

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

MacPherson

Locations: MCPH-SENTINEL	MPP-93-02	MPP-93-03
Field Sample ID: 93-98-APR19	MPP-93-02-JAN19	MPP-93-03-JAN19
Sample Begin Depth: 93.00	0.00	0.00
Sample End Depth: 98.00	0.00	0.00
Sample Date: 04/04/2019	01/15/2019	01/15/2019

PFAS (ng/L)

6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	17.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.00 U	8.70 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.00 U	8.70 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.00 U	8.70 U
Perfluorobutanesulfonic acid (PFBS)	3.90	3.00	2.20
Perfluorodecanoic acid (PFDA)	0.920 U	0.900 U	0.870 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.30 U	1.30 U
Perfluoroheptanoic acid (PFHpA)	13.0	3.80	5.70
Perfluorohexanesulfonic acid (PFHxS)	42.0	25.0	22.0
Perfluorohexanoic acid (PFHxA)	17.0	5.40	4.60
Perfluorononanoic acid (PFNA)	0.580 J	0.780 J	1.90
Perfluorooctanesulfonic acid (PFOS)	44.0	20.0	19.0
Perfluorooctanoic acid (PFOA)	26.0	8.30	11.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.70 U	2.60 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.70 U	2.60 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.30 U	1.30 U

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KOMAN, PFAS RI, Vertical Profile Samples-Area2

MacPherson

	Locations: MPVP-19-01	MPVP-19-01	MPVP-19-01	MPVP-19-01	MPVP-19-01
Field Sample ID:	MPVP-19-01-17-21	MPVP-19-01-27-31	MPVP-19-01-37-41	MPVP-19-01-47-51	MPVP-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:	03/26/2019	03/26/2019	03/26/2019	03/26/2019	03/26/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	18.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.20 U	9.20 U	9.10 U	9.20 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.20 U	9.20 U	9.10 U	9.20 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.20 U	9.20 U	9.10 U	9.20 U
Perfluorobutanesulfonic acid (PFBS)	2.50	4.90	6.70	9.10	10.0
Perfluorodecanoic acid (PFDA)	0.920 U	0.920 U	0.920 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)	2.30	6.50	7.90	11.0	10.0
Perfluorohexanesulfonic acid (PFHxS)	24.0	56.0	57.0	72.0	70.0
Perfluorohexanoic acid (PFHxA)	5.20	9.40	11.0	18.0	16.0
Perfluorononanoic acid (PFNA)	1.40 U	1.30 J	1.50 J	1.60 J	1.70 J
Perfluorooctanesulfonic acid (PFOS)	8.80	30.0	35.0	39.0	38.0
Perfluorooctanoic acid (PFOA)	4.40	12.0	14.0	21.0	20.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.80 U	2.80 U	2.70 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	2.80 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

