

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				BSMW3S							BW01005			
Sample ID:				LORNG_BSMW3S_05	LORNG_BSMW3S_09	LORNG_BSMW3S_09	LORNG_BSMW3S_06	LORNG_BSMW3S_11	LORNG_BSMW3S_06	LORNG_BSMW3S_10	LORNG_BW01005_0	LORNG_BW01005_0	LORNG_BW01005_0	LORNG_BW01005_0
Sample Date:				102022	182022	182022FD	142023	012023	182024	222024	5222022	5222022FD	9182022	6132023
Sample Depth (ft bgs):				5/10/2022	9/18/2022	9/18/2022	6/14/2023	11/1/2023	6/18/2024	10/22/2024	5/22/2022	5/22/2022	9/18/2022	6/13/2023
Sample Type:				20-30	20-30	20-30	20-30	20-30	20-30	20-30	52-62	52-62	52-62	52-62
Sample Type:				N	N	FD	N	N	N	N	N	FD	N	N
Latitude:				46.96008904	46.96008904	46.96008904	46.96008904	46.96008904	46.96008904	46.96008904	46.96032754	46.96032754	46.96032754	46.96032754
Longitude:				-67.88395093	-67.88395093	-67.88395093	-67.88395093	-67.88395093	-67.88395093	-67.88395093	-67.88303408	-67.88303408	-67.88303408	-67.88303408
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	13.1	35.3	34.6	30	32	29.1	28.5	36.8	36.9	15	28
Perfluoropentanoic acid (PFPeA)	-	-	-	25.7	58.9	61.8	67	60	55.3	49.2	109	120	35.1	87
Perfluorohexanoic acid (PFHxA)	990	-	-	30.8	71.4	72.8	89	61	70	57.2	114	127	35.7	100
Perfluoroheptanoic acid (PFHpA)	-	-	-	25.2	46.9	48.7	77	47	47.2	38	51.5	54.5	17.9	36
Perfluorooctanoic acid (PFOA)	0.0027	4	-	50.8	102	105	210	100	68.4	75.2	157	181	45.5	130
Perfluorononanoic acid (PFNA)	5.9	10	-	7.7	12.5	14.4	22	17	8.5	10.8	10.1	10.3	3.2 J	7.5
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	2.2 U	1.1 J	1.6 J	1.1 J	0.67 J	0.95 J	1 U	1 U	1.9 U	0.55 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	1 U	2.2 U	2 U	1 U	0.49 U	1.9 U	2.1 U	1 U	1 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	2.2 U	2 U	2 U	0.98 U	1.9 U	2.1 U	1 U	1 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	2.2 U	2 U	2 U	0.98 U	1.9 U	2.1 U	1 U	1 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1 U	2.2 U	2 U	1 U	0.49 U	1.9 U	2.1 U	1 U	1 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	6.6	14.4	14.2	15	15	9.8	9	18.1	20.3	6.2	17
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	9.9	25.3	24.7	32	20	13.9	13.5	30.1	33.3	10.2	30
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	202	368	384	670	500	246	249	551	553	170	480
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	6.1	6.4	7.8	27	11 J+	3.6 J	6.4	27.1	32.4	7.9	21
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	362	404 J	585 J	1500	950	181	288	811	867	323	730
Perfluorononanesulfonic acid (PFNS)	-	-	-	1 U	2.2 U	2 U	1 J	0.39 J	0.59 J	1.2 J	1 U	1 U	1.2 J	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1 U	2.2 U	2 U	0.94 U	0.46 U	1.9 U	2.1 U	1 U	1 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	NA	2 U	0.98 U	3.7 U	4.1 U	NA	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	2 U	4.4 U	4 U	3.8 U	1.9 U	7.4 U	8.2 U	3.2 J	4 J	3.7 U	3.8 J
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2 U	3.2 J	3.6 J	12 J	4 J	66.7	24.2	262	343	71.4	310
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	2 U	4.4 U	4 U	7.6 U	3.7 U	7.4 U	8.2 U	5 J	5.5 J	2.1 J	5.1 J
Perfluorooctane sulfonamide (PFOSA)	-	-	-	26.4	36.9	41.7	270	120	20.1	51.5	19.5	18.5	9.3	15
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	10 U	4.4 UJ	20 UJ	2 U	0.98 U	3.7 U	4.1 U	2 U	2 U	3.7 UJ	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	NA	2 U	0.98 U	3.7 U	4.1 U	NA	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	2 U	4.4 U	4 U	1.6 J	1.5 J	3.7 U	4.1 U	2 U	2 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	2 U	4.4 U	4 U	2 U	0.98 U	3.7 U	4.1 U	2 U	2 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	NA	5 U	2.4 U	19 U	21 U	NA	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	NA	10 U	4.9 U	19 U	21 U	NA	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	NA	8 U	3.9 U	1.9 U	2.1 U	NA	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	NA	7.6 U	3.7 U	3.7 U	4.1 U	NA	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	NA	4 U	2 U	1.9 U	2.1 U	NA	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	NA	1 U	0.49 U	3.7 U	4.1 U	NA	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	NA	120 U	59 U	3.7 U	4.1 U	NA	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	NA	13 U	6.5 U	3.7 U	4.1 U	NA	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	NA	13 U	6.5 U	3.7 U	4.1 U	NA	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	NA	6.2 U	3 U	1.9 U	2.1 U	NA	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	NA	18 U	8.6 U	9.3 U	10 U	NA	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	NA	62 U	30 U	19 U	21 U	NA	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	NA	62 U	30 U	19 U	21 U	NA	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	647.7	933.4	1138.2	2480.6	1615.1	551.77	661.95	1580.6	1665.8	559.6	1384.05

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

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Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				BW01005			BW01006							
Sample ID:				LORNG_BW01005_1	LORNG_BW01005_0	LORNG_BW01005_1	LORNG_BW01006_0	LORNG_BW01006_0	LORNG_BW01006_0	LORNG_BW01006_0	LORNG_BW01006_0	LORNG_BW01006_1	LORNG_BW01006_0	LORNG_BW01006_0
Sample Date:				1012023	6072024	0212024	8032022	8032022FD	9302022	9302022FD	5112023	0202023	5162024	9272024
Sample Depth (ft bgs):				11/1/2023	6/7/2024	10/21/2024	8/3/2022	8/3/2022	9/30/2022	9/30/2022	5/11/2023	10/20/2023	5/16/2024	9/27/2024
