

Former Fort Devens, Stage 2B Validation - Electronic and Manual Data Approved Between 9/24/2018 and 4/17/2020

KOMAN, PFAS RI, Vertical Profile Samples-Area2

Shabokin Well Field

	Locations: SWVP-19-01	SWVP-19-01	SWVP-19-01	SWVP-19-01	SWVP-19-01
Field Sample ID:	SWVP-19-01-17-21	SWVP-19-01-27-31	SWVP-19-01-37-41	SWVP-19-01-47-51	SWVP-19-01-57-61
Sample Begin Depth:	17.00	27.00	37.00	47.00	57.00
Sample End Depth:	21.00	31.00	41.00	51.00	61.00
Sample Date:	05/17/2019	05/17/2019	05/17/2019	05/20/2019	05/20/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	19.0 U	18.0 U	25.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.40 U	9.30 U	9.10 U	13.0 U	9.60 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.40 U	9.30 U	9.10 U	13.0 U	9.60 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.40 U	9.30 U	9.10 U	13.0 U	9.60 U
Perfluorobutanesulfonic acid (PFBS)	<b>0.520 J</b>	<b>0.700 J</b>	<b>1.00 J</b>	1.30 U	<b>1.00 J</b>
Perfluorodecanoic acid (PFDA)	0.940 U	0.930 U	0.910 U	1.30 U	0.960 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.90 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>1.00 J</b>	<b>1.10 J</b>	<b>2.20</b>	<b>3.10</b>	<b>2.30</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>5.10</b>	<b>13.0</b>	<b>23.0</b>	<b>18.0</b>	<b>20.0</b>
Perfluorohexanoic acid (PFHxA)	<b>1.60 J</b>	<b>2.00</b>	<b>6.50</b>	<b>8.00</b>	<b>6.40</b>
Perfluorononanoic acid (PFNA)	1.40 U	1.40 U	<b>0.700 J</b>	<b>0.870 J</b>	<b>0.940 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>1.40 J</b>	<b>4.00</b>	<b>7.00</b>	<b>8.30</b>	<b>9.30</b>
Perfluorooctanoic acid (PFOA)	<b>4.80</b>	<b>6.00</b>	<b>10.0</b>	<b>10.0</b>	<b>9.30</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.80 U	2.70 U	3.80 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.80 U	2.70 U	3.80 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	1.90 U	1.40 U

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	Locations: SWVP-19-01	SWVP-19-01	SWVP-19-01	SWVP-19-01 (FD)	SWVP-19-03
Field Sample ID:	SWVP-19-01-67-71	SWVP-19-01-7-11	SWVP-19-01-85-89	A2-VP-DUP-R1-52119	SWVP-19-03-47-51
Sample Begin Depth:	67.00	7.00	85.00	85.00	47.00
Sample End Depth:	71.00	11.00	89.00	89.00	51.00
Sample Date:	05/20/2019	05/17/2019	05/21/2019	05/21/2019	05/21/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	19.0 U	19.0 U	21.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.30 U	9.40 U	11.0 U	9.70 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.30 U	9.40 U	11.0 U	9.70 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.30 U	9.40 U	11.0 U	9.70 U
Perfluorobutanesulfonic acid (PFBS)	<b>0.940 J</b>	<b>0.460 J</b>	<b>0.830 J</b>	<b>0.910 J</b>	0.970 U
Perfluorodecanoic acid (PFDA)	0.920 U	0.930 U	0.940 U	1.10 U	0.970 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.60 U	1.50 U
Perfluoroheptanoic acid (PFHpA)	<b>2.50</b>	<b>1.20 J</b>	<b>1.30 J</b>	<b>1.60 J</b>	1.50 U
Perfluorohexanesulfonic acid (PFHxS)	<b>17.0</b>	<b>5.30</b>	<b>13.0</b>	<b>13.0</b>	<b>0.650 J</b>
Perfluorohexanoic acid (PFHxA)	<b>6.30</b>	<b>4.10</b>	<b>3.90</b>	<b>4.20</b>	0.970 U
Perfluorononanoic acid (PFNA)	<b>1.00 J</b>	1.40 U	1.40 U	<b>0.590 J</b>	1.50 U
Perfluorooctanesulfonic acid (PFOS)	<b>9.70</b>	<b>2.00 J</b>	<b>4.50</b>	<b>5.20</b>	2.90 U
Perfluorooctanoic acid (PFOA)	<b>11.0</b>	<b>5.60</b>	<b>7.00</b>	<b>7.30</b>	<b>0.530 J</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.80 U	2.80 U	3.20 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.80 U	2.80 U	3.20 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	1.60 U	1.50 U