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	MPVP-19-01	MPVP-19-01	MPVP-19-01	MPVP-19-01	MPVP-19-01
Locations:	MPVP-19-01	MPVP-19-01	MPVP-19-01	MPVP-19-01	MPVP-19-01
Field Sample ID:	MPVP-19-01-67-71	MPVP-19-01-7-11	MPVP-19-01-77-81	MPVP-19-01-87-91	MPVP-19-01-96-100
Sample Begin Depth:	67.00	7.00	77.00	87.00	96.00
Sample End Depth:	71.00	11.00	81.00	91.00	100.00
Sample Date:	03/27/2019	03/26/2019	03/27/2019	03/27/2019	03/27/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	18.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.10 U	9.20 U	9.20 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.10 U	9.20 U	9.20 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.10 U	9.20 U	9.20 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	10.0	0.910 U	12.0	4.10	3.70
Perfluorodecanoic acid (PFDA)	0.920 U	0.910 U	0.920 U	0.920 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)	9.70	1.40 U	9.40	1.50 J	1.30 J
Perfluorohexanesulfonic acid (PFHxS)	72.0	0.910 U	75.0	23.0	20.0
Perfluorohexanoic acid (PFHxA)	17.0	0.910 U	18.0	5.30	4.90
Perfluorononanoic acid (PFNA)	1.40 J	1.40 U	0.750 J	1.40 U	1.40 U
Perfluorooctanesulfonic acid (PFOS)	39.0	2.70 U	38.0	11.0	9.40
Perfluorooctanoic acid (PFOA)	21.0	1.40 U	21.0	4.50	4.60
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.70 U	2.80 U	2.80 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.70 U	2.80 U	2.80 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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	MPVP-19-01 (FD)	MPVP-19-02	MPVP-19-02	MPVP-19-02	MPVP-19-02
Locations:	MPVP-19-01 (FD)	MPVP-19-02	MPVP-19-02	MPVP-19-02	MPVP-19-02
Field Sample ID:	A2-VP-DUP-R2-032619	MPVP-19-02-17-21	MPVP-19-02-27-31	MPVP-19-02-37-41	MPVP-19-02-47-51
Sample Begin Depth:	37.00	17.00	27.00	37.00	47.00
Sample End Depth:	41.00	21.00	31.00	41.00	51.00
Sample Date:	03/26/2019	04/16/2019	04/16/2019	04/16/2019	04/16/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	18.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.10 U	9.20 U	9.20 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.10 U	9.20 U	9.20 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.10 U	9.20 U	9.20 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	7.30	2.60	5.20	7.40	9.40
Perfluorodecanoic acid (PFDA)	0.920 U	0.910 U	0.630 J	0.920 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)	7.10	5.90	17.0	36.0	21.0
Perfluorohexanesulfonic acid (PFHxS)	58.0	40.0	72.0	74.0	61.0
Perfluorohexanoic acid (PFHxA)	11.0	7.40	27.0	53.0	30.0
Perfluorononanoic acid (PFNA)	1.30 J	1.30 J	3.00	4.20	2.40
Perfluorooctanesulfonic acid (PFOS)	34.0	29.0	51.0	54.0	42.0
Perfluorooctanoic acid (PFOA)	15.0	9.50	23.0	45.0	32.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.70 U	2.80 U	2.80 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.70 U	2.80 U	2.80 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.80 U	1.40 U	1.40 U

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	MPVP-19-02	MPVP-19-02	MPVP-19-02	MPVP-19-02	MPVP-19-02
Locations:	MPVP-19-02	MPVP-19-02	MPVP-19-02	MPVP-19-02	MPVP-19-02
Field Sample ID:	MPVP-19-02-57-61	MPVP-19-02-67-71	MPVP-19-02-7-11	MPVP-19-02-77-81	MPVP-19-02-87-91
Sample Begin Depth:	57.00	67.00	7.00	77.00	87.00
Sample End Depth:	61.00	71.00	11.00	81.00	91.00
Sample Date:	04/17/2019	04/17/2019	04/16/2019	04/17/2019	04/17/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	18.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.10 U	9.10 U	9.10 U	9.00 U	9.20 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.10 U	9.10 U	9.10 U	9.00 U	9.20 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.10 U	9.10 U	9.10 U	9.00 U	9.20 U
Perfluorobutanesulfonic acid (PFBS)	9.80	9.60	0.600 J	10.0	11.0
Perfluorodecanoic acid (PFDA)	3.70	0.910 U	0.910 U	0.900 U	0.920 U
Perfluorododecanoic acid (PFDoA)	5.50	1.40 U	0.480 J	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	15.0	10.0	1.40 U	11.0	5.60
Perfluorohexanesulfonic acid (PFHxS)	49.0	39.0	1.80 U	40.0	38.0
Perfluorohexanoic acid (PFHxA)	22.0	16.0	0.680 J	16.0	11.0
Perfluorononanoic acid (PFNA)	2.50	1.20 J	1.40 U	1.80	1.40 U
Perfluorooctanesulfonic acid (PFOS)	34.0	33.0	1.40 J	30.0	32.0
Perfluorooctanoic acid (PFOA)	27.0	24.0	1.40 U	22.0	16.0
Perfluorotetradecanoic acid (PFTA)	0.770 J	2.70 U	2.70 U	2.70 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	1.60 J	2.70 U	2.70 U	2.70 U	2.80 U
Perfluoroundecanoic acid (PFUnA)	12.0	1.40 U	1.40 U	1.40 U	1.40 U

