

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

KOMAN, PFAS RI, Surface Water/Sediment-AOC40

AOC 40, Cold Spring Brook Landfill

Locations:	CP-20-01	CP-20-01	CP-20-01 (FD)	CP-20-01 (FD)	CP-20-02
Field Sample ID:	CP-20-01-SED-MAR20	CP-20-01-SW-MAR20	CP-SED-DUP01	CP-SW-DUP01	CP-20-02-SED-MAR20
Sample Begin Depth:	0.00	0.00	0.00	0.00	0.00
Sample End Depth:	0.50	0.00	0.50	0.00	0.50
Sample Date:	03/27/2020	03/27/2020	03/27/2020	03/27/2020	03/27/2020

Gen. Chemistry (mg/kg)

Total Organic Carbon	130000 J	-	90000 J	-	16000
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PFAS (ng/L)

6:2 Fluorotelomer sulfonate (6:2 FTS)	-	17.0 U	-	16.0 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	8.30 U	-	8.00 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	8.30 U	-	8.00 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	8.30 U	-	8.00 U	-
Perfluorobutanesulfonic acid (PFBS)	-	2.60	-	2.60	-
Perfluorodecanoic acid (PFDA)	-	0.950 J	-	0.780 J	-
Perfluorododecanoic acid (PFDoA)	-	1.30 U	-	1.20 U	-
Perfluoroheptanoic acid (PFHpA)	-	24.0	-	25.0	-
Perfluorohexanesulfonic acid (PFHxS)	-	4.40	-	4.40	-
Perfluorohexanoic acid (PFHxA)	-	26.0	-	26.0	-
Perfluorononanoic acid (PFNA)	-	1.30 J	-	1.20 J	-
Perfluorooctanesulfonic acid (PFOS)	-	7.40	-	7.70	-
Perfluorooctanoic acid (PFOA)	-	60.0	-	54.0	-
Perfluorotetradecanoic acid (PFTA)	-	2.50 U	-	2.40 U	-
Perfluorotridecanoic acid (PFTrDA)	-	2.50 U	-	2.40 U	-
Perfluoroundecanoic acid (PFUnA)	-	1.30 U	-	1.20 U	-

PFAS (ug/kg)

6:2 Fluorotelomer sulfonate (6:2 FTS)	5.00 U	-	5.20 U	-	2.60 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	2.50 U	-	2.60 U	-	1.30 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50 U	-	2.60 U	-	1.30 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50 U	-	2.60 U	-	1.30 U
Perfluorobutanesulfonic acid (PFBS)	0.450 U	-	0.470 U	-	0.230 U
Perfluorodecanoic acid (PFDA)	0.500 U	-	0.520 U	-	0.260 U
Perfluorododecanoic acid (PFDoA)	0.500 U	-	0.520 U	-	0.260 U

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	Locations: CP-20-02	CP-20-03	CP-20-03	CSB-20-01	CSB-20-01
	Field Sample ID: CP-20-02-SW-MAR20	CP-20-03-SED-MAR20	CP-20-03-SW-MAR20	CSB-20-01-SED-MAR20	CSB-20-01-SW-MAR20
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.00	0.50	0.00	0.50	0.00
	Sample Date: 03/27/2020	03/30/2020	03/30/2020	03/27/2020	03/27/2020
<b>Gen. Chemistry (mg/kg)</b>					
Total Organic Carbon	-	<b>27000</b>	-	<b>75000</b>	-
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	16.0 U	-	16.0 U	-	16.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	8.00 U	-	8.10 U	-	8.00 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.00 U	-	8.10 U	-	8.00 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.00 U	-	8.10 U	-	8.00 U
Perfluorobutanesulfonic acid (PFBS)	<b>2.20</b>	-	<b>1.80</b>	-	<b>3.20</b>
Perfluorodecanoic acid (PFDA)	<b>0.670 J</b>	-	0.810 U	-	0.800 U
Perfluorododecanoic acid (PFDoA)	1.20 U	-	1.20 U	-	1.20 U
Perfluoroheptanoic acid (PFHpA)	<b>30.0</b>	-	<b>24.0</b>	-	<b>3.40</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>4.40</b>	-	<b>3.70</b>	-	<b>2.20</b>
Perfluorohexanoic acid (PFHxA)	<b>29.0</b>	-	<b>24.0</b>	-	<b>8.00</b>
Perfluorononanoic acid (PFNA)	<b>1.40 J</b>	-	<b>1.30 J</b>	-	1.20 U
Perfluorooctanesulfonic acid (PFOS)	<b>5.50</b>	-	<b>5.70</b>	-	<b>2.20 J</b>
Perfluorooctanoic acid (PFOA)	<b>67.0</b>	-	<b>57.0</b>	-	<b>8.60</b>
Perfluorotetradecanoic acid (PFTA)	2.40 U	-	2.40 U	-	2.40 U
Perfluorotridecanoic acid (PFTrDA)	2.40 U	-	2.40 U	-	2.40 U
Perfluoroundecanoic acid (PFUnA)	1.20 U	-	1.20 U	-	1.20 U
<b>PFAS (ug/kg)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	3.00 U	-	4.10 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	1.50 U	-	2.00 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1.50 U	-	2.00 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1.50 U	-	2.00 U	-
Perfluorobutanesulfonic acid (PFBS)	-	0.270 U	-	0.370 U	-
Perfluorodecanoic acid (PFDA)	-	0.300 U	-	0.410 U	-
Perfluorododecanoic acid (PFDoA)	-	0.300 U	-	0.410 U	-

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	<b>Locations:</b> CP-20-01	CP-20-01	CP-20-01 (FD)	CP-20-01 (FD)	CP-20-02
	<b>Field Sample ID:</b> CP-20-01-SED-MAR20	CP-20-01-SW-MAR20	CP-SED-DUP01	CP-SW-DUP01	CP-20-02-SED-MAR20
	<b>Sample Begin Depth:</b> 0.00	0.00	0.00	0.00	0.00
	<b>Sample End Depth:</b> 0.50	0.00	0.50	0.00	0.50
	<b>Sample Date:</b> 03/27/2020	03/27/2020	03/27/2020	03/27/2020	03/27/2020
Perfluoroheptanoic acid (PFHpA)	0.500 U	-	0.520 U	-	0.260 U
Perfluorohexanesulfonic acid (PFHxS)	0.750 U	-	0.780 U	-	0.390 U
Perfluorohexanoic acid (PFHxA)	0.500 U	-	0.520 U	-	0.260 U
Perfluorononanoic acid (PFNA)	0.500 U	-	0.520 U	-	0.260 U
Perfluorooctanesulfonic acid (PFOS)	<b>1.00 J</b>	-	<b>0.910 J</b>	-	<b>0.340 J</b>
Perfluorooctanoic acid (PFOA)	<b>0.400 J</b>	-	<b>0.310 J</b>	-	<b>0.250 J</b>
Perfluorotetradecanoic acid (PFTA)	0.750 U	-	0.780 U	-	0.390 U
Perfluorotridecanoic acid (PFTrDA)	0.500 U	-	0.520 U	-	0.260 U
Perfluoroundecanoic acid (PFUnA)	0.500 U	-	0.520 U	-	0.260 U

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	Locations: CP-20-02	CP-20-03	CP-20-03	CSB-20-01	CSB-20-01
	Field Sample ID: CP-20-02-SW-MAR20	CP-20-03-SED-MAR20	CP-20-03-SW-MAR20	CSB-20-01-SED-MAR20	CSB-20-01-SW-MAR20
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.00	0.50	0.00	0.50	0.00
	Sample Date: 03/27/2020	03/30/2020	03/30/2020	03/27/2020	03/27/2020
Perfluoroheptanoic acid (PFHpA)	-	0.300 U	-	0.410 U	-
Perfluorohexanesulfonic acid (PFHxS)	-	0.300 U	-	0.610 U	-
Perfluorohexanoic acid (PFHxA)	-	<b>0.120 J</b>	-	0.410 U	-
Perfluorononanoic acid (PFNA)	-	0.300 U	-	0.410 U	-
Perfluorooctanesulfonic acid (PFOS)	-	0.740 U	-	1.00 U	-
Perfluorooctanoic acid (PFOA)	-	<b>0.230 J</b>	-	<b>0.270 J</b>	-
Perfluorotetradecanoic acid (PFTA)	-	0.450 U	-	0.610 U	-
Perfluorotridecanoic acid (PFTrDA)	-	0.300 U	-	0.410 U	-
Perfluoroundecanoic acid (PFUnA)	-	0.300 U	-	0.410 U	-