Sample Type:				52-62	52-62	52-62	55-65	55-65	55-65	55-65	55-65	55-65	55-65	55-65
Latitude:				N	N	N	N	FD	N	FD	N	N	N	N
Longitude:				46.96032754	46.96032754	46.96032754	46.9626961	46.9626961	46.9626961	46.9626961	46.9626961	46.9626961	46.9626961	46.9626961
				-67.88303408	-67.88303408	-67.88303408	-67.8834348	-67.8834348	-67.8834348	-67.8834348	-67.8834348	-67.8834348	-67.8834348	-67.8834348
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.8 J	17.2	15.2 J	2.8 J	3.1 J	2.6 J	2.7 J	3.3 J	5.5 J	6.5 J	4.2 J
Perfluoropentanoic acid (PFPeA)	-	-	-	66	43.2	36.9	4.1	4.3	3.9	4.1	5	12	13.1	7.1 J
Perfluorohexanoic acid (PFHxA)	990	-	-	66	47.5	39.8	4.2	4	4	4.2	5.3	11	11.1	6.6
Perfluoroheptanoic acid (PFHpA)	-	-	-	29	21.3	17.2	4	3.6 J	3.6	3.9	4.8	9.6	9.2	5.5
Perfluorooctanoic acid (PFOA)	0.0027	4	-	87	52.8	45.2	6	5.5	5.1	5.2	6.8	9.7	10.4	7
Perfluorononanoic acid (PFNA)	5.9	10	-	5.3	3.8	2.9 J	2 U	2 U	1.8 U	1.8 U	0.72 J	1.2 J	1.5 J	1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.36 J	1.8 U	2 U	2 U	2 U	1.8 U	1.8 U	1 U	1.1 U	1.8 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.51 U	1.8 U	2 U	2 U	2 U	1.8 U	1.8 U	0.5 U	0.56 U	1.8 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.8 U	2 U	2 U	2 U	8.9 U	8.9 U	1 U	1.1 U	1.8 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.8 U	2 U	2 U	2 U	8.9 U	8.9 U	1 U	1.1 U	1.8 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.51 U	1.8 U	2 U	2 U	2 U	1.8 U	8.9 U	0.5 U	0.56 U	1.8 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	11	7.3	6.5	2.7 J	2.5 J	2.7 J	2.9 J	1.8	3.4	2.1 J	2.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	26	11.1	9.9	2.8 J	2.7 J	3 J	3.2 J	1.9	3.7	2 J	2.2 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	340	227	167	35	32.2	38.7	39.7	40	64	50.5	35.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	17	7.4	6.4	2 U	2 U	0.93 J	0.99 J	0.73 J	0.96 J	1.2 J	0.91 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	550	302	242	26.6	26.7	22.6	22.7	29	43	45.5	26.8
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.97 U	1.8 U	0.87 J	2 U	2 U	1.8 U	1.8 U	0.94 U	1.1 U	1.8 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.48 U	1.8 U	2 U	2 U	2 U	1.8 U	1.8 U	0.47 U	0.53 U	1.8 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	3.7 U	3.9 U	NA	NA	NA	NA	1 U	1.1 U	3.6 U	3.6 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	2.2 J	7.3 U	7.8 U	4 U	4 U	3.6 U	3.6 U	1.9 U	2.1 U	7.2 U	7.3 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	190	73.7	73	4 U	4 U	3.6 U	3.6 U	1.9 U	2.1 U	7.2 U	7.4 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 J	7.3 U	7.8 U	4 U	4 U	3.6 U	3.6 U	3.8 U	4.3 U	7.2 U	7.3 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	16	8.7	8.6	2 U	2 U	1.8 U	1.8 U	0.25 U	0.84 J	1.8 U	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	3.7 U	3.9 U	4 U	0 R	18 U	18 UJ	1 U	1.1 UJ	3.6 U	3.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	3.7 U	3.9 U	NA	NA	NA	NA	1 U	1.1 UJ	3.6 U	3.6 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	3.7 U	3.9 U	4 U	4 U	3.6 U	3.6 U	1 U	1.1 U	3.6 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	3.7 U	3.9 U	4 U	4 U	3.6 U	3.6 U	1 U	1.1 U	3.6 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.6 U	18 U	20 U	NA	NA	NA	NA	2.5 U	2.8 UJ	18 UJ	18 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5.1 U	18 U	20 U	NA	NA	NA	NA	5 U	5.6 U	18 UJ	18 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4.1 U	1.8 U	2 U	NA	NA	NA	NA	4 U	4.5 U	1.8 U	1.8 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.9 U	3.7 U	3.9 U	NA	NA	NA	NA	3.8 U	4.3 U	3.6 U	3.6 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 U	2 U	NA	NA	NA	NA	2 U	2.3 U	1.8 U	1.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.51 U	3.7 U	3.9 U	NA	NA	NA	NA	0.5 U	0.56 U	3.6 U	3.6 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	62 U	3.7 U	3.9 U	NA	NA	NA	NA	60 U	68 U	3.6 U	3.6 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.8 U	3.7 U	3.9 U	NA	NA	NA	NA	6.6 U	7.4 U	3.6 U	3.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.8 U	3.7 U	3.9 U	NA	NA	NA	NA	6.6 U	7.4 U	3.6 U	3.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.2 U	1.8 U	2 U	NA	NA	NA	NA	3.1 U	3.5 U	1.8 U	1.8 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	9.2 U	9.8 U	NA	NA	NA	NA	8.8 U	9.9 UJ	9 U	9.1 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	32 U	18 U	20 U	NA	NA	NA	NA	31 U	35 U	18 U	18 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	32 U	18 U	20 U	NA	NA	NA	NA	31 U	35 U	18 U	18 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1011.66	606.9	474.3	71.6	68	70	71.5	81.32	127.5	117.1	76.2

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				BW01007						BW01008				
Sample ID:				LORNG_BW01007_0	LORNG_BW01007_0	LORNG_BW01007_0	LORNG_BW01007_1	LORNG_BW01007_0	LORNG_BW01007_1	LORNG_BW01008_0	LORNG_BW01008_0	LORNG_BW01008_0	LORNG_BW01008_0	LORNG_BW01008_1
Sample Date:				8062022	9302022	5242023	1012023	6102024	0042024	8062022	9302022	6152023	6152023FD	1022023
Sample Depth (ft bgs):				8/6/2022	9/30/2022	5/24/2023	11/1/2023	6/10/2024	10/4/2024	8/6/2022	9/30/2022	6/15/2023	6/15/2023	11/2/2023
Sample Type:				55-65	55-65	55-65	55-65	55-65	55-65	65-75	65-75	65-75	65-75	65-75
Sample Type:				N	N	N	N	N	N	N	N	N	FD	N
Latitude:				46.9613576	46.9613576	46.9613576	46.9613576	46.9613576	46.9613576	46.9631943	46.9631943	46.9631943	46.9631943	46.9631943