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	Locations: MPVP-19-02	MPVP-19-02 (FD)	MPVP-19-02 (FD)	MPVP-19-03	MPVP-19-03
Field Sample ID:	MPVP-19-02-93-97	A2-VP-DUP-R1-041719	A2-VP-DUP-R1-41619	MPVP-19-03-17-21	MPVP-19-03-27-31
Sample Begin Depth:	93.00	87.00	27.00	17.00	27.00
Sample End Depth:	97.00	91.00	31.00	21.00	31.00
Sample Date:	04/18/2019	04/17/2019	04/16/2019	04/01/2019	04/01/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	18.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.10 U	9.20 U	9.10 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.10 U	9.20 U	9.10 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.10 U	9.20 U	9.10 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	6.90	11.0	5.30	3.90	3.40
Perfluorodecanoic acid (PFDA)	0.920 U	0.910 U	0.920 U	0.870 J	0.830 J
Perfluorododecanoic acid (PFDoA)	1.40 U	12.0	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	4.70	5.40	17.0	15.0	8.70
Perfluorohexanesulfonic acid (PFHxS)	25.0	39.0	73.0	51.0	42.0
Perfluorohexanoic acid (PFHxA)	8.10	11.0	27.0	25.0	15.0
Perfluorononanoic acid (PFNA)	1.40 U	1.40 U	2.60	4.40	3.70
Perfluorooctanesulfonic acid (PFOS)	22.0	31.0	50.0	72.0	55.0
Perfluorooctanoic acid (PFOA)	14.0	15.0	23.0	22.0	15.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	4.00	2.70 U	2.70 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.80 U	12.0	2.70 U	2.70 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.80 U	1.40 U	1.40 U	1.40 U

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	MPVP-19-03	MPVP-19-03	MPVP-19-03	MPVP-19-03	MPVP-19-03
Locations:	MPVP-19-03	MPVP-19-03	MPVP-19-03	MPVP-19-03	MPVP-19-03
Field Sample ID:	MPVP-19-03-37-41	MPVP-19-03-47-51	MPVP-19-03-57-61	MPVP-19-03-67-71	MPVP-19-03-7-11
Sample Begin Depth:	37.00	47.00	57.00	67.00	7.00
Sample End Depth:	41.00	51.00	61.00	71.00	11.00
Sample Date:	04/01/2019	04/02/2019	04/02/2019	04/02/2019	04/01/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	18.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.20 U	9.20 U	9.10 U	9.20 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.20 U	9.20 U	9.10 U	9.20 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.20 U	9.20 U	9.10 U	9.20 U
Perfluorobutanesulfonic acid (PFBS)	4.10	4.90	7.10	2.90	3.50
Perfluorodecanoic acid (PFDA)	1.10 J	0.450 J	0.920 U	0.910 U	0.920 J
Perfluorododecanoic acid (PFDoA)	43.0	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	20.0	27.0	9.40	4.80	23.0
Perfluorohexanesulfonic acid (PFHxS)	44.0	52.0	24.0	17.0	56.0
Perfluorohexanoic acid (PFHxA)	29.0	34.0	9.20	9.40	40.0
Perfluorononanoic acid (PFNA)	4.30	4.00	4.00	1.60 J	4.80
Perfluorooctanesulfonic acid (PFOS)	52.0	44.0	21.0	16.0	88.0
Perfluorooctanoic acid (PFOA)	23.0	30.0	20.0	13.0	30.0
Perfluorotetradecanoic acid (PFTA)	9.60	2.70 U	2.80 U	2.70 U	2.80 U
Perfluorotridecanoic acid (PFTrDA)	26.0	2.70 U	2.80 U	2.70 U	2.80 U
Perfluoroundecanoic acid (PFUnA)	7.40	1.40 U	1.40 U	1.40 U	1.40 U

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	MPVP-19-03	MPVP-19-03 (FD)	MPVP-19-04	MPVP-19-04	MPVP-19-04
Locations:	MPVP-19-03	MPVP-19-03 (FD)	MPVP-19-04	MPVP-19-04	MPVP-19-04
Field Sample ID:	MPVP-19-03-72-76	A2-VP-DUP-R2-040219	MPVP-19-04-17-21	MPVP-19-04-27-31	MPVP-19-04-37-41
Sample Begin Depth:	72.00	57.00	17.00	27.00	37.00
Sample End Depth:	76.00	61.00	21.00	31.00	41.00
Sample Date:	04/03/2019	04/02/2019	06/04/2019	06/04/2019	06/04/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	18.0 U	9.80 J	20.0 U	20.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.10 U	9.60 U	9.90 U	9.80 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.10 U	9.60 U	9.90 U	9.80 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.10 U	9.60 U	9.90 U	9.80 U
Perfluorobutanesulfonic acid (PFBS)	2.70	7.10	1.80 J	1.60 J	1.60 J
Perfluorodecanoic acid (PFDA)	0.920 U	0.910 U	0.960 U	0.600 J	0.980 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.40 U	1.50 U	1.50 U
Perfluoroheptanoic acid (PFHpA)	5.00	8.90	12.0	26.0	17.0
Perfluorohexanesulfonic acid (PFHxS)	17.0	24.0	5.60	7.60	6.20
Perfluorohexanoic acid (PFHxA)	10.0	9.10	8.30	16.0	12.0
Perfluorononanoic acid (PFNA)	1.80	3.80	4.10	8.50	3.80
Perfluorooctanesulfonic acid (PFOS)	18.0	21.0	4.70	11.0	5.70
Perfluorooctanoic acid (PFOA)	13.0	20.0	33.0	38.0	22.0
Perfluorotetradecanoic acid (PFTA)	2.70 U	2.70 U	2.90 U	3.00 U	2.90 U
Perfluorotridecanoic acid (PFTrDA)	2.70 U	2.70 U	2.90 U	3.00 U	2.90 U
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	1.40 U	1.50 U	1.50 U