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KOMAN, PFAS RI, Surface Water/Sediment-Area2

Detention Pond

Locations:	DP-18-01	DP-18-01
Field Sample ID:	DP-SED-18-01-DEC18	DP-SW-18-01-DEC18
Sample Begin Depth:	0.00	0.00
Sample End Depth:	0.25	0.00
Sample Date:	12/05/2018	12/05/2018

<b>Gen. Chemistry (mg/kg)</b>		
Total Organic Carbon	<b>38000</b>	-

<b>PFAS (ng/L)</b>		
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	8.80 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	8.80 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	8.80 U
Perfluorobutanesulfonic acid (PFBS)	-	0.880 U
Perfluorodecanoic acid (PFDA)	-	0.880 U
Perfluorododecanoic acid (PFDoA)	-	1.30 U
Perfluoroheptanoic acid (PFHpA)	-	<b>0.850 J</b>
Perfluorohexanesulfonic acid (PFHxS)	-	<b>0.370 J</b>
Perfluorohexanoic acid (PFHxA)	-	<b>0.960 J</b>
Perfluorononanoic acid (PFNA)	-	<b>0.580 J</b>
Perfluorooctanesulfonic acid (PFOS)	-	2.60 U
Perfluorooctanoic acid (PFOA)	-	<b>1.10 J</b>
Perfluorotetradecanoic acid (PFTA)	-	2.60 U
Perfluorotridecanoic acid (PFTrDA)	-	2.60 U
Perfluoroundecanoic acid (PFUnA)	-	1.30 U

<b>PFAS (ug/kg)</b>		
6:2 Fluorotelomer sulfonate (6:2 FTS)	4.70 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	2.30 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<b>2.30 J</b>	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<b>1.10 J</b>	-
Perfluorobutanesulfonic acid (PFBS)	0.420 U	-
Perfluorodecanoic acid (PFDA)	<b>0.220 J</b>	-
Perfluorododecanoic acid (PFDoA)	<b>0.680 J</b>	-

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<b>Locations:</b>	DP-18-01	DP-18-01
<b>Field Sample ID:</b>	DP-SED-18-01-DEC18	DP-SW-18-01-DEC18
<b>Sample Begin Depth:</b>	0.00	0.00
<b>Sample End Depth:</b>	0.25	0.00
<b>Sample Date:</b>	12/05/2018	12/05/2018
Perfluoroheptanoic acid (PFHpA)	0.470 U	-
Perfluorohexanesulfonic acid (PFHxS)	<b>0.230 J</b>	-
Perfluorohexanoic acid (PFHxA)	0.470 U	-
Perfluorononanoic acid (PFNA)	<b>0.730</b>	-
Perfluorooctanesulfonic acid (PFOS)	1.20 U	-
Perfluorooctanoic acid (PFOA)	0.470 U	-
Perfluorotetradecanoic acid (PFTA)	<b>0.580 J</b>	-
Perfluorotridecanoic acid (PFTrDA)	<b>0.870</b>	-
Perfluoroundecanoic acid (PFUnA)	<b>0.920</b>	-

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KOMAN, PFAS RI, Surface Water/Sediment-Area2

Nonacoicus Brook

<b>Locations:</b> NB-18-01	NB-18-01	NB-18-02	NB-18-02	NB-18-03
<b>Field Sample ID:</b> NB-SED-18-01-DEC18	NB-SW-18-01-DEC18	NB-SED-18-02-DEC18	NB-SW-18-02-DEC18	NB-SED-18-03-DEC18
<b>Sample Begin Depth:</b> 0.00	0.00	0.00	0.00	0.00
<b>Sample End Depth:</b> 0.50	0.00	0.50	0.00	0.25
<b>Sample Date:</b> 12/11/2018	12/11/2018	12/11/2018	12/11/2018	12/06/2018

**Gen. Chemistry (mg/kg)**

Total Organic Carbon	<b>2000</b>	-	<b>21000</b>	-	<b>77000</b>
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**PFAS (ng/L)**

6:2 Fluorotelomer sulfonate (6:2 FTS)	-	17.0 U	-	17.0 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	8.60 U	-	8.50 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	8.60 U	-	8.50 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	8.60 U	-	8.50 U	-
Perfluorobutanesulfonic acid (PFBS)	-	<b>1.20 J</b>	-	<b>1.30 J</b>	-
Perfluorodecanoic acid (PFDA)	-	<b>0.440 J</b>	-	0.850 U	-
Perfluorododecanoic acid (PFDoA)	-	1.30 U	-	1.30 U	-
Perfluoroheptanoic acid (PFHpA)	-	<b>3.90</b>	-	<b>4.20</b>	-
Perfluorohexanesulfonic acid (PFHxS)	-	<b>3.00</b>	-	<b>3.40</b>	-
Perfluorohexanoic acid (PFHxA)	-	<b>4.90</b>	-	<b>4.80</b>	-
Perfluorononanoic acid (PFNA)	-	<b>1.00 J</b>	-	<b>0.850 J</b>	-
Perfluorooctanesulfonic acid (PFOS)	-	<b>4.10</b>	-	<b>4.80</b>	-
Perfluorooctanoic acid (PFOA)	-	<b>8.30</b>	-	<b>8.10</b>	-
Perfluorotetradecanoic acid (PFTA)	-	2.60 U	-	2.50 U	-
Perfluorotridecanoic acid (PFTrDA)	-	2.60 U	-	2.50 U	-
Perfluoroundecanoic acid (PFUnA)	-	1.30 U	-	1.30 U	-

**PFAS (ug/kg)**

6:2 Fluorotelomer sulfonate (6:2 FTS)	2.50 U	-	3.50 U	-	5.00 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	1.20 U	-	1.70 U	-	2.50 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.20 U	-	1.70 U	-	2.50 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.20 U	-	1.70 U	-	2.50 U
Perfluorobutanesulfonic acid (PFBS)	0.220 U	-	0.310 U	-	0.450 U
Perfluorodecanoic acid (PFDA)	0.250 U	-	0.350 U	-	0.500 U
Perfluorododecanoic acid (PFDoA)	0.250 U	-	0.350 U	-	0.500 U

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	Locations: NB-18-03	NB-18-04	NB-18-04	NB-18-05	NB-18-05
	Field Sample ID: NB-SW-18-03-DEC18	NB-SED-18-04-DEC18	NB-SW-18-04-DEC18	NB-SED-18-05-DEC18	NB-SW-18-05-DEC18
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.00	0.25	0.00	0.25	0.00
	Sample Date: 12/06/2018	12/06/2018	12/06/2018	12/06/2018	12/06/2018
<b>Gen. Chemistry (mg/kg)</b>					
Total Organic Carbon	-	<b>110000</b>	-	<b>84000</b>	-
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	17.0 U	-	18.0 U	-	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	8.60 U	-	8.80 U	-	8.90 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.60 U	-	8.80 U	-	8.90 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.60 U	-	8.80 U	-	8.90 U
Perfluorobutanesulfonic acid (PFBS)	<b>1.30 J</b>	-	<b>1.20 J</b>	-	<b>2.10</b>
Perfluorodecanoic acid (PFDA)	0.860 U	-	0.880 U	-	0.890 U
Perfluorododecanoic acid (PFDoA)	1.30 U	-	1.30 U	-	1.30 U
Perfluoroheptanoic acid (PFHpA)	<b>4.00</b>	-	<b>3.20</b>	-	<b>6.40</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>3.10</b>	-	<b>2.80</b>	-	<b>16.0</b>
Perfluorohexanoic acid (PFHxA)	<b>5.00</b>	-	<b>4.10</b>	-	<b>9.40</b>
Perfluorononanoic acid (PFNA)	<b>0.970 J</b>	-	<b>0.740 J</b>	-	<b>1.30 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>4.90 J</b>	-	<b>3.70</b>	-	<b>17.0</b>
Perfluorooctanoic acid (PFOA)	<b>8.80</b>	-	<b>7.40</b>	-	<b>12.0</b>
Perfluorotetradecanoic acid (PFTA)	2.60 U	-	2.70 U	-	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.60 U	-	2.70 U	-	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.30 U	-	1.30 U	-	1.30 U
<b>PFAS (ug/kg)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	4.40 U	-	4.00 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	2.20 U	-	2.00 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	2.20 U	-	2.00 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	2.20 U	-	2.00 U	-
Perfluorobutanesulfonic acid (PFBS)	-	0.390 U	-	0.360 U	-
Perfluorodecanoic acid (PFDA)	-	0.440 U	-	<b>0.220 J</b>	-
Perfluorododecanoic acid (PFDoA)	-	0.440 U	-	0.400 U	-