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	Locations: SWVP-19-03	SWVP-19-03	SWVP-19-03	SWVP-19-03	SWVP-19-04
Field Sample ID:	SWVP-19-03-57-61	SWVP-19-03-67-71	SWVP-19-03-77-81	SWVP-19-03-87-91	SWVP-19-04-22-26
Sample Begin Depth:	57.00	67.00	77.00	87.00	22.00
Sample End Depth:	61.00	71.00	81.00	91.00	26.00
Sample Date:	05/22/2019	05/22/2019	05/22/2019	05/23/2019	05/24/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	20.0 U	20.0 U	20.0 U	20.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.80 U	9.80 U	9.90 U	9.80 U	9.20 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.80 U	9.80 U	9.90 U	9.80 U	9.20 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.80 U	9.80 U	9.90 U	9.80 U	9.20 U
Perfluorobutanesulfonic acid (PFBS)	<b>0.450 J</b>	<b>0.780 J</b>	0.990 U	<b>1.10 J</b>	0.920 U
Perfluorodecanoic acid (PFDA)	0.980 U	0.980 U	0.990 U	0.980 U	0.920 U
Perfluorododecanoic acid (PFDoA)	1.50 U	1.50 U	1.50 U	1.50 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>0.740 J</b>	<b>1.20 J</b>	1.50 U	1.50 U	1.40 U
Perfluorohexanesulfonic acid (PFHxS)	<b>1.20 J</b>	<b>2.90</b>	0.990 U	<b>3.00</b>	<b>0.700 J</b>
Perfluorohexanoic acid (PFHxA)	<b>1.50 J</b>	<b>3.00</b>	0.990 U	<b>1.90 J</b>	<b>0.600 J</b>
Perfluorononanoic acid (PFNA)	1.50 U	1.50 U	1.50 U	1.50 U	1.40 U
Perfluorooctanesulfonic acid (PFOS)	<b>2.20 J</b>	<b>1.70 J</b>	3.00 U	2.90 U	2.80 U
Perfluorooctanoic acid (PFOA)	<b>1.50 J</b>	<b>1.80 J</b>	1.50 U	<b>1.20 J</b>	<b>0.870 J</b>
Perfluorotetradecanoic acid (PFTA)	3.00 U	2.90 U	3.00 U	2.90 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	3.00 U	2.90 U	3.00 U	2.90 U	2.80 U
Perfluoroundecanoic acid (PFUnA)	1.50 U	1.50 U	1.50 U	1.50 U	1.40 U

