

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

AO3 31, Former Moore Army Air Field Fire Training Area

	Locations: 31VP-19-01	31VP-19-01	31VP-19-01	31VP-19-01	31VP-19-01
Field Sample ID:	31VP-19-01-103-107	31VP-19-01-113-117	31VP-19-01-123-127	31VP-19-01-133-137	31VP-19-01-143-147
Sample Begin Depth:	103.00	113.00	123.00	133.00	143.00
Sample End Depth:	107.00	117.00	127.00	137.00	147.00
Sample Date:	09/04/2019	09/04/2019	09/04/2019	09/05/2019	09/05/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	<b>160</b>	<b>550 J</b>	<b>51.0</b>	<b>140</b>	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.40 U	<b>5.80 J</b>	<b>16.0 J</b>	<b>20.0</b>	<b>3.00 J</b>
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.40 U	9.40 U	9.30 U	10.0 U	9.50 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.40 U	9.40 U	9.30 U	10.0 U	9.50 U
Perfluorobutanesulfonic acid (PFBS)	<b>42.0</b>	<b>73.0 J</b>	<b>190</b>	<b>120</b>	<b>29.0</b>
Perfluorodecanoic acid (PFDA)	0.940 U	0.940 U	0.930 U	1.00 U	0.950 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.50 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>140</b>	<b>160</b>	<b>160</b>	<b>150</b>	<b>19.0</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>2000</b>	<b>3700</b>	<b>4800</b>	<b>3100</b>	<b>360</b>
Perfluorohexanoic acid (PFHxA)	<b>580</b>	<b>1700</b>	<b>2400</b>	<b>1600</b>	<b>72.0</b>
Perfluorononanoic acid (PFNA)	1.40 U	<b>6.80</b>	<b>6.00</b>	<b>3.70</b>	<b>0.830 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>120</b>	<b>1800</b>	<b>1100</b>	<b>760</b>	<b>280</b>
Perfluorooctanoic acid (PFOA)	<b>2400</b>	<b>3900</b>	<b>4100</b>	<b>3000</b>	<b>120</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.80 U	2.80 U	3.10 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.80 U	2.80 U	3.10 U	2.80 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 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

	Locations: 31VP-19-01	31VP-19-01	31VP-19-01	31VP-19-01	31VP-19-01
<b>Field Sample ID:</b>	31VP-19-01-153-157	31VP-19-01-163-167	31VP-19-01-173-177	31VP-19-01-183-187	31VP-19-01-191.5-195.5
<b>Sample Begin Depth:</b>	153.00	163.00	173.00	183.00	191.50
<b>Sample End Depth:</b>	157.00	167.00	177.00	187.00	195.50
<b>Sample Date:</b>	09/16/2019	09/17/2019	09/19/2019	09/19/2019	09/20/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	<b>23.0 J</b>	<b>31.0 J</b>	19.0 U	<b>10.0 J</b>
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.30 U	12.0 U	<b>30.0</b>	9.30 U	<b>12.0 J</b>
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.30 U	12.0 U	10.0 U	9.30 U	9.30 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.30 U	12.0 U	10.0 U	9.30 U	9.30 U
Perfluorobutanesulfonic acid (PFBS)	<b>9.70</b>	<b>13.0</b>	<b>95.0</b>	<b>0.850 J</b>	<b>3.30</b>
Perfluorodecanoic acid (PFDA)	0.930 U	1.20 U	<b>0.710 J</b>	0.930 U	<b>0.550 J</b>
Perfluorododecanoic acid (PFDoA)	1.40 U	1.80 U	1.50 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>4.80</b>	<b>54.0</b>	<b>120</b>	<b>0.590 J</b>	<b>18.0</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>80.0</b>	<b>1200</b>	<b>2800</b>	<b>8.70</b>	<b>200</b>
Perfluorohexanoic acid (PFHxA)	<b>28.0</b>	<b>330</b>	<b>1400</b>	<b>3.20</b>	<b>110</b>
Perfluorononanoic acid (PFNA)	1.40 U	1.80 U	<b>3.20</b>	1.40 U	<b>1.20 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>13.0</b>	<b>33.0</b>	<b>730</b>	<b>1.70 J</b>	<b>91.0</b>
Perfluorooctanoic acid (PFOA)	<b>27.0</b>	<b>1000</b>	<b>2500</b>	<b>3.80</b>	<b>170</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	3.60 U	3.00 U	2.80 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	3.60 U	3.00 U	2.80 U	2.80 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.80 U	1.50 U	<b>0.700 J</b>	1.40 U