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<b>Locations:</b> NB-18-06	NB-18-06	NB-18-07	NB-18-07
<b>Field Sample ID:</b> NB-SED-18-06-DEC18	NB-SW-18-06-DEC18	NB-SED-18-07-DEC18	NB-SW-18-07-DEC18
<b>Sample Begin Depth:</b> 0.00	0.00	0.00	0.00
<b>Sample End Depth:</b> 0.25	0.00	0.25	0.00
<b>Sample Date:</b> 12/11/2018	12/11/2018	12/11/2018	12/11/2018

<b>Gen. Chemistry (mg/kg)</b>			
Total Organic Carbon	<b>7100</b>	-	<b>150000</b>
			-

<b>PFAS (ng/L)</b>			
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	17.0 U	-
			17.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	8.60 U	-
			8.50 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	8.60 U	-
			8.50 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	8.60 U	-
			8.50 U
Perfluorobutanesulfonic acid (PFBS)	-	<b>1.30 J</b>	-
			<b>3.20</b>
Perfluorodecanoic acid (PFDA)	-	0.860 U	-
			0.850 U
Perfluorododecanoic acid (PFDoA)	-	1.30 U	-
			1.30 U
Perfluoroheptanoic acid (PFHpA)	-	<b>3.90</b>	-
			<b>2.00</b>
Perfluorohexanesulfonic acid (PFHxS)	-	<b>2.80</b>	-
			<b>5.90</b>
Perfluorohexanoic acid (PFHxA)	-	<b>4.70</b>	-
			<b>2.90</b>
Perfluorononanoic acid (PFNA)	-	<b>0.870 J</b>	-
			1.30 U
Perfluorooctanesulfonic acid (PFOS)	-	<b>3.00 J</b>	-
			<b>3.60</b>
Perfluorooctanoic acid (PFOA)	-	<b>9.30</b>	-
			<b>6.40</b>
Perfluorotetradecanoic acid (PFTA)	-	2.60 U	-
			2.60 U
Perfluorotridecanoic acid (PFTTrDA)	-	2.60 U	-
			2.60 U
Perfluoroundecanoic acid (PFUnA)	-	1.30 U	-
			1.30 U

<b>PFAS (ug/kg)</b>			
6:2 Fluorotelomer sulfonate (6:2 FTS)	2.80 U	-	6.20 U
			-
8:2 Fluorotelomer sulfonate (8:2 FTS)	1.40 U	-	3.10 U
			-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.40 U	-	3.10 U
			-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.40 U	-	3.10 U
			-
Perfluorobutanesulfonic acid (PFBS)	0.250 U	-	0.560 U
			-
Perfluorodecanoic acid (PFDA)	0.280 U	-	0.620 U
			-
Perfluorododecanoic acid (PFDoA)	0.280 U	-	0.620 U
			-

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	Locations: NB-18-01	NB-18-01	NB-18-02	NB-18-02	NB-18-03
	Field Sample ID: NB-SED-18-01-DEC18	NB-SW-18-01-DEC18	NB-SED-18-02-DEC18	NB-SW-18-02-DEC18	NB-SED-18-03-DEC18
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.50	0.00	0.50	0.00	0.25
	Sample Date: 12/11/2018	12/11/2018	12/11/2018	12/11/2018	12/06/2018
Perfluoroheptanoic acid (PFHpA)	0.250 U	-	0.350 U	-	0.500 U
Perfluorohexanesulfonic acid (PFHxS)	0.250 U	-	0.350 U	-	0.750 U
Perfluorohexanoic acid (PFHxA)	0.250 U	-	0.350 U	-	0.500 U
Perfluorononanoic acid (PFNA)	0.250 U	-	0.350 U	-	0.500 U
Perfluorooctanesulfonic acid (PFOS)	0.620 U	-	<b>0.550 J</b>	-	<b>4.00 J</b>
Perfluorooctanoic acid (PFOA)	0.250 U	-	0.350 U	-	0.500 U
Perfluorotetradecanoic acid (PFTA)	0.370 U	-	0.520 U	-	0.750 U
Perfluorotridecanoic acid (PFTrDA)	0.250 U	-	0.350 U	-	0.500 U
Perfluoroundecanoic acid (PFUnA)	0.250 U	-	0.350 U	-	0.500 U

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

	Locations: NB-18-03	NB-18-04	NB-18-04	NB-18-05	NB-18-05
	Field Sample ID: NB-SW-18-03-DEC18	NB-SED-18-04-DEC18	NB-SW-18-04-DEC18	NB-SED-18-05-DEC18	NB-SW-18-05-DEC18
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.00	0.25	0.00	0.25	0.00
	Sample Date: 12/06/2018	12/06/2018	12/06/2018	12/06/2018	12/06/2018
Perfluoroheptanoic acid (PFHpA)	-	0.440 U	-	<b>0.300 J</b>	-
Perfluorohexanesulfonic acid (PFHxS)	-	0.440 U	-	<b>2.00</b>	-
Perfluorohexanoic acid (PFHxA)	-	0.440 U	-	<b>0.360 J</b>	-
Perfluorononanoic acid (PFNA)	-	0.440 U	-	<b>0.350 J</b>	-
Perfluorooctanesulfonic acid (PFOS)	-	<b>0.710 J</b>	-	<b>6.40</b>	-
Perfluorooctanoic acid (PFOA)	-	0.440 U	-	<b>0.930</b>	-
Perfluorotetradecanoic acid (PFTA)	-	0.660 U	-	0.600 U	-
Perfluorotridecanoic acid (PFTrDA)	-	0.440 U	-	0.400 U	-
Perfluoroundecanoic acid (PFUnA)	-	0.440 U	-	0.400 U	-

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

	<b>Locations:</b> NB-18-06	NB-18-06	NB-18-07	NB-18-07
	<b>Field Sample ID:</b> NB-SED-18-06-DEC18	NB-SW-18-06-DEC18	NB-SED-18-07-DEC18	NB-SW-18-07-DEC18
	<b>Sample Begin Depth:</b> 0.00	0.00	0.00	0.00
	<b>Sample End Depth:</b> 0.25	0.00	0.25	0.00
	<b>Sample Date:</b> 12/11/2018	12/11/2018	12/11/2018	12/11/2018
Perfluoroheptanoic acid (PFHpA)	0.280 U	-	0.620 U	-
Perfluorohexanesulfonic acid (PFHxS)	0.280 U	-	0.930 U	-
Perfluorohexanoic acid (PFHxA)	0.280 U	-	0.620 U	-
Perfluorononanoic acid (PFNA)	0.280 U	-	0.620 U	-
Perfluorooctanesulfonic acid (PFOS)	0.690 U	-	1.50 U	-
Perfluorooctanoic acid (PFOA)	0.280 U	-	0.620 U	-
Perfluorotetradecanoic acid (PFTA)	0.410 U	-	0.930 U	-
Perfluorotridecanoic acid (PFTrDA)	0.280 U	-	0.620 U	-
Perfluoroundecanoic acid (PFUnA)	0.280 U	-	0.620 U	-

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

KOMAN, PFAS RI, Surface Water/Sediment-Area2

Plow Shop Pond

<b>Locations:</b> PS-18-01	PS-18-01	PS-18-02	PS-18-02	PS-18-03
<b>Field Sample ID:</b> PS-SED-18-01-DEC18	PS-SW-18-01-DEC18	PS-SED-18-02-DEC18	PS-SW-18-02-DEC18	PS-SED-18-03-DEC18
<b>Sample Begin Depth:</b> 0.00	0.00	0.00	0.00	0.00
<b>Sample End Depth:</b> 0.50	0.00	0.50	0.00	0.50
<b>Sample Date:</b> 12/14/2018	12/14/2018	12/17/2018	12/17/2018	12/14/2018

**Gen. Chemistry (mg/kg)**

Total Organic Carbon	<b>7800</b>	-	<b>22000</b>	-	<b>80000</b>
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**PFAS (ng/L)**

