	1.40 U	1.40 U

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

KOMAN, PFAS RI, Supplemental Monitoring Wells/Round 2-Spring 2020

AOC 5, Shepley's Hill Landfill

	Locations: N2-P1	N7-P2	SHM-96-5B	SHM-96-5B (FD)
Field Sample ID:	N2-P1-SPR20	N7-P2-SPR20	SHM-96-5B-SPR20	SHL-DUP-050620
Sample Begin Depth:	35.00	29.00	80.00	80.00
Sample End Depth:	40.00	34.00	90.00	90.00
Sample Date:	05/05/2020	05/05/2020	05/06/2020	05/06/2020
PFAS (ng/L)				
6:2 Fluorotelomer sulfonate (6:2 FTS)	16.0 J	20.0 U	19.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.40 U	10.0 U	9.70 U	9.60 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.40 U	10.0 U	9.70 U	9.60 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.40 U	10.0 U	9.70 U	9.60 U
Perfluorobutanesulfonic acid (PFBS)	5.90	9.20	5.20	4.70
Perfluorodecanoic acid (PFDA)	0.940 U	1.00 U	0.850 J	0.960 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.50 U	1.50 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	6.60	6.10	9.10	8.80
Perfluorohexanesulfonic acid (PFHxS)	120	98.0	75.0	71.0
Perfluorohexanoic acid (PFHxA)	23.0	16.0	22.0	24.0
Perfluorononanoic acid (PFNA)	1.40 J	1.10 J	2.30	2.50
Perfluorooctanesulfonic acid (PFOS)	110	150	58.0	55.0
Perfluorooctanoic acid (PFOA)	23.0	20.0	30.0	28.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	3.00 U	2.90 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	3.00 U	2.90 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.50 U	1.50 U	1.40 U

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

KOMAN, PFAS RI, Supplemental Monitoring Wells-Fall 2019

AOC 5, Shepley's Hill Landfill

	Locations: N1-P1	N1-P2	N2-P1	N2-P2	N3-P1
Field Sample ID:	N1-P1_FAL19	N1-P2_FAL19	N2-P1_FAL19	N2-P2_FAL19	N3-P1_FAL19
Sample Begin Depth:	65.00	40.00	35.00	4.00	32.00
Sample End Depth:	70.00	45.00	40.00	9.00	35.00
Sample Date:	11/14/2019	11/14/2019	11/04/2019	11/14/2019	11/15/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	18.0 U	20.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.30 U	9.10 U	10.0 U	9.00 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.30 U	9.10 U	10.0 U	9.00 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.30 U	9.10 U	10.0 U	9.00 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	1.80 J	3.80	3.30	1.70 J	7.70
Perfluorodecanoic acid (PFDA)	0.930 U	0.910 U	1.00 U	0.900 U	0.910 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.50 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	4.00	4.50	3.70	5.40	3.80
Perfluorohexanesulfonic acid (PFHxS)	15.0	81.0	74.0	6.30	54.0
Perfluorohexanoic acid (PFHxA)	5.70	13.0	13.0	7.60	12.0
Perfluorononanoic acid (PFNA)	0.790 J	1.40 J	1.10 J	1.30 J	1.40 U
Perfluorooctanesulfonic acid (PFOS)	17.0	78.0	77.0	5.80	17.0
Perfluorooctanoic acid (PFOA)	14.0	19.0	18.0	11.0	19.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.70 U	3.00 U	2.70 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.70 U	3.00 U	2.70 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.50 U	1.40 U	1.40 U

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

	Locations: N3-P2	N7-P2	SHL-12	SHL-20	SHL-3
Field Sample ID:	N3-P2_FAL19	N7-P2_FAL19	SHL-12_FAL19	SHL-20_NOV19	SHL-3_FAL19
Sample Begin Depth:	4.00	29.00	15.00	39.00	24.00
Sample End Depth:	9.00	34.00	30.00	49.00	34.00
Sample Date:	11/15/2019	11/07/2019	11/07/2019	11/11/2019	11/15/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	19.0 U	19.0 U	19.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	8.80 U	9.70 U	9.50 U	9.50 U	9.00 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.80 U	9.70 U	9.50 U	9.50 U	9.00 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.80 U	9.70 U	9.50 U	9.50 U	9.00 U
Perfluorobutanesulfonic acid (PFBS)	0.880 U	9.00	14.0	3.00	0.530 J
Perfluorodecanoic acid (PFDA)	0.880 U	0.970 U	0.950 U	0.650 J	0.900 U
Perfluorododecanoic acid (PFDoA)	1.30 U	0.760 J	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	1.70 J	6.10	8.50	3.90	1.40 J
Perfluorohexanesulfonic acid (PFHxS)	0.930 J	110	160	77.0	3.50
Perfluorohexanoic acid (PFHxA)	0.790 J	19.0	22.0	12.0	1.30 J
Perfluorononanoic acid (PFNA)	0.700 J	0.980 J	1.40 U	1.30 J	0.510 J
Perfluorooctanesulfonic acid (PFOS)	2.80 J	47.0	94.0	76.0	2.20 J
Perfluorooctanoic acid (PFOA)	5.30	30.0	24.0	15.0	5.00
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.90 U	2.90 U	2.90 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.70 U	2.30 J	2.90 U	2.90 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.30 U	5.00	1.40 U	1.40 U	1.40 U