Longitude:				-67.8797507	-67.8797507	-67.8797507	-67.8797507	-67.8797507	-67.8797507	-67.8755753	-67.8755753	-67.8755753	-67.8755753	-67.8755753
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	13.2	22.5	23	27	22.6	19.8	4.7 J	11.5	4.2 J	4.2 J	5.9 J
Perfluoropentanoic acid (PFPeA)	-	-	-	41.8	67.9	74	80	70.3	59	12.9	42.6	10	11	17
Perfluorohexanoic acid (PFHxA)	990	-	-	54.2	92.1	98	110	95.9	81.7	15.3	52.9	16	17	24
Perfluoroheptanoic acid (PFHpA)	-	-	-	20.8	37.1	36	38	37.6	31.2	4.4	15	5.6	5.3	6.8
Perfluorooctanoic acid (PFOA)	0.0027	4	-	69.2	113	110	120	104	92.4	17.2	49.9	26	23	28
Perfluorononanoic acid (PFNA)	5.9	10	-	3.1 J	5	5.3	6	5.6	4.5	2 U	1.3 J	0.86 J	0.86 J	1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2.1 U	1.9 U	1 U	0.35 J	1.9 U	1.9 U	2 U	1.9 U	1 U	1 U	0.98 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2.1 U	1.9 U	0.5 U	0.54 U	1.9 U	1.9 U	2 U	1.9 U	0.5 U	0.5 U	0.49 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2.1 U	1.9 U	1 U	1.1 U	1.9 U	1.9 U	2 U	9.3 U	1 U	1 U	0.98 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2.1 U	1.9 U	1 U	1.1 U	1.9 U	1.9 U	2 U	9.3 U	1 U	1 U	0.98 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2.1 U	1.9 U	0.5 U	0.54 U	1.9 U	1.9 U	2 UJ	9.3 U	0.5 U	0.5 U	0.49 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	6.8	11.2	12	12	11.9	9.4	2.5 J	8	3.7	3.8	3.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	10.1	17.1	20	30	18.1	14.6	3.6 J	12.1	5.8	5.4	5.1
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	245	403	440	480	465	430	52.8	223	120	110	110
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	7.3	12.2	10	14	11.7	10.3	2 U	3.8	1.1 J	0.97 J	1.2 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	299	498	450	480	432	444	24.6	86.1	60	59	57
Perfluorononanesulfonic acid (PFNS)	-	-	-	2.1 U	1.9 U	0.94 U	1 U	0.85 J	1.9 U	2 U	1.9 U	0.94 U	0.94 U	0.92 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2.1 U	1.9 U	0.47 U	0.5 U	1.9 U	1.9 U	2 U	1.9 U	0.47 U	0.47 U	0.46 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1.1 U	3.8 U	3.8 U	NA	NA	1 U	1 U	0.98 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4.2 U	3.7 U	1.9 U	1.8 U	7.7 U	7.7 U	4 U	3.7 U	1.9 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	13.3	21	36	28	24	15.4 J	10.7	3.7 U	1.9 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4.2 U	3 J	2.5 J	2.7 J	7.7 U	7.7 U	4 U	3.7 U	3.8 U	3.8 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	5.6	4	4.5	5.7	4.1 J	3.9	2 UJ	1.9 U	0.25 U	0.25 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4.2 U	0 R	1 U	1.1 U	3.8 U	3.8 U	0 R	0 R	1 U	1 U	0.98 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1.1 U	3.8 U	3.8 U	NA	NA	1 U	1 U	0.98 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4.2 U	3.7 U	1 U	1.1 U	3.8 U	3.8 U	4 UJ	3.7 U	1 U	1 U	0.98 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4.2 U	3.7 U	1 U	1.1 U	3.8 U	3.8 U	4 UJ	3.7 U	1 U	1 U	0.98 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.7 U	19 U	19 U	NA	NA	2.5 U	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5.4 U	19 U	19 U	NA	NA	5 U	5 U	4.9 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4.3 U	1.9 U	1.9 U	NA	NA	4 U	4 U	3.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	4.1 U	3.8 U	3.8 U	NA	NA	3.8 U	3.8 U	3.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	1.9 U	1.9 U	1.9 U	NA	NA	2 U	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.54 U	3.8 U	3.8 U	NA	NA	0.5 U	0.5 U	0.49 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	64 U	3.8 U	3.8 U	NA	NA	60 U	60 U	59 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	7.1 U	3.8 U	3.8 U	NA	NA	6.6 U	6.6 U	6.5 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	7.1 U	3.8 U	3.8 U	NA	NA	6.6 U	6.6 U	6.5 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.3 U	1.9 U	1.9 U	NA	NA	3.1 U	3.1 U	3 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	9.4 U	9.6 U	9.6 U	NA	NA	8.8 U	8.8 U	8.6 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	33 U	19 U	19 U	NA	NA	31 U	31 U	30 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	33 U	19 U	19 U	NA	NA	31 U	31 U	30 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	637.1	1056.1	1041.3	1124.35	1044.2	1002.1	99	375.3	212.46	198.16	202.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				BW01008					BW01009					
Sample ID:				LORNG_BW01008_1	LORNG_BW01008_0	LORNG_BW01008_0	LORNG_BW01008_1	LORNG_BW01008_1	LORNG_BW01009_0	LORNG_BW01009_0	LORNG_BW01009_0	LORNG_BW01009_1	LORNG_BW01009_0	LORNG_BW01009_1
Sample Date:				1022023FD	6122024	6122024FD	0162024	0162024FD	8032022	9302022	5252023	0302023	5242024	0012024
Sample Depth (ft bgs):				11/2/2023	6/12/2024	6/12/2024	10/16/2024	10/16/2024	8/3/2022	9/30/2022	5/25/2023	10/30/2023	5/24/2024	10/1/2024
Sample Type:				65-75	65-75	65-75	65-75	65-75	62-72	62-72	62-72	62-72	62-72	62-72
Latitude:				FD	N	FD	N	FD	N	N	N	N	N	N
Longitude:				46.9631943	46.9631943	46.9631943	46.9631943	46.9631943	46.9652637	46.9652637	46.9652637	46.9652637	46.9652637	46.9652637
				-67.8755753	-67.8755753	-67.8755753	-67.8755753	-67.8755753	-67.8779172	-67.8779172	-67.8779172	-67.8779172	-67.8779172	-67.8779172
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	5.7 J	4.8 J	4.6 J	11.3 J	11.1 J	24.1	21.9	19	17	16	22.6
Perfluoropentanoic acid (PFPeA)	-	-	-	16	10.5	10.1	39.8	38.9	63.4	62.6	50	47	44	62.4
Perfluorohexanoic acid (PFHxA)	990	-	-	23	17.9	17	50	47.7	66.6	65.1	50	45	43.6	61.6