6:2 Fluorotelomer sulfonate (6:2 FTS)	-	19.0 U	-	17.0 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	9.60 U	-	8.30 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	9.60 U	-	8.30 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	9.60 U	-	8.30 U	-
Perfluorobutanesulfonic acid (PFBS)	-	<b>0.610 J</b>	-	<b>0.910 J</b>	-
Perfluorodecanoic acid (PFDA)	-	<b>0.510 J</b>	-	0.830 U	-
Perfluorododecanoic acid (PFDoA)	-	1.40 U	-	1.20 U	-
Perfluoroheptanoic acid (PFHpA)	-	<b>1.80 J</b>	-	<b>3.00</b>	-
Perfluorohexanesulfonic acid (PFHxS)	-	<b>1.40 J</b>	-	<b>2.90</b>	-
Perfluorohexanoic acid (PFHxA)	-	<b>2.00</b>	-	<b>3.70</b>	-
Perfluorononanoic acid (PFNA)	-	1.40 U	-	<b>0.700 J</b>	-
Perfluorooctanesulfonic acid (PFOS)	-	<b>5.00</b>	-	<b>3.90</b>	-
Perfluorooctanoic acid (PFOA)	-	<b>3.90</b>	-	<b>6.10</b>	-
Perfluorotetradecanoic acid (PFTA)	-	2.90 U	-	2.50 U	-
Perfluorotridecanoic acid (PFTrDA)	-	2.90 U	-	2.50 U	-
Perfluoroundecanoic acid (PFUnA)	-	1.40 U	-	1.20 U	-

**PFAS (ug/kg)**

6:2 Fluorotelomer sulfonate (6:2 FTS)	2.70 U	-	3.00 U	-	3.60 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	1.30 U	-	1.50 U	-	1.80 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.30 U	-	1.50 U	-	1.80 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.30 U	-	1.50 U	-	1.80 U
Perfluorobutanesulfonic acid (PFBS)	0.240 U	-	0.270 U	-	0.330 U
Perfluorodecanoic acid (PFDA)	0.270 U	-	0.300 U	-	0.360 U
Perfluorododecanoic acid (PFDoA)	0.270 U	-	0.300 U	-	0.360 U

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

	Locations: PS-18-03	PS-18-04	PS-18-04	PS-18-05	PS-18-05
	Field Sample ID: PS-SW-18-03-DEC18	PS-SED-18-04-DEC18	PS-SW-18-04-DEC18	PS-SED-18-05-DEC18	PS-SW-18-05-DEC18
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.00	0.50	0.00	0.50	0.00
	Sample Date: 12/14/2018	12/14/2018	12/14/2018	12/17/2018	12/17/2018
<b>Gen. Chemistry (mg/kg)</b>					
Total Organic Carbon	-	<b>16000</b>	-	<b>18000</b>	-
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	-	19.0 U	-	17.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.50 U	-	9.60 U	-	8.40 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.50 U	-	9.60 U	-	8.40 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.50 U	-	9.60 U	-	8.40 U
Perfluorobutanesulfonic acid (PFBS)	<b>1.30 J</b>	-	<b>1.20 J</b>	-	<b>1.00 J</b>
Perfluorodecanoic acid (PFDA)	0.950 U	-	0.960 U	-	0.840 U
Perfluorododecanoic acid (PFDoA)	1.40 U	-	1.40 U	-	1.30 U
Perfluoroheptanoic acid (PFHpA)	<b>4.00</b>	-	<b>4.20</b>	-	<b>3.60</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>3.10</b>	-	<b>2.80</b>	-	<b>3.20</b>
Perfluorohexanoic acid (PFHxA)	<b>5.40</b>	-	<b>5.20</b>	-	<b>4.70</b>
Perfluorononanoic acid (PFNA)	<b>0.960 J</b>	-	<b>0.850 J</b>	-	<b>0.850 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>4.30</b>	-	<b>4.40</b>	-	<b>3.70</b>
Perfluorooctanoic acid (PFOA)	<b>9.80</b>	-	<b>9.40</b>	-	<b>7.50</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	-	2.90 U	-	2.50 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	-	2.90 U	-	2.50 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	-	1.40 U	-	1.30 U
<b>PFAS (ug/kg)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	2.60 U	-	3.40 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	1.30 U	-	1.70 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1.30 U	-	1.70 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1.30 U	-	1.70 U	-
Perfluorobutanesulfonic acid (PFBS)	-	0.230 U	-	0.310 U	-
Perfluorodecanoic acid (PFDA)	-	0.260 U	-	0.340 U	-
Perfluorododecanoic acid (PFDoA)	-	0.260 U	-	0.340 U	-

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

<b>Locations:</b> PS-18-06	PS-18-06
<b>Field Sample ID:</b> PS-SED-18-06-DEC18	PS-SW-18-06-DEC18
<b>Sample Begin Depth:</b> 0.00	0.00
<b>Sample End Depth:</b> 0.50	0.00
<b>Sample Date:</b> 12/17/2018	12/17/2018

<b>Gen. Chemistry (mg/kg)</b>		
Total Organic Carbon	<b>16000</b>	-

<b>PFAS (ng/L)</b>		
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	17.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	8.60 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	8.60 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	8.60 U
Perfluorobutanesulfonic acid (PFBS)	-	<b>0.920 J</b>
Perfluorodecanoic acid (PFDA)	-	0.860 U
Perfluorododecanoic acid (PFDoA)	-	1.30 U
Perfluoroheptanoic acid (PFHpA)	-	<b>1.20 J</b>
Perfluorohexanesulfonic acid (PFHxS)	-	<b>7.40</b>
Perfluorohexanoic acid (PFHxA)	-	<b>1.90</b>
Perfluorononanoic acid (PFNA)	-	<b>0.480 J</b>
Perfluorooctanesulfonic acid (PFOS)	-	<b>9.80</b>
Perfluorooctanoic acid (PFOA)	-	<b>4.10</b>
Perfluorotetradecanoic acid (PFTA)	-	2.60 U
Perfluorotridecanoic acid (PFTrDA)	-	2.60 U
Perfluoroundecanoic acid (PFUnA)	-	1.30 U

<b>PFAS (ug/kg)</b>		
6:2 Fluorotelomer sulfonate (6:2 FTS)	2.90 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	1.40 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.40 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.40 U	-
Perfluorobutanesulfonic acid (PFBS)	0.260 U	-
Perfluorodecanoic acid (PFDA)	0.290 U	-
Perfluorododecanoic acid (PFDoA)	0.290 U	-

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

	Locations: PS-18-01	PS-18-01	PS-18-02	PS-18-02	PS-18-03
	Field Sample ID: PS-SED-18-01-DEC18	PS-SW-18-01-DEC18	PS-SED-18-02-DEC18	PS-SW-18-02-DEC18	PS-SED-18-03-DEC18
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.50	0.00	0.50	0.00	0.50
	Sample Date: 12/14/2018	12/14/2018	12/17/2018	12/17/2018	12/14/2018
Perfluoroheptanoic acid (PFHpA)	0.270 U	-	0.300 U	-	0.360 U
Perfluorohexanesulfonic acid (PFHxS)	0.270 U	-	<b>0.160 J</b>	-	0.360 U
Perfluorohexanoic acid (PFHxA)	0.270 U	-	0.300 U	-	0.360 U
Perfluorononanoic acid (PFNA)	0.270 U	-	0.300 U	-	0.360 U
Perfluorooctanesulfonic acid (PFOS)	0.670 U	-	<b>1.70</b>	-	0.910 U
Perfluorooctanoic acid (PFOA)	0.270 U	-	0.300 U	-	0.360 U
Perfluorotetradecanoic acid (PFTA)	0.400 U	-	0.440 U	-	0.540 U
Perfluorotridecanoic acid (PFTrDA)	0.270 U	-	0.300 U	-	0.360 U
Perfluoroundecanoic acid (PFUnA)	0.270 U	-	0.300 U	-	0.360 U