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	Locations: SWVP-19-04	SWVP-19-04	SWVP-19-04	SWVP-19-04	SWVP-19-04
Field Sample ID:	SWVP-19-04-32-36	SWVP-19-04-42-46	SWVP-19-04-52-56	SWVP-19-04-62-66	SWVP-19-04-72-76
Sample Begin Depth:	32.00	42.00	52.00	62.00	72.00
Sample End Depth:	36.00	46.00	56.00	66.00	76.00
Sample Date:	05/24/2019	05/22/2019	05/22/2019	05/22/2019	05/22/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	18.0 U	19.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.20 U	9.10 U	9.30 U	9.40 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.20 U	9.10 U	9.30 U	9.40 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.20 U	9.10 U	9.30 U	9.40 U
Perfluorobutanesulfonic acid (PFBS)	0.920 U	<b>0.950 J</b>	<b>1.10 J</b>	<b>0.950 J</b>	<b>1.00 J</b>
Perfluorodecanoic acid (PFDA)	0.920 U	0.920 U	0.910 U	0.930 U	0.940 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>0.590 J</b>	1.40 U	<b>0.770 J</b>	<b>0.940 J</b>	<b>2.20</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>3.00</b>	<b>9.20</b>	<b>7.30</b>	<b>8.30</b>	<b>5.00</b>
Perfluorohexanoic acid (PFHxA)	<b>2.70</b>	<b>1.10 J</b>	0.910 U	<b>1.90</b>	<b>5.20</b>
Perfluorononanoic acid (PFNA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluorooctanesulfonic acid (PFOS)	<b>2.20 J</b>	<b>2.40 J</b>	<b>1.70 J</b>	<b>1.70 J</b>	<b>8.10</b>
Perfluorooctanoic acid (PFOA)	<b>2.30</b>	<b>1.60 J</b>	<b>6.20</b>	<b>3.90</b>	<b>16.0</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.80 U	2.70 U	2.80 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.80 U	2.70 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: SWVP-19-04	SWVP-19-04	SWVP-19-05	SWVP-19-05	SWVP-19-05
<b>Field Sample ID:</b>	SWVP-19-04-82-86	SWVP-19-04-91.75-95.75	SWVP-19-05-17-21	SWVP-19-05-27-31	SWVP-19-05-37-41
<b>Sample Begin Depth:</b>	82.00	91.75	17.00	27.00	37.00
<b>Sample End Depth:</b>	86.00	95.75	21.00	31.00	41.00
<b>Sample Date:</b>	05/23/2019	05/23/2019	06/26/2019	06/26/2019	06/26/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	18.0 U	25.0 U	19.0 U	21.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.30 U	9.10 U	12.0 U	9.30 U	10.0 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.30 U	9.10 U	12.0 U	9.30 U	10.0 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.30 U	9.10 U	12.0 U	9.30 U	10.0 U
Perfluorobutanesulfonic acid (PFBS)	<b>1.20 J</b>	<b>0.990 J</b>	<b>0.750 J</b>	<b>0.920 J</b>	1.00 U
Perfluorodecanoic acid (PFDA)	0.930 U	0.910 U	1.20 U	0.930 U	1.00 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.80 U	1.40 U	1.50 U
Perfluoroheptanoic acid (PFHpA)	<b>2.60</b>	<b>2.00</b>	<b>3.30</b>	<b>1.50 J</b>	<b>1.80 J</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>6.10</b>	<b>5.90</b>	<b>2.20 J</b>	<b>1.60 J</b>	<b>1.10 J</b>
Perfluorohexanoic acid (PFHxA)	<b>3.70</b>	<b>2.20</b>	<b>7.70</b>	<b>4.70</b>	<b>1.50 J</b>
Perfluorononanoic acid (PFNA)	1.40 U	1.40 U	1.80 U	<b>0.790 J</b>	1.50 U
Perfluorooctanesulfonic acid (PFOS)	<b>5.90</b>	<b>3.80</b>	<b>2.10 J</b>	<b>3.10 J</b>	3.10 U
Perfluorooctanoic acid (PFOA)	<b>15.0</b>	<b>11.0</b>	<b>4.50</b>	<b>3.50</b>	<b>1.00 J</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.70 U	3.70 U	2.80 U	3.10 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.70 U	3.70 U	2.80 U	3.10 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.80 U	1.40 U	1.50 U