Perfluoroheptanoic acid (PFHpA)	-	-	-	6.7	5.9	5.3	13.2	12.7	38.8	39.6	31	28	26.2	45.9
Perfluorooctanoic acid (PFOA)	0.0027	4	-	26	24.6	23.2	42.1	40	72.3	58	45	40	37.5	53.4
Perfluorononanoic acid (PFNA)	5.9	10	-	1.1 J	0.73 J	0.72 J	1 J	1.2 J	3.4 J	3.2 J	3	2.6	2.2 J	4.7
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.95 U	2 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1 U	1 U	1.9 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.47 U	2 U	2 U	1.9 U	1.9 U	2 U	1.9 U	0.5 U	0.51 U	1.9 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.95 U	2 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1 U	1 U	1.9 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.95 U	2 U	2 U	1.9 U	1.9 U	2 U	1.9 U	1 U	1 U	1.9 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.47 U	2 U	2 U	1.9 U	1.9 U	2 U	9.3 U	0.5 U	0.51 U	1.9 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.3	4.3	4.1	6.5	6.6	11.7	11.2	8.4	7.2	6.8	10.9
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4.7	7.2	6.5	10.1	9.7	13.9	14.1	10	8.8	7.9	14.4
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	110	140	138	198	184	216	203	160	130	140	220
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.4 J	2.3 J	2.1 J	3.2 J	3.5 J	6.2	7.1	3.6	2.5	3.9	7.1
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	60	57.1	55.7	65.6	64.7	350	324	210	190	158	258
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.89 U	2 U	2 U	1.9 U	1.9 U	2 U	1.9 U	0.94 U	0.97 U	1.9 U	1 J
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.45 U	2 U	2 U	1.9 U	1.9 U	2 U	1.9 U	0.47 U	0.48 U	1.9 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.95 U	3.9 U	4 U	3.7 U	3.8 U	NA	NA	1 U	1 U	3.8 U	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.8 U	7.8 U	7.9 U	7.5 U	7.6 U	4 U	3.7 U	1.9 U	2 U	7.5 U	8.1 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.8 U	7.8 U	7.9 U	7.5 U	7.6 U	61.6	50.5	32	28	24.2	41.6
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.6 U	7.8 U	7.9 U	7.5 U	7.6 U	28.3	31.9	21	15	11.1 J	25.7
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.24 U	2 U	2 U	1.9 U	1.9 U	5.5 J	5.7	3.6	2.6 J	2.9 J	6.8
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0.95 U	3.9 U	4 U	3.7 U	3.8 U	0 R	19 UJ	1 U	1 U	3.8 UJ	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	0.95 U	3.9 U	4 U	3.7 U	3.8 U	NA	NA	1 U	1 U	3.8 U	4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	0.95 U	3.9 U	4 U	3.7 U	3.8 U	4 U	3.7 U	1 U	1 U	3.8 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.95 U	3.9 U	4 U	3.7 U	3.8 U	4 U	3.7 U	1 U	1 U	3.8 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.4 U	20 U	20 U	19 U	19 U	NA	NA	2.5 U	2.6 U	19 UJ	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	4.7 U	20 U	20 U	19 U	19 U	NA	NA	5 U	5.1 U	19 UJ	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.8 U	2 U	2 U	1.9 U	1.9 U	NA	NA	4 U	4.1 U	1.9 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	3.9 U	4 U	3.7 U	3.8 U	NA	NA	3.8 U	3.9 U	3.8 U	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	2 U	2 U	1.9 U	1.9 U	NA	NA	2 U	2.1 U	1.9 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.47 U	3.9 U	4 U	3.7 U	3.8 U	NA	NA	0.5 U	0.51 U	3.8 U	4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	57 U	3.9 U	4 U	3.7 U	3.8 U	NA	NA	60 U	62 U	3.8 U	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.3 U	3.9 U	4 U	3.7 U	3.8 U	NA	NA	6.6 U	6.8 U	3.8 U	4 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.3 U	3.9 U	4 U	3.7 U	3.8 U	NA	NA	6.6 U	6.8 U	3.8 U	4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.9 U	2 U	2 U	1.9 U	1.9 U	NA	NA	3.1 U	3.2 U	1.9 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.3 U	9.8 U	9.9 U	9.3 U	9.5 U	NA	NA	8.8 U	9 U	9.4 U	10 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	29 U	20 U	20 U	19 U	19 U	NA	NA	31 U	32 U	19 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	29 U	20 U	20 U	19 U	19 U	NA	NA	31 U	32 U	19 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	203.8	228.33	222.92	319.9	302.6	680.5	627.8	449	390.6	363.9	582

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				BW01010D	BW01010S	JBW8003B						JBW8004B		
Sample ID:				LORNG_BW01010D_	LORNG_BW01010S_	LORNG_JBW8003B_	LORNG_JMW8003B_	LORNG_JBW8003B_	LORNG_JBW8003B_	LORNG_JBW8003B_	LORNG_JBW8003B_	LORNG_JMW8004B_	LORNG_JMW8004B_	LORNG_JBW8004B_
Sample Date:				10/23/2024	10/23/2024	05/23/2022	09/17/2022	06/14/2023	11/1/2023	06/18/2024	10/11/2024	05/23/2022	09/17/2022	06/13/2023
Sample Depth (ft bgs):				151-161	75-85	68-78	68-78	68-78	68-78	68-78	68-78	61-71	61-71	61-71
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.95899926	46.95899973	46.96215573	46.96215573	46.96215573	46.96215573	46.96215573	46.96215573	46.96424709	46.96424709	46.96424709
Longitude:				-67.87462661	-67.874627	-67.8805434	-67.8805434	-67.8805434	-67.8805434	-67.8805434	-67.8805434	-67.87816781	-67.87816781	-67.87816781
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	57.2	4.6 J	41.8	27.4	32 J	31	24.6	23.3	54.3	45.9	63 J
Perfluoropentanoic acid (PFPeA)	-	-	-	2 J	2.7 U	119	71.8	83 J	76	62.5	61.1	174	140	200 J
Perfluorohexanoic acid (PFHxA)	990	-	-	7	0.93 J	304	169	210	220	158	139	311	276	390 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	7.5	2.7 U	97	57.5	70	63	51.2	45	113	96	130 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	16.4	1 J	308	175	200	170	143	131	317	271	350 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.3 J	2.7 U	20.7	12.5	18	15	13.7	11.9	17.3	17.2	25 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2.5 U	2.7 U	1 U	1.9 U	10 U	1 J	0.98 J	0.82 J	1.6 J	1.5 J	10 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	2.5 U	2.7 U	1 U	1.9 U	5 U	0.52 U	1.9 U	2 U	1 U	2 U	5 UJ