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

	<b>Locations:</b> PS-18-03	PS-18-04	PS-18-04	PS-18-05	PS-18-05
	<b>Field Sample ID:</b> PS-SW-18-03-DEC18	PS-SED-18-04-DEC18	PS-SW-18-04-DEC18	PS-SED-18-05-DEC18	PS-SW-18-05-DEC18
	<b>Sample Begin Depth:</b> 0.00	0.00	0.00	0.00	0.00
	<b>Sample End Depth:</b> 0.00	0.50	0.00	0.50	0.00
	<b>Sample Date:</b> 12/14/2018	12/14/2018	12/14/2018	12/17/2018	12/17/2018
Perfluoroheptanoic acid (PFHpA)	-	0.260 U	-	0.340 U	-
Perfluorohexanesulfonic acid (PFHxS)	-	0.260 U	-	0.340 U	-
Perfluorohexanoic acid (PFHxA)	-	0.260 U	-	0.340 U	-
Perfluorononanoic acid (PFNA)	-	0.260 U	-	0.340 U	-
Perfluorooctanesulfonic acid (PFOS)	-	0.650 U	-	0.850 U	-
Perfluorooctanoic acid (PFOA)	-	0.260 U	-	0.340 U	-
Perfluorotetradecanoic acid (PFTA)	-	0.390 U	-	0.510 U	-
Perfluorotridecanoic acid (PFTrDA)	-	0.260 U	-	0.340 U	-
Perfluoroundecanoic acid (PFUnA)	-	0.260 U	-	0.340 U	-

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

	<b>Locations:</b> PS-18-06	PS-18-06
	<b>Field Sample ID:</b> PS-SED-18-06-DEC18	PS-SW-18-06-DEC18
	<b>Sample Begin Depth:</b> 0.00	0.00
	<b>Sample End Depth:</b> 0.50	0.00
	<b>Sample Date:</b> 12/17/2018	12/17/2018
Perfluoroheptanoic acid (PFHpA)	0.290 U	-
Perfluorohexanesulfonic acid (PFHxS)	<b>0.120 J</b>	-
Perfluorohexanoic acid (PFHxA)	0.290 U	-
Perfluorononanoic acid (PFNA)	0.290 U	-
Perfluorooctanesulfonic acid (PFOS)	<b>1.40</b>	-
Perfluorooctanoic acid (PFOA)	0.290 U	-
Perfluorotetradecanoic acid (PFTA)	0.430 U	-
Perfluorotridecanoic acid (PFTrDA)	0.290 U	-
Perfluoroundecanoic acid (PFUnA)	0.290 U	-

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

KOMAN, PFAS RI, Surface Water/Sediment-Area2

Robbins Pond and Tributaries

Locations:	RP-18-01	RP-18-01	RP-18-02	RP-18-02	RP-18-03
Field Sample ID:	RP-SED-18-01-DEC18	RP-SW-18-01-DEC18	RP-SED-18-02-DEC18	RP-SW-18-02-DEC18	RP-SED-18-03-DEC18
Sample Begin Depth:	0.00	0.00	0.00	0.00	0.00
Sample End Depth:	0.25	0.00	0.25	0.00	0.25
Sample Date:	12/03/2018	12/03/2018	12/04/2018	12/04/2018	12/04/2018

**Gen. Chemistry (mg/kg)**

Total Organic Carbon	<b>4900</b>	-	<b>28000</b>	-	<b>29000</b>
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**PFAS (ng/L)**

6:2 Fluorotelomer sulfonate (6:2 FTS)	-	17.0 U	-	17.0 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	8.60 U	-	8.60 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	8.60 U	-	8.60 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	8.60 U	-	8.60 U	-
Perfluorobutanesulfonic acid (PFBS)	-	<b>1.90</b>	-	<b>2.10</b>	-
Perfluorodecanoic acid (PFDA)	-	0.860 U	-	<b>0.680 J</b>	-
Perfluorododecanoic acid (PFDoA)	-	1.30 U	-	1.30 U	-
Perfluoroheptanoic acid (PFHpA)	-	<b>5.90</b>	-	<b>7.10</b>	-
Perfluorohexanesulfonic acid (PFHxS)	-	<b>14.0</b>	-	<b>16.0</b>	-
Perfluorohexanoic acid (PFHxA)	-	<b>10.0</b>	-	<b>12.0</b>	-
Perfluorononanoic acid (PFNA)	-	<b>1.10 J</b>	-	<b>2.50</b>	-
Perfluorooctanesulfonic acid (PFOS)	-	<b>17.0</b>	-	<b>63.0</b>	-
Perfluorooctanoic acid (PFOA)	-	<b>12.0</b>	-	<b>15.0</b>	-
Perfluorotetradecanoic acid (PFTA)	-	2.60 U	-	2.60 U	-
Perfluorotridecanoic acid (PFTrDA)	-	2.60 U	-	2.60 U	-
Perfluoroundecanoic acid (PFUnA)	-	1.30 U	-	1.30 U	-

**PFAS (ug/kg)**

6:2 Fluorotelomer sulfonate (6:2 FTS)	2.80 U	-	3.60 U	-	3.00 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	1.40 U	-	1.80 U	-	1.50 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.40 U	-	<b>2.10 J</b>	-	1.50 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.40 U	-	1.80 U	-	1.50 U
Perfluorobutanesulfonic acid (PFBS)	0.250 U	-	0.320 U	-	0.270 U
Perfluorodecanoic acid (PFDA)	0.280 U	-	<b>0.310 J</b>	-	0.300 U
Perfluorododecanoic acid (PFDoA)	0.280 U	-	<b>0.320 J</b>	-	<b>0.210 J</b>

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

	Locations: RP-18-03	RP-18-03 (FD)	RP-18-03 (FD)	UT-18-01	UT-18-01
Field Sample ID:	RP-SW-18-03-DEC18	A2-SED-DUP-120418	A2-SW-DUP-120418	UT-SED-18-01-DEC18	UT-SW-18-01-DEC18
Sample Begin Depth:	0.00	0.00	0.00	0.00	0.00
Sample End Depth:	0.00	0.25	0.00	0.25	0.00
Sample Date:	12/04/2018	12/04/2018	12/04/2018	12/05/2018	12/05/2018
<b>Gen. Chemistry (mg/kg)</b>					
Total Organic Carbon	-	<b>28000</b>	-	<b>5000</b>	-
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	17.0 U	-	20.0 U	-	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	8.60 U	-	10.0 U	-	8.90 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	8.60 U	-	10.0 U	-	8.90 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	8.60 U	-	10.0 U	-	8.90 U
Perfluorobutanesulfonic acid (PFBS)	<b>2.10</b>	-	<b>2.10</b>	-	<b>2.30</b>
Perfluorodecanoic acid (PFDA)	0.860 U	-	1.00 U	-	0.890 U
Perfluorododecanoic acid (PFDoA)	1.30 U	-	1.50 U	-	1.30 U
Perfluoroheptanoic acid (PFHpA)	<b>5.80</b>	-	<b>6.20</b>	-	<b>7.40</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>13.0</b>	-	<b>15.0</b>	-	<b>8.80</b>
Perfluorohexanoic acid (PFHxA)	<b>11.0</b>	-	<b>11.0</b>	-	<b>12.0</b>
Perfluorononanoic acid (PFNA)	<b>1.10 J</b>	-	<b>1.10 J</b>	-	<b>1.30 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>17.0</b>	-	<b>17.0</b>	-	<b>11.0</b>
Perfluorooctanoic acid (PFOA)	<b>13.0</b>	-	<b>13.0</b>	-	<b>13.0</b>
Perfluorotetradecanoic acid (PFTA)	2.60 U	-	3.00 U	-	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.60 U	-	3.00 U	-	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.30 U	-	1.50 U	-	1.30 U
<b>PFAS (ug/kg)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	3.40 U	-	2.50 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	1.70 U	-	1.20 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	<b>1.40 J</b>	-	1.20 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1.70 U	-	1.20 U	-
Perfluorobutanesulfonic acid (PFBS)	-	0.300 U	-	0.220 U	-
Perfluorodecanoic acid (PFDA)	-	<b>0.280 J</b>	-	0.250 U	-
Perfluorododecanoic acid (PFDoA)	-	<b>0.290 J</b>	-	0.250 U	-