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	Locations: SWVP-19-05	SWVP-19-05	SWVP-19-05	SWVP-19-05	SWVP-19-05
Field Sample ID:	SWVP-19-05-47-51	SWVP-19-05-57-61	SWVP-19-05-67-71	SWVP-19-05-7-11	SWVP-19-05-77-81
Sample Begin Depth:	47.00	57.00	67.00	7.00	77.00
Sample End Depth:	51.00	61.00	71.00	11.00	81.00
Sample Date:	06/26/2019	06/27/2019	06/27/2019	06/26/2019	06/27/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	23.0 U	19.0 U	27.0 U	18.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	11.0 U	9.50 U	13.0 U	9.20 U	9.30 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	11.0 U	9.50 U	13.0 U	9.20 U	9.30 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	11.0 U	9.50 U	13.0 U	9.20 U	9.30 U
Perfluorobutanesulfonic acid (PFBS)	1.10 U	0.950 U	1.30 U	<b>1.30 J</b>	<b>0.510 J</b>
Perfluorodecanoic acid (PFDA)	1.10 U	0.950 U	1.30 U	0.920 U	0.930 U
Perfluorododecanoic acid (PFDoA)	1.70 U	1.40 U	2.00 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	1.70 U	1.40 U	<b>1.30 J</b>	<b>0.580 J</b>	1.40 U
Perfluorohexanesulfonic acid (PFHxS)	<b>1.60 J</b>	<b>0.920 J</b>	<b>1.50 J</b>	<b>1.80</b>	<b>0.970 J</b>
Perfluorohexanoic acid (PFHxA)	<b>1.50 J</b>	0.950 U	<b>1.80 J</b>	<b>0.760 J</b>	0.930 U
Perfluorononanoic acid (PFNA)	1.70 U	1.40 U	2.00 U	<b>0.810 J</b>	1.40 U
Perfluorooctanesulfonic acid (PFOS)	<b>2.20 J</b>	<b>1.40 J</b>	<b>6.00</b>	<b>28.0</b>	2.80 U
Perfluorooctanoic acid (PFOA)	<b>1.40 J</b>	<b>0.550 J</b>	<b>3.80</b>	<b>4.20</b>	<b>0.900 J</b>
Perfluorotetradecanoic acid (PFTA)	3.40 U	2.80 U	4.00 U	2.80 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	3.40 U	2.80 U	4.00 U	2.80 U	2.80 U
Perfluoroundecanoic acid (PFUnA)	1.70 U	1.40 U	2.00 U	1.40 U	1.40 U

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	Locations: SWVP-19-05	SWVP-19-05	SWVP-19-05 (FD)	SWVP-19-05 (FD)	SWVP-19-06
Field Sample ID:	SWVP-19-05-87-91	SWVP-19-05-97-101	A2-VP-DUP-R1-62619	A2-VP-DUP-R1-62719	SWVP-19-06-04-08
Sample Begin Depth:	87.00	97.00	7.00	77.00	4.00
Sample End Depth:	91.00	101.00	11.00	81.00	8.00
Sample Date:	06/27/2019	06/28/2019	06/26/2019	06/27/2019	10/09/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	19.0 U	19.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.30 U	9.40 U	9.50 U	9.10 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.30 U	9.40 U	9.50 U	9.10 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.30 U	9.40 U	9.50 U	9.10 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	<b>0.550 J</b>	<b>0.550 J</b>	<b>1.40 J</b>	<b>0.510 J</b>	<b>0.460 J</b>
Perfluorodecanoic acid (PFDA)	0.930 U	0.940 U	0.950 U	0.910 U	0.910 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	1.40 U	1.40 U	1.40 U	1.40 U	<b>2.00</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>1.00 J</b>	<b>0.880 J</b>	<b>2.00</b>	<b>1.00 J</b>	<b>4.40</b>
Perfluorohexanoic acid (PFHxA)	<b>0.600 J</b>	0.940 U	<b>0.670 J</b>	0.910 U	<b>3.10</b>
Perfluorononanoic acid (PFNA)	1.40 U	1.40 U	<b>0.860 J</b>	1.40 U	1.40 U
Perfluorooctanesulfonic acid (PFOS)	<b>1.40 J</b>	2.80 U	<b>28.0</b>	2.70 U	<b>2.70 J</b>
Perfluorooctanoic acid (PFOA)	<b>0.860 J</b>	<b>0.780 J</b>	<b>4.20</b>	<b>0.820 J</b>	<b>4.30</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.80 U	2.80 U	2.70 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.80 U	2.80 U	2.70 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: SWVP-19-06	SWVP-19-06	SWVP-19-06	SWVP-19-06	SWVP-19-06 (FD)
Field Sample ID:	SWVP-19-06-09-13	SWVP-19-06-19-23	SWVP-19-06-29-33	SWVP-19-06-39-43	A2-VP-DUP-R2-100919
Sample Begin Depth:	9.00	19.00	29.00	39.00	4.00
Sample End Depth:	13.00	23.00	33.00	43.00	8.00
Sample Date:	10/09/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	19.0 U	18.0 U	17.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.40 U	9.60 U	8.90 U	8.70 U	9.00 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.40 U	9.60 U	8.90 U	8.70 U	9.00 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.40 U	9.60 U	8.90 U	8.70 U	9.00 U
Perfluorobutanesulfonic acid (PFBS)	<b>1.10 J</b>	<b>1.10 J</b>	<b>1.50 J</b>	<b>1.50 J</b>	<b>0.510 J</b>
Perfluorodecanoic acid (PFDA)	0.940 U	0.960 U	0.890 U	0.870 U	0.900 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.30 U	1.30 U	1.30 U
Perfluoroheptanoic acid (PFHpA)	1.40 U	<b>11.0</b>	<b>14.0</b>	<b>10.0</b>	<b>1.80</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>3.20</b>	<b>5.30</b>	<b>4.60</b>	<b>2.30</b>	<b>4.00</b>
Perfluorohexanoic acid (PFHxA)	<b>0.460 J</b>	<b>14.0</b>	<b>17.0</b>	<b>17.0</b>	<b>2.80</b>
Perfluorononanoic acid (PFNA)	1.40 U	1.40 U	1.30 U	1.30 U	1.30 U
Perfluorooctanesulfonic acid (PFOS)	2.80 U	2.90 U	2.70 U	2.60 U	<b>2.10 J</b>
Perfluorooctanoic acid (PFOA)	<b>0.890 J</b>	<b>23.0</b>	<b>16.0</b>	<b>8.80</b>	<b>3.80</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.90 U	2.70 U	2.60 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.90 U	2.70 U	2.60 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.30 U	1.30 U	1.30 U