Perfluorododecanoic acid (PFDoA)	-	-	-	2.5 U	2.7 U	1 U	1.9 U	10 U	1 U	1.9 U	2 U	1 U	2 U	10 UJ
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2.5 U	2.7 U	1 U	1.9 U	10 U	1 U	1.9 U	2 U	1 U	2 U	10 UJ
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2.5 U	2.7 U	1 U	1.9 U	5 U	0.52 U	1.9 U	2 U	1 U	2 U	5 UJ
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.5 U	2.7 U	35.5	20	27 J	24 J-	19.1	16.5	38.7	31.3	43 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5 U	5.5 U	46	25.4	32	55 J+	26.5	19.7	52.9	47.8	68 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.91 J	2.7 U	1160	779	1100	910 J+	750	585	1300	1210	1700 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2.5 U	2.7 U	24	15.4	15	24 J+	12.1	11.2	30.2	33.4	30 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	7.6	2.7 U	1490	1240	1400	1100	900	774	1630	1710	1900 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	2.5 U	2.7 U	1 U	1.9 U	9.4 U	0.58 J+	2.2 J	2 J	1 U	4.1	9.4 UJ
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2.5 U	2.7 U	1 U	1.9 U	4.7 U	0.49 U	1.9 U	2 U	1 U	2 U	4.7 UJ
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	5 U	5.5 U	NA	NA	10 U	1 U	3.8 U	4 U	NA	NA	10 UJ
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	10 U	11 U	2 U	3.7 U	19 U	1.7 U	7.5 U	8 U	2 U	4 U	19 UJ
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	10 U	11 U	53	26.2	27 J	32	20.8	19.5 J	140	119	140 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	10 U	11 U	21.6	22.5	30 J	18	19.6	18.8 J	49.4	49.3	56 J
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2.9 J	1.1 J	15.5	15	22 J	14	13.3	13.5	32	31.1	44 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	5 U	5.5 U	20 U	37 U	10 U	1 U	3.8 U	4 U	40 UJ	4 U	10 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	5 U	5.5 U	NA	NA	10 U	0.9 U	3.8 U	4 U	NA	NA	10 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	2.2 J	5.5 U	2 U	3.7 U	10 U	1 U	3.8 U	4 U	2 U	4 U	10 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.2 J-	5.5 UJ	2 U	3.7 U	10 U	0.9 U	3.8 U	4 U	2 U	4 U	10 UJ
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	25 U	27 U	NA	NA	25 U	2.6 U	19 U	20 U	NA	NA	25 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	25 U	27 U	NA	NA	50 U	4.5 U	19 U	20 U	NA	NA	50 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2.5 U	2.7 U	NA	NA	40 U	4.2 U	1.9 U	2 U	NA	NA	40 UJ
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	5 U	5.5 U	NA	NA	38 U	3.9 U	3.8 U	4 U	NA	NA	38 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.5 U	2.7 U	NA	NA	20 U	1.8 U	1.9 U	2 U	NA	NA	20 UJ
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	5 U	5.5 U	NA	NA	5 U	0.52 U	3.8 U	4 U	NA	NA	5 UJ
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	5 U	5.5 U	NA	NA	600 U	62 U	3.8 U	4 U	NA	NA	600 UJ
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	5 U	5.5 U	NA	NA	66 U	6.9 U	3.8 U	4 U	NA	NA	66 UJ
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	5 U	5.5 U	NA	NA	66 U	6.9 U	3.8 U	4 U	NA	NA	66 UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.5 U	2.7 U	NA	NA	31 U	3.2 U	1.9 U	2 U	NA	NA	31 UJ
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	13 U	14 U	NA	NA	88 U	9.1 U	9.4 U	10 U	NA	NA	88 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	25 U	27 U	NA	NA	310 U	32 U	19 U	20 U	NA	NA	310 UJ
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	25 U	27 U	NA	NA	310 U	32 U	19 U	20 U	NA	NA	310 UJ
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	33.71	1	3075.7	2264	2788	2259	1858.88	1547.72	3378.9	3305.7	4105

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				JBW8004B			JMW2680		JMW8011					
Sample ID:				LORNG_JBW8004B_	LORNG_JBW8004B_	LORNG_JBW8004B_	LORNG_JMW2680_0	LORNG_JMW2680_0	LORNG_JMW8011_0	LORNG_JMW8011_0	LORNG_JMW8011_0	LORNG_JMW8011_0	LORNG_JMW8011_1	LORNG_JMW8011_0
Sample Date:				11022023	06112024	10222024	6122024	9242024	5232022	9172022	9172022FD	6132023	1022023	6112024
Sample Depth (ft bgs):				11/2/2023	6/11/2024	10/22/2024	6/12/2024	9/24/2024	5/23/2022	9/17/2022	9/17/2022	6/13/2023	11/2/2023	6/11/2024
Sample Type:				61-71	61-71	61-71	16-26	16-26	34-44	34-44	34-44	34-44	34-44	34-44
Latitude:				N	N	N	N	N	N	N	FD	N	N	N
Longitude:				46.96424709	46.96424709	46.96424709	46.96528492	46.96528492	46.96428873	46.96428873	46.96428873	46.96428873	46.96428873	46.96428873
Maine Sum of 6 MCL (ng/L)				-67.87816781	-67.87816781	-67.87816781	-67.86949838	-67.86949838	-67.87813136	-67.87813136	-67.87813136	-67.87813136	-67.87813136	-67.87813136
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	58 J	58	53	3.8 U	4 U	55.5	51.4	50.6	63 J	53 J	62.2
Perfluoropentanoic acid (PFPeA)	-	-	-	170	161	150	1.9 U	2 U	182	157	152	200	160	172
Perfluorohexanoic acid (PFHxA)	990	-	-	340	337	311	1.9 U	0.7 J	342	325	314	420	330	392
Perfluoroheptanoic acid (PFHpA)	-	-	-	110	115	100	1.9 U	2 U	116	106	104	130	95	128
Perfluorooctanoic acid (PFOA)	0.0027	4	-	300	284	268	0.71 J	0.82 J	343	322	323	380	290	318
Perfluorononanoic acid (PFNA)	5.9	10	-	21	18.6	20	1.9 U	2 U	18.8	21	21	29	22	23.4