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	Locations: UT-18-01 (FD)	UT-18-01 (FD)	UT-18-02	UT-18-02	UT-18-03
Field Sample ID:	A2-SED-DUP-120518	A2-SW-DUP-120518	UT-SED-18-02-DEC18	UT-SW-18-02-DEC18	UT-SED-18-03-DEC18
Sample Begin Depth:	0.00	0.00	0.00	0.00	0.00
Sample End Depth:	0.25	0.00	0.25	0.00	0.25
Sample Date:	12/05/2018	12/05/2018	12/04/2018	12/04/2018	12/04/2018
<b>Gen. Chemistry (mg/kg)</b>					
Total Organic Carbon	<b>3800</b>	-	<b>72000</b>	-	<b>28000</b>
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	18.0 U	-	17.0 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	9.10 U	-	8.40 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	9.10 U	-	8.40 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	9.10 U	-	8.40 U	-
Perfluorobutanesulfonic acid (PFBS)	-	<b>2.40</b>	-	<b>2.50</b>	-
Perfluorodecanoic acid (PFDA)	-	0.910 U	-	0.840 U	-
Perfluorododecanoic acid (PFDoA)	-	1.40 U	-	1.30 U	-
Perfluoroheptanoic acid (PFHpA)	-	<b>7.50</b>	-	<b>6.50</b>	-
Perfluorohexanesulfonic acid (PFHxS)	-	<b>9.00</b>	-	<b>9.20</b>	-
Perfluorohexanoic acid (PFHxA)	-	<b>13.0</b>	-	<b>10.0</b>	-
Perfluorononanoic acid (PFNA)	-	<b>1.20 J</b>	-	<b>1.10 J</b>	-
Perfluorooctanesulfonic acid (PFOS)	-	<b>11.0</b>	-	<b>11.0</b>	-
Perfluorooctanoic acid (PFOA)	-	<b>13.0</b>	-	<b>12.0</b>	-
Perfluorotetradecanoic acid (PFTA)	-	2.70 U	-	2.50 U	-
Perfluorotridecanoic acid (PFTrDA)	-	2.70 U	-	2.50 U	-
Perfluoroundecanoic acid (PFUnA)	-	1.40 U	-	1.30 U	-
<b>PFAS (ug/kg)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	2.50 U	-	4.30 U	-	3.60 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	1.30 U	-	2.20 U	-	1.80 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.30 U	-	2.20 U	-	1.80 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.30 U	-	2.20 U	-	1.80 U
Perfluorobutanesulfonic acid (PFBS)	0.230 U	-	0.390 U	-	0.330 U
Perfluorodecanoic acid (PFDA)	0.250 U	-	0.430 U	-	<b>0.270 J</b>
Perfluorododecanoic acid (PFDoA)	0.250 U	-	0.430 U	-	<b>0.240 J</b>

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**Locations:** UT-18-03

**Field Sample ID:** UT-SW-18-03-DEC18

**Sample Begin Depth:** 0.00

**Sample End Depth:** 0.00

**Sample Date:** 12/04/2018

**Gen. Chemistry (mg/kg)**

Total Organic Carbon -

**PFAS (ng/L)**

6:2 Fluorotelomer sulfonate (6:2 FTS) 20.0 U

8:2 Fluorotelomer sulfonate (8:2 FTS) 9.80 U

N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) 9.80 U

N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) 9.80 U

Perfluorobutanesulfonic acid (PFBS) **2.20**

Perfluorodecanoic acid (PFDA) 0.980 U

Perfluorododecanoic acid (PFDoA) 1.50 U

Perfluoroheptanoic acid (PFHpA) **6.60**

Perfluorohexanesulfonic acid (PFHxS) **9.50**

Perfluorohexanoic acid (PFHxA) **11.0**

Perfluorononanoic acid (PFNA) **1.10 J**

Perfluorooctanesulfonic acid (PFOS) **11.0**

Perfluorooctanoic acid (PFOA) **12.0 J**

Perfluorotetradecanoic acid (PFTA) 2.90 U

Perfluorotridecanoic acid (PFTTrDA) 2.90 U

Perfluoroundecanoic acid (PFUnA) 1.50 U

**PFAS (ug/kg)**

6:2 Fluorotelomer sulfonate (6:2 FTS) -

8:2 Fluorotelomer sulfonate (8:2 FTS) -

N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) -

N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) -

Perfluorobutanesulfonic acid (PFBS) -

Perfluorodecanoic acid (PFDA) -

Perfluorododecanoic acid (PFDoA) -

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	Locations: RP-18-01	RP-18-01	RP-18-02	RP-18-02	RP-18-03
	Field Sample ID: RP-SED-18-01-DEC18	RP-SW-18-01-DEC18	RP-SED-18-02-DEC18	RP-SW-18-02-DEC18	RP-SED-18-03-DEC18
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.25	0.00	0.25	0.00	0.25
	Sample Date: 12/03/2018	12/03/2018	12/04/2018	12/04/2018	12/04/2018
Perfluoroheptanoic acid (PFHpA)	0.280 U	-	0.360 U	-	0.300 U
Perfluorohexanesulfonic acid (PFHxS)	0.280 U	-	<b>0.650</b>	-	<b>0.340 J</b>
Perfluorohexanoic acid (PFHxA)	0.280 U	-	0.360 U	-	0.300 U
Perfluorononanoic acid (PFNA)	0.280 U	-	0.360 U	-	0.300 U
Perfluorooctanesulfonic acid (PFOS)	0.700 U	-	<b>4.80</b>	-	<b>1.80</b>
Perfluorooctanoic acid (PFOA)	0.280 U	-	<b>0.280 J</b>	-	0.300 U
Perfluorotetradecanoic acid (PFTA)	0.420 U	-	0.530 U	-	0.450 U
Perfluorotridecanoic acid (PFTrDA)	0.280 U	-	<b>0.180 J</b>	-	0.300 U
Perfluoroundecanoic acid (PFUnA)	0.280 U	-	<b>0.430 J</b>	-	<b>0.310 J</b>

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	Locations: RP-18-03	RP-18-03 (FD)	RP-18-03 (FD)	UT-18-01	UT-18-01
<b>Field Sample ID:</b>	RP-SW-18-03-DEC18	A2-SED-DUP-120418	A2-SW-DUP-120418	UT-SED-18-01-DEC18	UT-SW-18-01-DEC18
<b>Sample Begin Depth:</b>	0.00	0.00	0.00	0.00	0.00
<b>Sample End Depth:</b>	0.00	0.25	0.00	0.25	0.00
<b>Sample Date:</b>	12/04/2018	12/04/2018	12/04/2018	12/05/2018	12/05/2018
Perfluoroheptanoic acid (PFHpA)	-	0.340 U	-	0.250 U	-
Perfluorohexanesulfonic acid (PFHxS)	-	<b>0.610</b>	-	0.250 U	-
Perfluorohexanoic acid (PFHxA)	-	0.340 U	-	0.250 U	-
Perfluorononanoic acid (PFNA)	-	0.340 U	-	0.250 U	-
Perfluorooctanesulfonic acid (PFOS)	-	<b>4.40</b>	-	<b>0.560 J</b>	-
Perfluorooctanoic acid (PFOA)	-	<b>0.230 J</b>	-	<b>0.150 J</b>	-
Perfluorotetradecanoic acid (PFTA)	-	0.500 U	-	0.370 U	-
Perfluorotridecanoic acid (PFTrDA)	-	<b>0.200 J</b>	-	0.250 U	-
Perfluoroundecanoic acid (PFUnA)	-	<b>0.440 J</b>	-	0.250 U	-



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

	<b>Locations:</b> UT-18-01 (FD)	UT-18-01 (FD)	UT-18-02	UT-18-02	UT-18-03
	<b>Field Sample ID:</b> A2-SED-DUP-120518	A2-SW-DUP-120518	UT-SED-18-02-DEC18	UT-SW-18-02-DEC18	UT-SED-18-03-DEC18
	<b>Sample Begin Depth:</b> 0.00	0.00	0.00	0.00	0.00
	<b>Sample End Depth:</b> 0.25	0.00	0.25	0.00	0.25
	<b>Sample Date:</b> 12/05/2018	12/05/2018	12/04/2018	12/04/2018	12/04/2018
Perfluoroheptanoic acid (PFHpA)	<b>0.150 J</b>	-	0.430 U	-	<b>0.560</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>0.110 J</b>	-	<b>0.610 J</b>	-	<b>0.350 J</b>
Perfluorohexanoic acid (PFHxA)	<b>0.140 J</b>	-	0.430 U	-	<b>0.870</b>
Perfluorononanoic acid (PFNA)	0.250 U	-	0.430 U	-	<b>0.230 J</b>
Perfluorooctanesulfonic acid (PFOS)	<b>1.60</b>	-	<b>3.70</b>	-	<b>5.10</b>
Perfluorooctanoic acid (PFOA)	<b>0.510</b>	-	<b>0.280 J</b>	-	<b>1.20 J</b>
Perfluorotetradecanoic acid (PFTA)	0.380 U	-	0.650 U	-	0.550 U
Perfluorotridecanoic acid (PFTrDA)	0.250 U	-	0.430 U	-	0.360 U
Perfluoroundecanoic acid (PFUnA)	0.250 U	-	0.430 U	-	<b>0.260 J</b>