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	MPVP-19-04	MPVP-19-04	MPVP-19-06	MPVP-19-06	MPVP-19-06
Locations:	MPVP-19-04	MPVP-19-04	MPVP-19-06	MPVP-19-06	MPVP-19-06
Field Sample ID:	MPVP-19-04-47-51	MPVP-19-04-56-60	MPVP-19-06-17-21	MPVP-19-06-27-31	MPVP-19-06-37-41
Sample Begin Depth:	47.00	56.00	17.00	27.00	37.00
Sample End Depth:	51.00	60.00	21.00	31.00	41.00
Sample Date:	06/04/2019	06/05/2019	04/24/2019	04/25/2019	04/25/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	20.0 U	20.0 U	19.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.80 U	9.90 U	9.30 U	9.20 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.80 U	9.90 U	9.30 U	9.20 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.80 U	9.90 U	9.30 U	9.20 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	1.10 J	1.60 J	5.20	6.60	8.00
Perfluorodecanoic acid (PFDA)	0.980 U	0.990 U	0.930 U	0.920 U	0.910 U
Perfluorododecanoic acid (PFDoA)	1.50 U	1.50 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	16.0	15.0	21.0	9.30	15.0
Perfluorohexanesulfonic acid (PFHxS)	4.80	8.60	57.0	55.0	83.0
Perfluorohexanoic acid (PFHxA)	12.0	13.0	28.0	12.0	21.0
Perfluorononanoic acid (PFNA)	5.10	3.40	3.10	2.90	1.80
Perfluorooctanesulfonic acid (PFOS)	5.40	6.30	42.0	38.0	68.0
Perfluorooctanoic acid (PFOA)	25.0	24.0	28.0	19.0	29.0
Perfluorotetradecanoic acid (PFTA)	2.90 U	3.00 U	2.80 U	2.80 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	2.90 U	3.00 U	2.80 U	2.80 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.50 U	1.50 U	1.40 U	0.700 J	1.40 U

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	MPVP-19-06	MPVP-19-06	MPVP-19-06	MPVP-19-06	MPVP-19-06
Locations:	MPVP-19-06	MPVP-19-06	MPVP-19-06	MPVP-19-06	MPVP-19-06
Field Sample ID:	MPVP-19-06-47-51	MPVP-19-06-57-61	MPVP-19-06-67-71	MPVP-19-06-7-11	MPVP-19-06-77-81
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:	04/25/2019	04/25/2019	04/25/2019	04/24/2019	04/25/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	18.0 U	18.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.30 U	9.20 U	9.20 U	9.10 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.30 U	9.20 U	9.20 U	9.10 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.30 U	9.20 U	9.20 U	9.10 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	14.0	7.30	7.30	1.10 J	5.20
Perfluorodecanoic acid (PFDA)	0.930 U	0.920 U	0.920 U	0.910 U	0.910 U
Perfluorododecanoic acid (PFDoA)	8.20	1.40 U	1.40 U	1.40 U	1.40 U
Perfluoroheptanoic acid (PFHpA)	5.20	13.0	13.0	5.40	14.0
Perfluorohexanesulfonic acid (PFHxS)	180	81.0	81.0	17.0	44.0
Perfluorohexanoic acid (PFHxA)	19.0	18.0	17.0	9.30	16.0
Perfluorononanoic acid (PFNA)	1.40 U	1.90	2.10	1.40 J	3.70
Perfluorooctanesulfonic acid (PFOS)	82.0	64.0	66.0	26.0	31.0
Perfluorooctanoic acid (PFOA)	37.0	26.0	25.0	10.0	25.0
Perfluorotetradecanoic acid (PFTA)	1.10 J	2.80 U	2.80 U	2.70 U	2.70 U
Perfluorotridecanoic acid (PFTrDA)	4.20	2.80 U	2.80 U	2.70 U	2.70 U
Perfluoroundecanoic acid (PFUnA)	1.00 J	1.40 U	1.40 U	1.40 U	1.40 U