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	Locations: SWVP-20-03	SWVP-20-03	SWVP-20-04	SWVP-20-04	SWVP-20-04
<b>Field Sample ID:</b>	SWVP-20-03-13-17	SWVP-20-03-18-22	SWVP-20-04-24-28	SWVP-20-04-34-38	SWVP-20-04-44-48
<b>Sample Begin Depth:</b>	13.00	18.00	24.00	34.00	44.00
<b>Sample End Depth:</b>	17.00	22.00	28.00	38.00	48.00
<b>Sample Date:</b>	02/20/2020	02/20/2020	02/21/2020	02/21/2020	02/24/2020
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	20.0 U	19.0 U	22.0 U	24.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	10.0 U	9.50 U	11.0 U	12.0 U	9.50 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	10.0 U	9.50 U	11.0 U	12.0 U	9.50 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	10.0 U	9.50 U	11.0 U	12.0 U	9.50 U
Perfluorobutanesulfonic acid (PFBS)	<b>2.40</b>	<b>1.70 J</b>	1.10 U	<b>1.40 J</b>	<b>1.60 J</b>
Perfluorodecanoic acid (PFDA)	1.00 U	0.950 U	1.10 U	1.20 U	0.950 U
Perfluorododecanoic acid (PFDoA)	1.50 U	1.40 U	1.60 U	1.80 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>4.00</b>	<b>1.50 J</b>	1.60 U	<b>3.80</b>	<b>6.70</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>4.30</b>	<b>2.00</b>	<b>0.790 J</b>	<b>1.80 J</b>	<b>3.90</b>
Perfluorohexanoic acid (PFHxA)	<b>3.80</b>	<b>1.40 J</b>	<b>0.540 J</b>	<b>5.10</b>	<b>9.10</b>
Perfluorononanoic acid (PFNA)	<b>0.880 J</b>	1.40 U	1.60 U	<b>0.680 J</b>	<b>0.650 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>12.0</b>	<b>1.40 J</b>	3.30 U	<b>6.60</b>	<b>5.20</b>
Perfluorooctanoic acid (PFOA)	<b>16.0</b>	<b>5.00</b>	<b>2.60 J</b>	<b>10.0</b>	<b>21.0</b>
Perfluorotetradecanoic acid (PFTA)	3.10 U	2.90 U	3.30 U	3.60 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	3.10 U	2.90 U	3.30 U	3.60 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.50 U	1.40 U	1.60 U	1.80 U	1.40 U