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

	Locations: 31VP-19-01	31VP-19-01	31VP-19-01	31VP-19-01	31VP-19-01 (FD)
<b>Field Sample ID:</b>	31VP-19-01-63-67	31VP-19-01-73-77	31VP-19-01-83-87	31VP-19-01-93-97	A3-VP-DUP-R1-9519
<b>Sample Begin Depth:</b>	63.00	73.00	83.00	93.00	143.00
<b>Sample End Depth:</b>	67.00	77.00	87.00	97.00	147.00
<b>Sample Date:</b>	09/03/2019	09/03/2019	09/03/2019	09/03/2019	09/05/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	<b>780 J</b>	19.0 U	19.0 U	<b>120</b>	22.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	<b>500 J</b>	9.40 U	9.60 U	9.30 U	11.0 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.40 U	9.40 U	9.60 U	9.30 U	11.0 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<b>8.60 J</b>	9.40 U	9.60 U	9.30 U	11.0 U
Perfluorobutanesulfonic acid (PFBS)	<b>9.70</b>	<b>0.760 J</b>	<b>1.90</b>	<b>36.0</b>	<b>29.0</b>
Perfluorodecanoic acid (PFDA)	<b>2.00</b>	0.940 U	0.960 U	0.930 U	1.10 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.60 U
Perfluoroheptanoic acid (PFHpA)	<b>77.0</b>	<b>5.00</b>	<b>4.60</b>	<b>130</b>	<b>17.0</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>1000</b>	<b>37.0</b>	<b>41.0</b>	<b>1800</b>	<b>380</b>
Perfluorohexanoic acid (PFHxA)	<b>100</b>	<b>6.80</b>	<b>20.0</b>	<b>360</b>	<b>71.0</b>
Perfluorononanoic acid (PFNA)	<b>5.30</b>	1.40 U	1.40 U	1.40 U	<b>0.760 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>5100</b>	<b>16.0</b>	<b>1.20 J</b>	<b>37.0</b>	<b>260</b>
Perfluorooctanoic acid (PFOA)	<b>730</b>	<b>7.30</b>	<b>42.0</b>	<b>1700</b>	<b>120</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.80 U	2.90 U	2.80 U	3.20 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.80 U	2.90 U	2.80 U	3.20 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	1.40 U	1.60 U

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

	Locations: 31VP-19-04	31VP-19-04	31VP-19-04	31VP-19-04	31VP-19-04
Field Sample ID:	31VP-19-04-109-113	31VP-19-04-119-123	31VP-19-04-128-132	31VP-19-04-69-73	31VP-19-04-79-83
Sample Begin Depth:	109.00	119.00	128.00	69.00	79.00
Sample End Depth:	113.00	123.00	132.00	73.00	83.00
Sample Date:	08/06/2019	08/07/2019	08/08/2019	08/05/2019	08/05/2019
<b>PFAS (ng/L)</b>					
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)	9.10 U	9.20 U	9.30 U	9.20 U	9.20 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.10 U	9.20 U	9.30 U	9.20 U	9.20 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.10 U	9.20 U	9.30 U	9.20 U	9.20 U
Perfluorobutanesulfonic acid (PFBS)	<b>24.0</b>	<b>23.0</b>	<b>19.0</b>	<b>13.0</b>	<b>0.510 J</b>
Perfluorodecanoic acid (PFDA)	0.910 U	0.920 U	0.930 U	0.920 U	0.920 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>240</b>	<b>120</b>	<b>93.0</b>	<b>130</b>	<b>2.30</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>2600</b>	<b>1300</b>	<b>770</b>	<b>650</b>	<b>6.20</b>
Perfluorohexanoic acid (PFHxA)	<b>640</b>	<b>330</b>	<b>240</b>	<b>110</b>	<b>3.90</b>
Perfluorononanoic acid (PFNA)	1.40 U	1.40 U	<b>0.700 J</b>	<b>0.920 J</b>	1.40 U
Perfluorooctanesulfonic acid (PFOS)	2.70 U	<b>66.0</b>	<b>65.0</b>	<b>40.0</b>	<b>1.20 J</b>
Perfluorooctanoic acid (PFOA)	<b>540</b>	<b>320</b>	<b>220</b>	<b>100</b>	<b>1.80</b>
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.70 U	2.80 U	2.80 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.70 U	2.70 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