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	Locations: MPVP-19-06	MPVP-19-06 (FD)	MPVP-19-07	MPVP-19-07	MPVP-19-07
Field Sample ID:	MPVP-19-06-85.5-89.5	A2-VP-DUP-R1-42419	MPVP-19-07-17-21	MPVP-19-07-27-31	MPVP-19-07-37-41
Sample Begin Depth:	85.50	17.00	17.00	27.00	37.00
Sample End Depth:	89.50	21.00	21.00	31.00	41.00
Sample Date:	04/26/2019	04/24/2019	04/04/2019	04/04/2019	04/04/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	20.0 U	19.0 U	19.0 U	18.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.80 U	9.30 U	9.30 U	9.20 U	9.30 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.80 U	9.30 U	9.30 U	9.20 U	9.30 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.80 U	9.30 U	9.30 U	9.20 U	9.30 U
Perfluorobutanesulfonic acid (PFBS)	6.40	5.40	2.70	6.00	6.70
Perfluorodecanoic acid (PFDA)	0.980 U	0.930 U	0.930 U	0.920 U	0.930 U
Perfluorododecanoic acid (PFDoA)	1.50 U	7.00 J	1.40 U	1.50 UJ	1.40 UJ
Perfluoroheptanoic acid (PFHpA)	11.0	22.0	2.00	10.0	21.0
Perfluorohexanesulfonic acid (PFHxS)	49.0	58.0	31.0	78.0	71.0
Perfluorohexanoic acid (PFHxA)	12.0	29.0	4.20	13.0	31.0
Perfluorononanoic acid (PFNA)	3.20	3.50	1.40 U	2.60	3.80
Perfluorooctanesulfonic acid (PFOS)	37.0	39.0	9.10	35.0	43.0
Perfluorooctanoic acid (PFOA)	23.0	26.0	4.70	19.0	33.0
Perfluorotetradecanoic acid (PFTA)	2.90 U	9.40 J	2.80 U	2.90 UJ	2.90 UJ
Perfluorotridecanoic acid (PFTrDA)	2.90 U	15.0 J	2.80 U	2.90 UJ	2.90 UJ
Perfluoroundecanoic acid (PFUnA)	1.50 U	0.870 J	1.40 U	7.50	1.40 U

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	MPVP-19-07	MPVP-19-07	MPVP-19-07	MPVP-19-07	MPVP-19-07
Locations:	MPVP-19-07	MPVP-19-07	MPVP-19-07	MPVP-19-07	MPVP-19-07
Field Sample ID:	MPVP-19-07-47-51	MPVP-19-07-57-61	MPVP-19-07-67-71	MPVP-19-07-7-11	MPVP-19-07-77-81
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:	04/04/2019	04/04/2019	04/05/2019	04/04/2019	04/05/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	19.0 U	18.0 U	18.0 U	18.0 U	24.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.40 U	9.20 U	9.20 U	9.10 U	12.0 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.40 U	9.20 U	9.20 U	9.10 U	12.0 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.40 U	9.20 U	9.20 U	9.10 U	12.0 U
Perfluorobutanesulfonic acid (PFBS)	6.50	6.50	6.90	0.910 U	6.00
Perfluorodecanoic acid (PFDA)	0.940 U	0.690 J	0.920 U	0.910 U	0.870 J
Perfluorododecanoic acid (PFDoA)	1.40 U	1.50 UJ	1.40 U	1.50 UJ	2.00 UJ
Perfluoroheptanoic acid (PFHpA)	17.0	23.0	20.0	1.40 U	14.0
Perfluorohexanesulfonic acid (PFHxS)	73.0	65.0	74.0	0.820 J	62.0
Perfluorohexanoic acid (PFHxA)	23.0	30.0	26.0	0.910 U	20.0
Perfluorononanoic acid (PFNA)	3.40	4.30	3.90	1.40 U	3.00
Perfluorooctanesulfonic acid (PFOS)	40.0	46.0	42.0	2.70 U	31.0
Perfluorooctanoic acid (PFOA)	28.0	32.0	31.0	0.760 J	22.0
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.90 UJ	2.80 U	2.90 UJ	4.00 UJ
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.90 UJ	2.80 U	2.90 UJ	4.00 UJ
Perfluoroundecanoic acid (PFUnA)	1.40 U	2.00	1.40 U	1.40 U	11.0