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

	Locations: SHL-8D	SHM-05-41C	SHM-13-05	SHM-93-01A	SHM-93-10D
Field Sample ID:	SHL-8D_SEP19	SHM-05-41C_FAL19	SHM-13-05_NOV19	SHM-93-01A_NOV19	SHM-93-10D_FAL19
Sample Begin Depth:	68.00	88.00	75.00	15.50	0.00
Sample End Depth:	70.00	93.00	85.00	25.50	0.00
Sample Date:	09/30/2019	11/08/2019	11/12/2019	11/13/2019	11/14/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	17.0 U	19.0 U	19.0 U	19.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	8.40 U	9.50 U	9.40 U	9.50 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.40 U	9.50 U	9.40 U	9.50 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.40 U	9.50 U	9.40 U	9.50 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	1.30 J	0.540 J	0.960 J	1.40 J	9.10
Perfluorodecanoic acid (PFDA)	0.840 U	0.950 U	0.680 J	0.950 U	0.910 U
Perfluorododecanoic acid (PFDoA)	1.30 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	2.50	2.90	1.50 J	2.60	2.90
Perfluorohexanesulfonic acid (PFHxS)	5.00	5.70	3.70	2.90	77.0
Perfluorohexanoic acid (PFHxA)	5.20	5.20	3.50	2.60	8.60
Perfluorononanoic acid (PFNA)	1.30 U	1.40 U	1.40 U	0.910 J	0.520 J
Perfluorooctanesulfonic acid (PFOS)	1.70 J	2.80 J	5.40	3.90	47.0
Perfluorooctanoic acid (PFOA)	4.80	7.20	3.90 J	14.0	16.0
Perfluorotetradecanoic acid (PFTA)	2.50 U	2.80 U	2.80 U	2.80 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.50 U	2.80 U	2.80 U	2.80 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.30 U	1.40 U	1.40 U	1.40 U	1.40 U

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	SHM-93-18B	SHM-96-5B	SHM-96-5B (FD)	SHM-99-32X	SHP-99-33B
Locations:	SHM-93-18B	SHM-96-5B	SHM-96-5B (FD)	SHM-99-32X	SHP-99-33B
Field Sample ID:	SHM-93-18B_NOV19	SHM-96-5B_FAL19	SHL-DUP-110719	SHM-99-32X_SEP19	SHP-99-33B_FAL19
Sample Begin Depth:	78.50	80.00	80.00	72.00	74.50
Sample End Depth:	88.50	90.00	90.00	82.00	79.50
Sample Date:	11/13/2019	11/07/2019	11/07/2019	09/30/2019	11/14/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	19.0 U	19.0 U	17.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.10 U	9.40 U	9.50 U	8.50 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.10 U	9.40 U	9.50 U	8.50 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.10 U	9.40 U	9.50 U	8.50 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	3.90	4.30	4.10	1.70	3.90
Perfluorodecanoic acid (PFDA)	0.910 U	0.540 J	0.570 J	0.850 U	0.910 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.30 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	2.70	8.60	8.10	1.40 J	7.20
Perfluorohexanesulfonic acid (PFHxS)	67.0	65.0	61.0	10.0	72.0
Perfluorohexanoic acid (PFHxA)	11.0	21.0	20.0	3.70	21.0
Perfluorononanoic acid (PFNA)	0.810 J	2.30	2.10	1.20 J	0.570 J
Perfluorooctanesulfonic acid (PFOS)	110	49.0	48.0	7.30	48.0
Perfluorooctanoic acid (PFOA)	9.50	29.0	29.0	12.0	29.0
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.80 U	2.80 U	2.50 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.70 U	2.80 U	2.80 U	2.50 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	1.30 U	1.40 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