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

	Locations: 31VP-19-04	31VP-19-04	31VP-19-04 (FD)	31VP-19-05	31VP-19-05
Field Sample ID:	31VP-19-04-89-93	31VP-19-04-99-103	A3-VP-DUP-R2-080619	31VP-19-05-14-18	31VP-19-05-24-28
Sample Begin Depth:	89.00	99.00	109.00	14.00	24.00
Sample End Depth:	93.00	103.00	113.00	18.00	28.00
Sample Date:	08/05/2019	08/06/2019	08/06/2019	09/05/2019	09/05/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	18.0 U	20.0 U	20.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.10 U	9.20 U	9.80 U	9.80 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.10 U	9.20 U	9.80 U	9.80 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.10 U	9.20 U	9.80 U	9.80 U
Perfluorobutanesulfonic acid (PFBS)	<b>0.550 J</b>	<b>13.0</b>	<b>24.0</b>	0.980 U	0.980 U
Perfluorodecanoic acid (PFDA)	0.920 U	0.910 U	0.920 U	0.980 U	0.980 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.50 U	1.50 U
Perfluoroheptanoic acid (PFHpA)	<b>1.00 J</b>	<b>97.0</b>	<b>210</b>	1.50 U	1.50 U
Perfluorohexanesulfonic acid (PFHxS)	<b>20.0</b>	<b>1500</b>	<b>2200</b>	<b>4.00</b>	2.00 U
Perfluorohexanoic acid (PFHxA)	<b>5.90</b>	<b>310</b>	<b>560</b>	0.980 U	0.980 U
Perfluorononanoic acid (PFNA)	1.40 U	1.40 U	1.40 U	1.50 U	1.50 U
Perfluorooctanesulfonic acid (PFOS)	2.80 U	2.70 U	<b>16.0</b>	<b>3.10 J</b>	<b>2.70 J</b>
Perfluorooctanoic acid (PFOA)	<b>4.90</b>	<b>570</b>	<b>460</b>	1.50 U	1.50 U
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.70 U	2.80 U	2.90 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.70 U	2.80 U	2.90 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	1.50 U	1.50 U