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	Locations: SWVP-20-04	SWVP-20-04	SWVP-20-04	SWVP-20-04	SWVP-20-04
<b>Field Sample ID:</b>	SWVP-20-04-54-58	SWVP-20-04-64-68	SWVP-20-04-74-78	SWVP-20-04-84-88	SWVP-20-04-93-97
<b>Sample Begin Depth:</b>	54.00	64.00	74.00	84.00	93.00
<b>Sample End Depth:</b>	58.00	68.00	78.00	88.00	97.00
<b>Sample Date:</b>	02/24/2020	02/24/2020	02/25/2020	02/25/2020	02/25/2020
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	19.0 U	19.0 U	19.0 U	20.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.70 U	9.50 U	9.60 U	9.30 U	9.80 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.70 U	9.50 U	9.60 U	9.30 U	9.80 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.70 U	9.50 U	9.60 U	9.30 U	9.80 U
Perfluorobutanesulfonic acid (PFBS)	<b>1.20 J</b>	<b>1.70 J</b>	<b>0.720 J</b>	<b>1.30 J</b>	<b>1.30 J</b>
Perfluorodecanoic acid (PFDA)	0.970 U	0.950 U	0.960 U	0.930 U	0.980 U
Perfluorododecanoic acid (PFDoA)	1.50 U	1.40 U	1.40 U	1.40 U	1.50 U
Perfluoroheptanoic acid (PFHpA)	<b>4.30</b>	<b>6.60</b>	<b>2.30</b>	<b>2.50</b>	<b>2.30</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>2.90</b>	<b>2.70</b>	<b>2.80</b>	<b>4.40</b>	<b>4.30</b>
Perfluorohexanoic acid (PFHxA)	<b>6.30</b>	<b>6.80</b>	<b>4.00</b>	<b>4.80</b>	<b>3.90</b>
Perfluorononanoic acid (PFNA)	<b>1.30 J</b>	<b>1.00 J</b>	1.40 U	1.40 U	1.50 U
Perfluorooctanesulfonic acid (PFOS)	<b>12.0</b>	<b>17.0</b>	<b>5.00</b>	<b>5.70</b>	<b>1.30 J</b>
Perfluorooctanoic acid (PFOA)	<b>13.0</b>	<b>21.0</b>	<b>5.80</b>	<b>9.00</b>	<b>4.80</b>
Perfluorotetradecanoic acid (PFTA)	2.90 U	2.80 U	2.90 U	2.80 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	2.90 U	2.80 U	2.90 U	2.80 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.50 U	1.40 U	1.40 U	1.40 U	1.50 U

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Locations: SWVP-20-04 (FD)

Field Sample ID: A2-VP-DUP-R2-022420

Sample Begin Depth: 54.00

Sample End Depth: 58.00

Sample Date: 02/24/2020

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**PFAS (ng/L)**

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6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.40 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.40 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.40 U
Perfluorobutanesulfonic acid (PFBS)	<b>1.20 J</b>
Perfluorodecanoic acid (PFDA)	0.940 U
Perfluorododecanoic acid (PFDoA)	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>4.50</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>3.00</b>
Perfluorohexanoic acid (PFHxA)	<b>6.10</b>
Perfluorononanoic acid (PFNA)	<b>1.10 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>14.0</b>
Perfluorooctanoic acid (PFOA)	<b>13.0</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U
Perfluoroundecanoic acid (PFUnA)	1.40 U

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## Former Fort Devens, Stage 2B Validation - Electronic and Manual Data Approved Between 9/24/2018 and 4/17/2020

Detects are displayed in bold font

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### Data Qualifier Definitions

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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

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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