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	MPVP-19-07	MPVP-19-07	MPVP-19-08	MPVP-19-08	MPVP-19-08
Locations:	MPVP-19-07	MPVP-19-07	MPVP-19-08	MPVP-19-08	MPVP-19-08
Field Sample ID:	MPVP-19-07-87-91	MPVP-19-07-93.5-97.5	MPVP-19-08-37-41	MPVP-19-08-47-51	MPVP-19-08-57-61
Sample Begin Depth:	87.00	93.50	37.00	47.00	57.00
Sample End Depth:	91.00	97.50	41.00	51.00	61.00
Sample Date:	04/05/2019	04/05/2019	04/03/2019	04/03/2019	04/04/2019
PFAS (ng/L)					
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	19.0 U	18.0 U	18.0 U	18.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.30 U	9.20 U	9.20 U	9.10 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.30 U	9.20 U	9.20 U	9.10 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.30 U	9.20 U	9.20 U	9.10 U
Perfluorobutanesulfonic acid (PFBS)	6.00	5.80	3.80	2.30	0.910 U
Perfluorodecanoic acid (PFDA)	0.920 U	0.930 U	0.530 J	0.920 U	0.910 U
Perfluorododecanoic acid (PFDoA)	1.50 UJ	1.40 U	1.40 U	1.40 U	1.50 UJ
Perfluoroheptanoic acid (PFHpA)	14.0	15.0	65.0	28.0	1.40 U
Perfluorohexanesulfonic acid (PFHxS)	53.0	53.0	27.0	16.0	0.560 J
Perfluorohexanoic acid (PFHxA)	16.0	17.0	43.0	23.0	0.560 J
Perfluorononanoic acid (PFNA)	4.60	4.50	6.50	2.10	1.40 U
Perfluorooctanesulfonic acid (PFOS)	36.0	37.0	46.0	38.0	2.70 U
Perfluorooctanoic acid (PFOA)	26.0	29.0	240	100	1.10 J
Perfluorotetradecanoic acid (PFTA)	2.90 UJ	2.80 U	2.70 U	2.80 U	2.90 UJ
Perfluorotridecanoic acid (PFTrDA)	2.90 UJ	2.80 U	2.70 U	2.80 U	2.90 UJ
Perfluoroundecanoic acid (PFUnA)	2.50	1.40 U	1.40 U	1.40 U	1.40 U

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Locations: MPVP-19-08 MPVP-19-08 MPVP-19-08			
Field Sample ID: MPVP-19-08-67-71 MPVP-19-08-77-81 MPVP-19-08-85-89			
Sample Begin Depth: 67.00 77.00 85.00			
Sample End Depth: 71.00 81.00 89.00			
Sample Date: 04/04/2019 04/04/2019 04/04/2019			
PFAS (ng/L)			
6:2 Fluorotelomer sulfonate (6:2 FTS)	18.0 U	19.0 U	19.0 U
8:2 Fluorotelomer sulfonate (8:2 FTS)	9.20 U	9.30 U	9.30 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	9.20 U	9.30 U	9.30 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	9.20 U	9.30 U	9.30 U
Perfluorobutanesulfonic acid (PFBS)	0.920 U	0.930 U	2.10
Perfluorodecanoic acid (PFDA)	0.920 U	0.930 U	0.930 U
Perfluorododecanoic acid (PFDoA)	1.40 U	1.40 U	1.50 UJ
Perfluoroheptanoic acid (PFHpA)	1.40 U	1.40 U	2.40
Perfluorohexanesulfonic acid (PFHxS)	0.940 J	4.60	29.0
Perfluorohexanoic acid (PFHxA)	0.920 U	0.930 U	10.0
Perfluorononanoic acid (PFNA)	1.40 U	1.40 U	1.40 U
Perfluorooctanesulfonic acid (PFOS)	1.20 J	10.0	49.0
Perfluorooctanoic acid (PFOA)	1.40 U	1.40 U	4.60
Perfluorotetradecanoic acid (PFTA)	2.80 U	2.80 U	2.90 UJ
Perfluorotridecanoic acid (PFTrDA)	2.80 U	2.80 U	2.90 UJ
Perfluoroundecanoic acid (PFUnA)	1.40 U	1.40 U	2.20

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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