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

	Locations: 31VP-19-05	31VP-19-05	31VP-19-06	31VP-19-06	31VP-19-06
<b>Field Sample ID:</b>	31VP-19-05-33.5-37.5	31VP-19-05-4-8	31VP-19-06-13-17	31VP-19-06-23-27	31VP-19-06-33-37
<b>Sample Begin Depth:</b>	33.50	4.00	13.00	23.00	33.00
<b>Sample End Depth:</b>	37.50	8.00	17.00	27.00	37.00
<b>Sample Date:</b>	09/05/2019	09/04/2019	09/24/2019	09/24/2019	09/24/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	20.0 U	19.0 U	<b>44.0</b>	<b>38.0</b>	<b>32.0 J</b>
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.80 U	9.60 U	<b>7.90 J</b>	9.20 U	9.30 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.80 U	9.60 U	9.20 U	9.20 U	9.30 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.80 U	9.60 U	9.20 U	9.20 U	9.30 U
Perfluorobutanesulfonic acid (PFBS)	0.980 U	<b>1.80 J</b>	<b>19.0</b>	<b>37.0</b>	<b>36.0</b>
Perfluorodecanoic acid (PFDA)	0.980 U	0.960 U	0.920 U	0.920 U	0.930 U
Perfluorododecanoic acid (PFDoA)	1.50 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	1.50 U	<b>0.940 J</b>	<b>39.0</b>	<b>68.0</b>	<b>58.0</b>
Perfluorohexanesulfonic acid (PFHxS)	2.00 U	<b>3.70</b>	<b>600</b>	<b>960</b>	<b>840</b>
Perfluorohexanoic acid (PFHxA)	<b>0.500 J</b>	<b>1.80 J</b>	<b>250</b>	<b>530</b>	<b>490</b>
Perfluorononanoic acid (PFNA)	1.50 U	1.40 U	<b>0.660 J</b>	1.40 U	1.40 U
Perfluorooctanesulfonic acid (PFOS)	<b>2.90 J</b>	<b>2.10 J</b>	<b>290</b>	<b>110</b>	<b>97.0</b>
Perfluorooctanoic acid (PFOA)	<b>1.20 J</b>	<b>2.70</b>	<b>540</b>	<b>1100</b>	<b>950</b>
Perfluorotetradecanoic acid (PFTA)	3.00 U	2.90 U	2.80 U	2.80 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	3.00 U	2.90 U	2.80 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

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

	Locations: 31VP-19-06	31VP-19-06	31VP-19-06	31VP-19-06	31VP-19-06
<b>Field Sample ID:</b>	31VP-19-06-43-47	31VP-19-06-53-57	31VP-19-06-63-67	31VP-19-06-73-77	31VP-19-06-83-87
<b>Sample Begin Depth:</b>	43.00	53.00	63.00	73.00	83.00
<b>Sample End Depth:</b>	47.00	57.00	67.00	77.00	87.00
<b>Sample Date:</b>	09/24/2019	09/25/2019	09/25/2019	09/25/2019	09/26/2019
<b>PFAS (ng/L)</b>					
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)	9.10 U	9.20 U	9.30 U	9.10 U	9.20 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.10 U	9.20 U	9.30 U	9.10 U	9.20 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.10 U	9.20 U	9.30 U	9.10 U	9.20 U
Perfluorobutanesulfonic acid (PFBS)	<b>2.70</b>	0.920 U	<b>6.70</b>	<b>3.60</b>	<b>3.70</b>
Perfluorodecanoic acid (PFDA)	0.910 U	0.920 U	0.930 U	0.910 U	0.920 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>5.40</b>	1.40 U	<b>11.0</b>	<b>6.50</b>	<b>8.30</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>85.0</b>	<b>14.0</b>	<b>150</b>	<b>100</b>	<b>110</b>
Perfluorohexanoic acid (PFHxA)	<b>35.0</b>	<b>2.60</b>	<b>83.0</b>	<b>48.0</b>	<b>53.0</b>
Perfluorononanoic acid (PFNA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluorooctanesulfonic acid (PFOS)	<b>38.0</b>	<b>18.0</b>	<b>34.0</b>	<b>36.0</b>	<b>50.0</b>
Perfluorooctanoic acid (PFOA)	<b>76.0</b>	<b>5.50</b>	<b>140</b>	<b>81.0</b>	<b>93.0</b>
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.80 U	2.80 U	2.70 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.70 U	2.80 U	2.80 U	2.70 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: 31VP-19-06 (FD)	31VP-19-07	31VP-19-07	31VP-19-07	31VP-19-07
<b>Field Sample ID:</b>	A3-VP-DUP-R1-92419	31VP-19-07-18-22	31VP-19-07-28-32	31VP-19-07-38-42	31VP-19-07-48-52
<b>Sample Begin Depth:</b>	13.00	18.00	28.00	38.00	48.00
<b>Sample End Depth:</b>	17.00	22.00	32.00	42.00	52.00
<b>Sample Date:</b>	09/24/2019	09/27/2019	09/27/2019	09/27/2019	09/30/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	<b>45.0</b>	<b>95.0</b>	<b>210</b>	<b>47.0</b>	<b>26.0 J</b>
8:2 Fluorotelomer sulfonate (8:2 FTS)	<b>7.60 J</b>	<b>23.0</b>	<b>40.0</b>	9.30 U	9.30 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.10 U	9.20 U	9.10 U	9.30 U	9.30 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.10 U	9.20 U	9.10 U	9.30 U	9.30 U
Perfluorobutanesulfonic acid (PFBS)	<b>20.0</b>	<b>1.60 J</b>	<b>7.40</b>	<b>18.0</b>	<b>12.0</b>
Perfluorodecanoic acid (PFDA)	0.910 U	0.920 U	0.910 U	0.930 U	0.930 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>38.0</b>	<b>9.00</b>	<b>28.0</b>	<b>42.0</b>	<b>28.0</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>590</b>	<b>200</b>	<b>510</b>	<b>590</b>	<b>400</b>
Perfluorohexanoic acid (PFHxA)	<b>250</b>	<b>20.0</b>	<b>79.0</b>	<b>260</b>	<b>190</b>
Perfluorononanoic acid (PFNA)	<b>0.750 J</b>	<b>1.70 J</b>	<b>2.80</b>	<b>0.740 J</b>	<b>1.10 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>310</b>	<b>930</b>	<b>1700</b>	<b>86.0</b>	<b>62.0</b>
Perfluorooctanoic acid (PFOA)	<b>560</b>	<b>65.0</b>	<b>170</b>	<b>560</b>	<b>330</b>
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.80 U	2.70 U	2.80 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.70 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