Perfluorodecanoic acid (PFDA)	0.004	-	-	10 U	1.5 J	1.9 J	1.9 U	2 U	1.8 J	2 J	1.9 J	10 U	9.1 U	2 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	5 U	2.1 U	1.9 U	1.9 U	2 U	1 U	1.9 U	2 U	5 U	4.6 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	10 U	2.1 U	1.9 U	1.9 U	2 U	1 U	1.9 U	2 U	10 U	9.1 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	10 U	2.1 U	1.9 U	1.9 U	2 U	1 U	1.9 U	2 U	10 U	9.1 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	5 U	2.1 U	1.9 U	1.9 U	2 U	1 U	1.9 U	2 U	5 U	4.6 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	40	36.9	36.4	1.9 U	2 U	39.7	36.6	35.1	48	38	43.6
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	52	58.3	56.3	3.8 U	4 U	56.9	56.9	54.7	68	53	70.5 J-
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1400	1650	1460	3.3 J	4.5	1440	1410	1450	2000	1700	2040
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	23	35	34.8	1.9 U	2 U	32.7	39.5	39.8	29	22	35.9
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1800	1810	1470	2.6 J	3.4 J	2020	2150	2170	2100	1600	2260
Perfluorononanesulfonic acid (PFNS)	-	-	-	9.4 U	4.4 J	5.4 J	1.9 U	2 U	1 U	5.9	5.8	9.4 U	8.6 U	4.4
Perfluorodecanesulfonic acid (PFDS)	-	-	-	4.7 U	2.1 U	0.64 J	1.9 U	2 U	1 U	1.9 U	2 U	4.7 U	4.3 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	10 U	4.2 U	3.7 U	3.8 U	4 U	NA	NA	NA	10 U	9.1 U	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	19 U	8.3 U	7.4 U	7.5 U	8 U	2.4 J	2.4 J	2.6 J	19 U	17 U	7.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	140	136	112	7.5 U	8 U	157	141	140	170	120	145
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	48 J	56	41.7	7.5 U	8 U	51.7	53.9	52	66	38 J	42.3
Perfluorooctane sulfonamide (PFOSA)	-	-	-	33	31.1	32.2	1.9 U	2 U	36.4	39.4	39.1	45	26	38.5
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	10 U	4.2 U	3.7 U	3.8 U	4 U	40 U	37 UJ	4 U	10 U	9.1 U	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	10 U	4.2 U	3.7 U	3.8 U	4 U	NA	NA	NA	10 U	9.1 U	4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	10 U	4.2 U	3.7 U	3.8 U	4 U	2 U	3.7 U	4 U	10 U	9.1 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	10 U	4.2 U	3.7 U	3.8 U	4 U	2 U	3.7 U	4 U	10 U	9.1 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	25 U	21 U	19 U	19 U	20 U	NA	NA	NA	25 U	23 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	50 U	21 U	19 U	19 U	20 U	NA	NA	NA	50 U	46 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	40 U	2.1 U	1.9 U	1.9 U	2 U	NA	NA	NA	40 U	36 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	38 U	4.2 U	3.7 U	3.8 U	4 U	NA	NA	NA	38 U	35 U	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	20 U	2.1 U	1.9 U	1.9 U	2 U	NA	NA	NA	20 U	18 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	5 U	4.2 U	3.7 U	3.8 U	4 U	NA	NA	NA	5 U	4.6 U	4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	600 U	4.2 U	3.7 U	3.8 U	4 U	NA	NA	NA	600 U	550 U	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	66 U	4.2 U	3.7 U	3.8 U	4 U	NA	NA	NA	66 U	60 U	4 U
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	66 U	4.2 U	3.7 U	3.8 U	4 U	NA	NA	NA	66 U	60 U	4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	31 U	2.1 U	1.9 U	1.9 U	2 U	NA	NA	NA	31 U	28 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	88 U	10 U	9.3 U	9.4 U	10 U	NA	NA	NA	88 U	80 U	9.9 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	310 U	21 U	19 U	19 U	20 U	NA	NA	NA	310 U	280 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	310 U	21 U	19 U	19 U	20 U	NA	NA	NA	310 U	280 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	3631	3879.1	3319.9	6.61	8.72	3939.6	4011	4069.9	4639	3707	4771.4

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				JMW8011	JPZ1382						MMW8015			
Sample ID:				LORNG_JMW8011_1	LORNG_JPZ1382_05	LORNG_JPZ1382_09	LORNG_JPZ1382_09	LORNG_JPZ1382_05	LORNG_JPZ1382_10	LORNG_JPZ1382_05	LORNG_JPZ1382_10	LORNG_MMW8015_	LORNG_MMW8015_	LORNG_MMW8015_
Sample Date:				0222024	232022	172022	172022FD	122023	112023	062024	012024	05232022	09172022	06142023
Sample Depth (ft bgs):				10/22/2024	5/23/2022	9/17/2022	9/17/2022	5/12/2023	10/11/2023	5/6/2024	10/1/2024	5/23/2022	9/17/2022	6/14/2023
Sample Type:				34-44	20-30	20-30	20-30	20-30	20-30	20-30	20-30	64-74	64-74	64-74
Latitude:				N	N	N	FD	N	N	N	N	N	N	N
Longitude:				46.96428873	46.96446028	46.96446028	46.96446028	46.96446028	46.96446028	46.96446028	46.96446028	46.9647849	46.9647849	46.9647849
				-67.87813136	-67.87558313	-67.87558313	-67.87558313	-67.87558313	-67.87558313	-67.87558313	-67.87558313	-67.87635595	-67.87635595	-67.87635595
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	49.2	1.9 U	3.7 U	3.7 U	2 U	1.8 UJ	3.6 U	4.1 U	47.4	46.9	49 J
Perfluoropentanoic acid (PFPeA)	-	-	-	142	0.93 U	1.9 U	1.9 U	0.5 U	0.45 UJ	1.8 U	2 U	151	140	150
Perfluorohexanoic acid (PFHxA)	990	-	-	289	0.93 U	1.9 U	1.9 U	0.29 J	0.18 J	1.8 U	2 U	291	299	310
Perfluoroheptanoic acid (PFHpA)	-	-	-	95.6	0.93 U	1.9 U	1.9 U	0.5 U	0.45 UJ	1.8 U	2 U	90.2	90.2	89
Perfluorooctanoic acid (PFOA)	0.0027	4	-	268	0.93 U	1.1 J	1 J	0.55 J	0.53 J	0.62 J	0.78 J	335	315	320
Perfluorononanoic acid (PFNA)	5.9	10	-	19.1	0.93 U	1.9 U	1.9 U	0.5 U	0.45 UJ	1.8 U	2 U	15.2	16.1	19