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

**Locations:** UT-18-03

**Field Sample ID:** UT-SW-18-03-DEC18

**Sample Begin Depth:** 0.00

**Sample End Depth:** 0.00

**Sample Date:** 12/04/2018

Perfluoroheptanoic acid (PFHpA)	-
Perfluorohexanesulfonic acid (PFHxS)	-
Perfluorohexanoic acid (PFHxA)	-
Perfluorononanoic acid (PFNA)	-
Perfluorooctanesulfonic acid (PFOS)	-
Perfluorooctanoic acid (PFOA)	-
Perfluorotetradecanoic acid (PFTA)	-
Perfluorotridecanoic acid (PFTrDA)	-
Perfluoroundecanoic acid (PFUnA)	-

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

KOMAN, PFAS RI, Surface Water/Sediment-Area2

Willow Brook

Locations:	WB-18-01	WB-18-01	WB-18-02	WB-18-02	WB-18-03
Field Sample ID:	WB-SED-18-01-DEC18	WB-SW-18-01-DEC18	WB-SED-18-02-DEC18	WB-SW-18-02-DEC18	WB-SED-18-03-DEC18
Sample Begin Depth:	0.00	0.00	0.00	0.00	0.00
Sample End Depth:	0.50	0.00	0.50	0.00	0.50
Sample Date:	12/17/2018	12/17/2018	12/17/2018	12/17/2018	12/13/2018

Gen. Chemistry (mg/kg)

Total Organic Carbon	8300	-	28000	-	2600
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PFAS (ng/L)

6:2 Fluorotelomer sulfonate (6:2 FTS)	-	18.0 U	-	17.0 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	8.90 U	-	8.70 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	8.90 U	-	8.70 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	8.90 U	-	8.70 U	-
Perfluorobutanesulfonic acid (PFBS)	-	2.30	-	2.70	-
Perfluorodecanoic acid (PFDA)	-	0.460 J	-	0.870 U	-
Perfluorododecanoic acid (PFDoA)	-	1.30 U	-	1.30 U	-
Perfluoroheptanoic acid (PFHpA)	-	6.50	-	6.80	-
Perfluorohexanesulfonic acid (PFHxS)	-	15.0	-	18.0	-
Perfluorohexanoic acid (PFHxA)	-	12.0	-	13.0	-
Perfluorononanoic acid (PFNA)	-	1.50 J	-	1.20 J	-
Perfluorooctanesulfonic acid (PFOS)	-	34.0	-	23.0	-
Perfluorooctanoic acid (PFOA)	-	14.0	-	13.0	-
Perfluorotetradecanoic acid (PFTA)	-	2.70 U	-	2.60 U	-
Perfluorotridecanoic acid (PFTrDA)	-	2.70 U	-	2.60 U	-
Perfluoroundecanoic acid (PFUnA)	-	1.30 U	-	1.30 U	-

PFAS (ug/kg)

6:2 Fluorotelomer sulfonate (6:2 FTS)	3.00 U	-	3.60 U	-	2.30 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	1.50 U	-	1.80 U	-	1.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.50 U	-	0.610 J	-	1.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.50 U	-	0.670 J	-	1.10 U
Perfluorobutanesulfonic acid (PFBS)	0.270 U	-	0.330 U	-	0.200 U
Perfluorodecanoic acid (PFDA)	0.300 U	-	0.310 J	-	0.230 U
Perfluorododecanoic acid (PFDoA)	0.300 U	-	0.450 J	-	0.230 U

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	Locations: WB-18-03	WB-18-04	WB-18-04	WB-18-05	WB-18-05
	Field Sample ID: WB-SW-18-03-DEC18	WB-SED-18-04-DEC18	WB-SW-18-04-DEC18	WB-SED-18-05-DEC18	WB-SW-18-05-DEC18
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.00	0.50	0.00	0.50	0.00
	Sample Date: 12/13/2018	12/13/2018	12/13/2018	12/13/2018	12/13/2018
<b>Gen. Chemistry (mg/kg)</b>					
Total Organic Carbon	-	<b>12000</b>	-	<b>46000</b>	-
<b>PFAS (ng/L)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	-	20.0 U	-	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.30 U	-	10.0 U	-	8.90 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.30 U	-	10.0 U	-	8.90 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.30 U	-	10.0 U	-	8.90 U
Perfluorobutanesulfonic acid (PFBS)	<b>3.10</b>	-	<b>3.20</b>	-	<b>4.10</b>
Perfluorodecanoic acid (PFDA)	0.930 U	-	1.00 U	-	<b>0.610 J</b>
Perfluorododecanoic acid (PFDoA)	1.40 U	-	1.50 U	-	1.30 U
Perfluoroheptanoic acid (PFHpA)	<b>13.0</b>	-	<b>13.0</b>	-	<b>13.0</b>
Perfluorohexanesulfonic acid (PFHxS)	<b>36.0</b>	-	<b>44.0</b>	-	<b>53.0</b>
Perfluorohexanoic acid (PFHxA)	<b>19.0</b>	-	<b>20.0</b>	-	<b>20.0</b>
Perfluorononanoic acid (PFNA)	<b>2.20</b>	-	<b>2.20</b>	-	<b>2.50</b>
Perfluorooctanesulfonic acid (PFOS)	<b>55.0</b>	-	<b>58.0</b>	-	<b>66.0</b>
Perfluorooctanoic acid (PFOA)	<b>19.0</b>	-	<b>19.0</b>	-	<b>25.0</b>
Perfluorotetradecanoic acid (PFTA)	2.80 U	-	3.00 U	-	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	-	3.00 U	-	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	-	1.50 U	-	1.30 U
<b>PFAS (ug/kg)</b>					
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	2.90 U	-	2.90 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	1.50 U	-	1.40 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1.50 U	-	1.40 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1.50 U	-	1.40 U	-
Perfluorobutanesulfonic acid (PFBS)	-	0.260 U	-	0.260 U	-
Perfluorodecanoic acid (PFDA)	-	0.290 U	-	0.290 U	-
Perfluorododecanoic acid (PFDoA)	-	<b>0.400 J</b>	-	0.290 U	-

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<b>Locations:</b> WB-18-05 (FD)	WB-18-05 (FD)	WB-18-06	WB-18-06
<b>Field Sample ID:</b> A2-SED-DUP-121318	A2-SW-DUP-121318	WB-SED-18-06-DEC18	WB-SW-18-06-DEC18
<b>Sample Begin Depth:</b> 0.00	0.00	0.00	0.00
<b>Sample End Depth:</b> 0.50	0.00	0.50	0.00
<b>Sample Date:</b> 12/13/2018	12/13/2018	12/13/2018	12/13/2018

**Gen. Chemistry (mg/kg)**

Total Organic Carbon	<b>34000</b>	-	<b>61000</b>	-
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**PFAS (ng/L)**

6:2 Fluorotelomer sulfonate (6:2 FTS)	-	19.0 U	-	17.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	9.40 U	-	8.40 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	9.40 U	-	8.40 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	9.40 U	-	8.40 U
Perfluorobutanesulfonic acid (PFBS)	-	<b>4.60</b>	-	<b>4.40</b>
Perfluorodecanoic acid (PFDA)	-	<b>0.620 J</b>	-	<b>0.460 J</b>
Perfluorododecanoic acid (PFDoA)	-	1.40 U	-	1.30 U
Perfluoroheptanoic acid (PFHpA)	-	<b>14.0</b>	-	<b>13.0</b>
Perfluorohexanesulfonic acid (PFHxS)	-	<b>55.0</b>	-	<b>49.0</b>
Perfluorohexanoic acid (PFHxA)	-	<b>20.0</b>	-	<b>20.0</b>
Perfluorononanoic acid (PFNA)	-	<b>2.80</b>	-	<b>2.20</b>
Perfluorooctanesulfonic acid (PFOS)	-	<b>72.0</b>	-	<b>48.0</b>
Perfluorooctanoic acid (PFOA)	-	<b>25.0</b>	-	<b>21.0</b>
Perfluorotetradecanoic acid (PFTA)	-	2.80 U	-	2.50 U
Perfluorotridecanoic acid (PFTTrDA)	-	2.80 U	-	2.50 U
Perfluoroundecanoic acid (PFUnA)	-	1.40 U	-	1.30 U