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

	Locations: 31VP-19-07	31VP-19-07	31VP-19-07	31VP-19-07	31VP-19-07
<b>Field Sample ID:</b>	31VP-19-07-58-62	31VP-19-07-68-72	31VP-19-07-78-82	31VP-19-07-8-12	31VP-19-07-88-92
<b>Sample Begin Depth:</b>	58.00	68.00	78.00	8.00	88.00
<b>Sample End Depth:</b>	62.00	72.00	82.00	12.00	92.00
<b>Sample Date:</b>	09/30/2019	09/30/2019	10/01/2019	09/26/2019	10/01/2019
<b>PFAS (ng/L)</b>					
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)	9.30 U	9.30 U	9.00 U	9.40 U	9.40 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<b>2.80 J</b>	<b>2.90 J</b>	9.00 U	9.40 U	9.40 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.30 U	9.30 U	9.00 U	9.40 U	9.40 U
Perfluorobutanesulfonic acid (PFBS)	<b>4.50</b>	<b>4.60</b>	<b>4.10</b>	<b>1.20 J</b>	<b>5.10</b>
Perfluorodecanoic acid (PFDA)	<b>2.40</b>	<b>2.80</b>	<b>2.60</b>	0.940 U	<b>6.90</b>
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.30 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>13.0</b>	<b>14.0</b>	<b>11.0</b>	1.40 U	<b>13.0</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>23.0</b>	<b>30.0</b>	<b>41.0</b>	1.90 U	<b>43.0</b>
Perfluorohexanoic acid (PFHxA)	<b>21.0</b>	<b>22.0</b>	<b>23.0</b>	<b>1.40 J</b>	<b>26.0</b>
Perfluorononanoic acid (PFNA)	<b>6.60</b>	<b>6.50</b>	<b>7.50</b>	1.40 U	<b>9.90</b>
Perfluorooctanesulfonic acid (PFOS)	<b>76.0</b>	<b>75.0</b>	<b>100</b>	2.80 U	<b>110</b>
Perfluorooctanoic acid (PFOA)	<b>34.0</b>	<b>39.0</b>	<b>41.0</b>	<b>2.70</b>	<b>50.0</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	1.30 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: 31VP-19-07 (FD)	31VP-19-08	31VP-19-08	31VP-19-08	31VP-19-08
<b>Field Sample ID:</b>	A3-VP-DUP-R1-10119	31VP-19-08-13-17	31VP-19-08-23-27	31VP-19-08-33-37	31VP-19-08-43-47
<b>Sample Begin Depth:</b>	78.00	13.00	23.00	33.00	43.00
<b>Sample End Depth:</b>	82.00	17.00	27.00	37.00	47.00
<b>Sample Date:</b>	10/01/2019	10/02/2019	10/02/2019	10/02/2019	10/03/2019
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	<b>41.0</b>	19.0 U	19.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.60 U	9.30 U	9.60 U	9.30 U	9.40 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.60 U	9.30 U	9.60 U	9.30 U	<b>2.80 J</b>
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.60 U	9.30 U	9.60 U	9.30 U	9.40 U
Perfluorobutanesulfonic acid (PFBS)	<b>3.90</b>	<b>16.0</b>	<b>5.20</b>	<b>5.50</b>	<b>5.00</b>
Perfluorodecanoic acid (PFDA)	<b>2.20</b>	<b>0.900 J</b>	<b>1.70 J</b>	<b>2.40</b>	<b>2.40</b>
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>11.0</b>	<b>27.0</b>	<b>8.80</b>	<b>13.0</b>	<b>12.0</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>41.0</b>	<b>270</b>	<b>64.0</b>	<b>35.0</b>	<b>35.0</b>
Perfluorohexanoic acid (PFHxA)	<b>23.0</b>	<b>150</b>	<b>21.0</b>	<b>22.0</b>	<b>21.0</b>
Perfluorononanoic acid (PFNA)	<b>7.80</b>	<b>1.70 J</b>	<b>3.30</b>	<b>6.50</b>	<b>5.50</b>
Perfluorooctanesulfonic acid (PFOS)	<b>99.0</b>	<b>89.0</b>	<b>49.0</b>	<b>67.0</b>	<b>65.0</b>
Perfluorooctanoic acid (PFOA)	<b>41.0</b>	<b>260</b>	<b>42.0</b>	<b>39.0</b>	<b>39.0</b>
Perfluorotetradecanoic acid (PFTA)	2.90 U	2.80 U	2.90 U	2.80 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.90 U	2.80 U	2.90 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