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 J	0.93 U	1.9 U	1.9 U	1 U	0.9 UJ	1.8 U	2 U	1.5 J	1.5 J	10 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	0.93 U	1.9 U	1.9 U	0.5 U	0.45 UJ	1.8 U	2 U	0.93 U	1.9 U	5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	0.93 U	1.9 U	1.9 U	1 U	0.9 UJ	1.8 U	2 U	0.93 U	1.9 U	10 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	0.93 U	1.9 U	1.9 U	1 U	0.9 UJ	1.8 U	2 U	0.93 U	1.9 U	10 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	0.93 U	1.9 U	1.9 U	0.5 U	0.45 UJ	1.8 U	2 U	0.93 U	1.9 U	5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	34.4	0.93 U	1.9 U	1.9 U	0.29 J	0.28 J	1.8 U	2 U	36.2	34.3	36
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	51	0.93 U	1.9 U	1.9 U	0.47 U	0.42 UJ	3.6 U	4.1 U	51.3	52.7	54
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1440	1.9 J	1.6 J	1.8 J	1.6	1.9 J	1.5 J	1.9 J	1110	1280	1400
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	35.3	0.93 U	1.9 U	1.9 U	0.47 U	0.42 UJ	1.8 U	2 U	30.5	34	27
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1510	0.93 U	2 J	2.1 J	0.94 J	1.1 J	1.8 U	1.3 J	1600	1670	1500
Perfluorononanesulfonic acid (PFNS)	-	-	-	4.9	0.93 U	1.9 U	1.9 U	0.94 U	0.85 UJ	1.8 U	2 U	3.5 J	4	9.4 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	0.93 U	1.9 U	1.9 U	0.47 U	0.42 UJ	1.8 U	2 U	0.93 U	1.9 U	4.7 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.7 U	NA	NA	NA	1 U	0.9 UJ	3.6 U	4.1 U	NA	NA	10 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	1.9 U	3.7 U	3.7 U	1.9 U	1.7 UJ	7.3 U	8.2 U	2.3 J	2.7 J	19 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	112	1.9 U	3.7 U	3.7 U	1.9 U	1.7 UJ	7.3 U	8.2 U	143	136	130
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	37.7	1.9 U	3.7 U	3.7 U	3.8 U	3.4 UJ	7.3 U	8.2 U	35.2	35.8	39 J
Perfluorooctane sulfonamide (PFOSA)	-	-	-	35.8	0.93 U	1.9 U	1.9 U	0.25 U	0.23 UJ	1.8 U	2 U	30.5	30.3	38
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	9.3 U	19 UJ	19 U	1 U	0.9 UJ	3.6 U	4.1 U	19 U	0 R	10 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.7 U	NA	NA	NA	1 U	0.9 UJ	3.6 U	4.1 UJ	NA	NA	10 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1.9 U	3.7 U	3.7 U	1 U	0.9 UJ	3.6 U	4.1 U	1.9 U	3.7 U	10 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1.9 U	3.7 U	3.7 U	1 U	0.9 UJ	3.6 U	4.1 U	1.9 U	3.7 U	10 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	NA	NA	NA	2.5 U	2.3 UJ	18 U	20 U	NA	NA	25 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	NA	NA	NA	5 U	4.5 UJ	18 U	20 U	NA	NA	50 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	NA	NA	NA	4 U	3.6 UJ	1.8 U	2 U	NA	NA	40 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.7 U	NA	NA	NA	3.8 U	3.4 UJ	3.6 U	4.1 U	NA	NA	38 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	NA	NA	NA	2 U	1.8 UJ	1.8 U	2 U	NA	NA	20 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.7 U	NA	NA	NA	0.5 U	0.45 UJ	3.6 U	4.1 U	NA	NA	5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.7 U	NA	NA	NA	60 U	54 UJ	3.6 U	4.1 U	NA	NA	600 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.7 U	NA	NA	NA	6.6 U	5.9 UJ	3.6 U	4.1 U	NA	NA	66 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.7 U	NA	NA	NA	6.6 U	5.9 UJ	3.6 U	4.1 U	NA	NA	66 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	NA	NA	NA	3.1 U	2.8 UJ	1.8 U	2 U	NA	NA	31 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.2 U	NA	NA	NA	8.8 U	7.9 UJ	9.1 U	10 U	NA	NA	88 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	NA	NA	NA	31 U	28 UJ	18 U	20 U	NA	NA	310 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	NA	NA	NA	31 U	28 UJ	18 U	20 U	NA	NA	310 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	3334.5	1.9	4.7	4.9	3.09	3.53	2.12	3.98	3151.9	3372.8	3328

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				MMW8015			OW01002					OW01003		
Sample ID:				LORNG_MMW8015_	LORNG_MMW8015_	LORNG_MMW8015_	LORNG_OW01002_0	LORNG_OW01002_0	LORNG_OW01002_0	LORNG_OW01002_1	LORNG_OW01002_0	LORNG_OW01002_1	LORNG_OW01003_0	LORNG_OW01003_0
Sample Date:				11022023	06182024	10112024	8032022	9292022	6132023	1022023	6142024	0162024	8032022	9292022
Sample Depth (ft bgs):				11/2/2023	6/18/2024	10/11/2024	8/3/2022	9/29/2022	6/13/2023	11/2/2023	6/14/2024	10/16/2024	8/3/2022	9/29/2022
Sample Type:				64-74	64-74	64-74	15-25	15-25	15-25	15-25	15-25	15-25	18-28	18-28
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.9647849	46.9647849	46.9647849	46.961635	46.961635	46.961635	46.961635	46.961635	46.961635	46.9647324	46.9647324
				-67.87635595	-67.87635595	-67.87635595	-67.8815106	-67.8815106	-67.8815106	-67.8815106	-67.8815106	-67.8815106	-67.8765032	-67.8765032
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	52 J	52.8	48.6	75.8	86.7	85	120	94.7 J	87.6	4.6 U	3.6 U
Perfluoropentanoic acid (PFPeA)	-	-	-	150	152	145	206	244	250	350	260	217	2.3 U	1.8 U
Perfluorohexanoic acid (PFHxA)	990	-	-	310	353	309	680	615	770	980	865	609	2.3 U	1.8 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	87	101	90.7	136	161	160	220	175	143	2.3 U	1.8 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	300	320	281	380	520	580	630	620	474	2.3 U	1.8 U