**PFAS (ug/kg)**

6:2 Fluorotelomer sulfonate (6:2 FTS)	3.10 U	-	4.10 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	1.50 U	-	2.10 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<b>0.740 J</b>	-	2.10 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<b>0.670 J</b>	-	2.10 U	-
Perfluorobutanesulfonic acid (PFBS)	0.280 U	-	0.370 U	-
Perfluorodecanoic acid (PFDA)	0.310 U	-	<b>0.390 J</b>	-
Perfluorododecanoic acid (PFDoA)	<b>0.200 J</b>	-	<b>0.500 J</b>	-

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

	Locations: WB-18-01	WB-18-01	WB-18-02	WB-18-02	WB-18-03
	Field Sample ID: WB-SED-18-01-DEC18	WB-SW-18-01-DEC18	WB-SED-18-02-DEC18	WB-SW-18-02-DEC18	WB-SED-18-03-DEC18
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.50	0.00	0.50	0.00	0.50
	Sample Date: 12/17/2018	12/17/2018	12/17/2018	12/17/2018	12/13/2018
Perfluoroheptanoic acid (PFHpA)	0.300 U	-	0.360 U	-	0.230 U
Perfluorohexanesulfonic acid (PFHxS)	0.300 U	-	<b>0.840</b>	-	0.230 U
Perfluorohexanoic acid (PFHxA)	0.300 U	-	0.360 U	-	0.230 U
Perfluorononanoic acid (PFNA)	0.300 U	-	<b>0.240 J</b>	-	0.230 U
Perfluorooctanesulfonic acid (PFOS)	<b>0.580 J</b>	-	<b>3.00</b>	-	<b>0.420 J</b>
Perfluorooctanoic acid (PFOA)	0.300 U	-	<b>0.300 J</b>	-	0.230 U
Perfluorotetradecanoic acid (PFTA)	0.450 U	-	<b>0.200 J</b>	-	0.340 U
Perfluorotridecanoic acid (PFTrDA)	0.300 U	-	<b>0.220 J</b>	-	0.230 U
Perfluoroundecanoic acid (PFUnA)	0.300 U	-	<b>0.390 J</b>	-	0.230 U

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

	Locations: WB-18-03	WB-18-04	WB-18-04	WB-18-05	WB-18-05
	Field Sample ID: WB-SW-18-03-DEC18	WB-SED-18-04-DEC18	WB-SW-18-04-DEC18	WB-SED-18-05-DEC18	WB-SW-18-05-DEC18
	Sample Begin Depth: 0.00	0.00	0.00	0.00	0.00
	Sample End Depth: 0.00	0.50	0.00	0.50	0.00
	Sample Date: 12/13/2018	12/13/2018	12/13/2018	12/13/2018	12/13/2018
Perfluoroheptanoic acid (PFHpA)	-	0.440 U	-	0.290 U	-
Perfluorohexanesulfonic acid (PFHxS)	-	0.440 U	-	0.430 U	-
Perfluorohexanoic acid (PFHxA)	-	<b>0.210 J</b>	-	0.290 U	-
Perfluorononanoic acid (PFNA)	-	0.290 U	-	0.290 U	-
Perfluorooctanesulfonic acid (PFOS)	-	<b>1.90</b>	-	<b>0.930 J</b>	-
Perfluorooctanoic acid (PFOA)	-	<b>0.250 J</b>	-	0.290 U	-
Perfluorotetradecanoic acid (PFTA)	-	0.440 U	-	0.430 U	-
Perfluorotridecanoic acid (PFTrDA)	-	<b>0.170 J</b>	-	0.290 U	-
Perfluoroundecanoic acid (PFUnA)	-	<b>0.440</b>	-	0.290 U	-

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

	<b>Locations:</b> WB-18-05 (FD)	WB-18-05 (FD)	WB-18-06	WB-18-06
	<b>Field Sample ID:</b> A2-SED-DUP-121318	A2-SW-DUP-121318	WB-SED-18-06-DEC18	WB-SW-18-06-DEC18
	<b>Sample Begin Depth:</b> 0.00	0.00	0.00	0.00
	<b>Sample End Depth:</b> 0.50	0.00	0.50	0.00
	<b>Sample Date:</b> 12/13/2018	12/13/2018	12/13/2018	12/13/2018
Perfluoroheptanoic acid (PFHpA)	0.310 U	-	0.410 U	-
Perfluorohexanesulfonic acid (PFHxS)	<b>0.710</b>	-	<b>1.00</b>	-
Perfluorohexanoic acid (PFHxA)	<b>0.140 J</b>	-	<b>0.150 J</b>	-
Perfluorononanoic acid (PFNA)	0.310 U	-	<b>0.220 J</b>	-
Perfluorooctanesulfonic acid (PFOS)	<b>2.70</b>	-	<b>7.90</b>	-
Perfluorooctanoic acid (PFOA)	<b>0.170 J</b>	-	<b>0.430 J</b>	-
Perfluorotetradecanoic acid (PFTA)	<b>0.180 J</b>	-	0.620 U	-
Perfluorotridecanoic acid (PFTrDA)	<b>0.200 J</b>	-	<b>0.290 J</b>	-
Perfluoroundecanoic acid (PFUnA)	0.310 U	-	<b>0.840</b>	-



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KOMAN, PFAS RI, Surface Water/Sediment-ML

Shabokin Well Field

Locations:	ML-20-01	ML-20-01
Field Sample ID:	ML-20-01-SED-MAR20	ML-20-01-SW-MAR20
Sample Begin Depth:	0.00	0.00
Sample End Depth:	0.50	0.00
Sample Date:	03/30/2020	03/30/2020

<b>Gen. Chemistry (mg/kg)</b>		
Total Organic Carbon	<b>4600</b>	-

<b>PFAS (ng/L)</b>		
6:2 Fluorotelomer sulfonate (6:2 FTS)	-	16.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	-	8.20 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	8.20 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	8.20 U
Perfluorobutanesulfonic acid (PFBS)	-	<b>1.10 J</b>
Perfluorodecanoic acid (PFDA)	-	0.820 U
Perfluorododecanoic acid (PFDoA)	-	1.20 U
Perfluoroheptanoic acid (PFHpA)	-	<b>4.10</b>
Perfluorohexanesulfonic acid (PFHxS)	-	<b>18.0</b>
Perfluorohexanoic acid (PFHxA)	-	<b>9.50</b>
Perfluorononanoic acid (PFNA)	-	<b>0.760 J</b>
Perfluorooctanesulfonic acid (PFOS)	-	<b>11.0</b>
Perfluorooctanoic acid (PFOA)	-	<b>12.0</b>
Perfluorotetradecanoic acid (PFTA)	-	2.50 U
Perfluorotridecanoic acid (PFTrDA)	-	2.50 U
Perfluoroundecanoic acid (PFUnA)	-	1.20 U

<b>PFAS (ug/kg)</b>		
6:2 Fluorotelomer sulfonate (6:2 FTS)	2.50 U	-
8:2 Fluorotelomer sulfonate (8:2 FTS)	1.30 U	-
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.30 U	-
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.30 U	-
Perfluorobutanesulfonic acid (PFBS)	0.230 U	-
Perfluorodecanoic acid (PFDA)	0.250 U	-
Perfluorododecanoic acid (PFDoA)	0.250 U	-

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

<b>Locations:</b>	ML-20-01	ML-20-01
<b>Field Sample ID:</b>	ML-20-01-SED-MAR20	ML-20-01-SW-MAR20
<b>Sample Begin Depth:</b>	0.00	0.00
<b>Sample End Depth:</b>	0.50	0.00
<b>Sample Date:</b>	03/30/2020	03/30/2020
Perfluoroheptanoic acid (PFHpA)	0.250 U	-
Perfluorohexanesulfonic acid (PFHxS)	0.250 U	-
Perfluorohexanoic acid (PFHxA)	0.250 U	-
Perfluorononanoic acid (PFNA)	0.250 U	-
Perfluorooctanesulfonic acid (PFOS)	0.630 U	-
Perfluorooctanoic acid (PFOA)	0.250 U	-
Perfluorotetradecanoic acid (PFTA)	0.380 U	-
Perfluorotridecanoic acid (PFTrDA)	0.250 U	-
Perfluoroundecanoic acid (PFUnA)	0.250 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