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

	Locations: 31VP-19-08	31VP-19-08	31VP-19-08	31VP-19-08
<b>Field Sample ID:</b>	31VP-19-08-53-57	31VP-19-08-63-67	31VP-19-08-73-77	31VP-19-08-83-87
<b>Sample Begin Depth:</b>	53.00	63.00	73.00	83.00
<b>Sample End Depth:</b>	57.00	67.00	77.00	87.00
<b>Sample Date:</b>	10/03/2019	10/03/2019	10/04/2019	10/04/2019
<b>PFAS (ng/L)</b>				
6:2 Fluorotelomer sulfonate (6:2 FTS)	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	9.30 U	9.30 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<b>3.80 J</b>	<b>4.40 J</b>	<b>4.30 J</b>	<b>3.60 J</b>
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.20 U	9.30 U	9.30 U
Perfluorobutanesulfonic acid (PFBS)	<b>5.70</b>	<b>7.10</b>	<b>4.90</b>	<b>5.20</b>
Perfluorodecanoic acid (PFDA)	<b>2.50</b>	<b>2.80</b>	<b>3.20</b>	<b>3.20</b>
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	<b>14.0</b>	<b>16.0</b>	<b>16.0</b>	<b>16.0</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>27.0</b>	<b>21.0</b>	<b>20.0</b>	<b>24.0</b>
Perfluorohexanoic acid (PFHxA)	<b>23.0</b>	<b>23.0</b>	<b>23.0</b>	<b>23.0</b>
Perfluorononanoic acid (PFNA)	<b>6.50</b>	<b>7.60</b>	<b>7.90</b>	<b>7.10</b>
Perfluorooctanesulfonic acid (PFOS)	<b>77.0</b>	<b>85.0</b>	<b>83.0</b>	<b>88.0</b>
Perfluorooctanoic acid (PFOA)	<b>39.0</b>	<b>40.0</b>	<b>42.0</b>	<b>40.0</b>
Perfluorotetradecanoic acid (PFTA)	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
Perfluoroundecanoic acid (PFUnA)	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

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