Perfluorononanoic acid (PFNA)	5.9	10	-	18	18.9	16.9	18.2	41.8	64	62	62.8	36.8	2.3 U	1.8 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	10 U	1.5 J	1.6 J	1.2 J	6.4	6 J	5.1 J	5.7 J	3.7 J	2.3 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	5 U	2 U	2.1 U	1.9 U	2 U	5 U	5 U	17 U	2 U	2.3 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	10 U	2 U	2.1 U	1.9 U	2 U	10 U	10 U	17 U	2 U	2.3 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	10 U	2 U	2.1 U	1.9 U	2 U	10 U	10 U	17 U	2 U	2.3 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	5 U	2 U	2.1 U	1.9 U	80 U	5 U	5 U	17 U	2 U	2.3 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	37	38.5	38.4	56.3	67.6	69	100	75.3	64.7	2.3 U	1.8 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	47	60.5	52.4	70.2	83.6	100	160	101	101	2.3 U	1.8 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1400	1400	1200	2600	2740	9500	5300	4000	2680	1.2 J	1.3 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	24	32.6	30.8	30.9	66	72	86	75.4	63.9	2.3 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1800	1710	1620	2140	6450	8200	5800	6120	3120	2.3 U	1.8 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	9.4 U	3.3 J	3.1 J	1.9 U	13.2 J	9.4 U	9.4 U	16.5 J	6.2 J	2.3 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	4.7 U	2 U	2.1 U	1.9 U	2 U	4.7 U	4.7 U	17 U	2 U	2.3 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	10 U	4 U	4.2 U	NA	NA	10 U	10 U	33 U	4.1 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	19 U	8 U	8.4 U	3 J	5.1 J	19 U	6.4 J	67 U	4 J	4.6 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	140	136	117	98.6	196	240	300	192	174	4.6 U	3.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	35 J	29.7	30.8	25.7	117	160	130	115 J	66.5	4.6 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	33	29.6	31.5	38	142	130	150	126 J	82	2.3 U	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	10 U	4 U	4.2 U	0 R	40 UJ	10 U	10 U	33 U	4.1 U	4.6 U	18 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	10 U	4 U	4.2 U	NA	NA	10 U	10 U	33 U	4.1 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	10 U	4 U	4.2 U	3.7 U	4 U	10 U	10 U	33 U	4.1 U	4.6 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	10 U	4 U	4.2 U	3.7 U	4 U	10 U	10 U	33 U	4.1 U	4.6 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	59 J	20 U	21 U	NA	NA	25 U	25 U	170 U	20 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	370	20 U	21 U	NA	NA	50 U	50 U	170 U	20 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	40 U	2 U	2.1 U	NA	NA	40 U	40 U	17 U	2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	38 U	4 U	4.2 U	NA	NA	38 U	38 U	33 U	4.1 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	20 U	2 U	2.1 U	NA	NA	20 U	20 U	17 U	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	5 U	4 U	4.2 U	NA	NA	5 U	5 U	33 U	4.1 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	600 U	4 U	4.2 U	NA	NA	600 U	600 U	33 U	4.1 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	66 U	4 U	4.2 U	NA	NA	66 U	66 U	33 U	4.1 U	NA	NA
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	66 U	4 U	4.2 U	NA	NA	66 U	66 U	33 U	4.1 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	31 U	2 U	2.1 U	NA	NA	31 U	31 U	17 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	88 U	10 U	11 U	NA	NA	88 U	88 U	83 U	10 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	310 U	20 U	21 U	NA	NA	310 U	310 U	170 U	20 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	310 U	20 U	21 U	NA	NA	310 U	310 U	170 U	20 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	3605	3551.4	3210.2	5275.4	9919.2	18510	12017.1	10983.5	6457.5	1.2	1.3

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				OW01003				OW01004						
Sample ID:				LORNG_OW01003_0	LORNG_OW01003_1	LORNG_OW01003_0	LORNG_OW01003_0	LORNG_OW01004_0	LORNG_OW01004_0	LORNG_OW01004_0	LORNG_OW01004_1	LORNG_OW01004_0	LORNG_OW01004_0	RFW1144
Sample Date:				5112023	0112023	5072024	9242024	8042022	9292022	6122023	1012023	6102024	9272024	5212022
Sample Depth (ft bgs):				18-28	18-28	18-28	18-28	33-43	33-43	33-43	33-43	33-43	33-43	69-79
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9647324	46.9647324	46.9647324	46.9647324	46.9652054	46.9652054	46.9652054	46.9652054	46.9652054	46.9652054	46.96058778
Longitude:				-67.8765032	-67.8765032	-67.8765032	-67.8765032	-67.8778458	-67.8778458	-67.8778458	-67.8778458	-67.8778458	-67.8778458	-67.88307382
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2 U	0.9 J	3.6 U	3.8 U	37.8	40.7	44 J	40	32.8	33.7	9.8
Perfluoropentanoic acid (PFPeA)	-	-	-	0.5 U	1.3 J	1.8 U	1.9 U	108	126	130 J	120	99.9	101	19.4
Perfluorohexanoic acid (PFHxA)	990	-	-	0.5 U	1.4 J	1.8 U	1.9 U	154	185	190 J	170	163	162	14.7
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.5 U	0.47 J	1.8 U	1.9 U	81.3	101	98 J	87	73.5	77.2	10.5
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.23 J	1.1 J	0.91 U	0.96 U	156	164	180 J	150	120	132	16
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	0.45 UJ	1.8 U	1.9 U	10.2	13.4	16 J	14	11.7	2 J	1.5 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	0.9 UJ	1.8 U	1.9 UJ	1.9 U	1.9 U	0.83 J	0.73 J	0.73 J	0.76 J	0.93 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.45 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.5 UJ	0.49 U	1.9 U	2 U	0.93 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	0.9 UJ	1.8 U	1.9 U	1.9 U	1.9 U	1 UJ	0.98 U	1.9 U	2 U	0.93 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	0.9 UJ	1.8 U	1.9 U	1.9 U	1.9 U	1 UJ	0.98 U	1.9 U	2 U	0.93 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.45 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.5 UJ	0.49 U	1.9 U	2 U	0.93 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.23 J	0.55 J	1.8 U	1.9 U	21.8	25.3	28 J	24	21.6	21.5	3.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.47 U	0.36 J	3.6 U	3.8 U	31.2	34.8	44 J	43	31.2	32.1	4.3
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1.6	4.1 J	2 J	1.1 J	799	825	920 J	800	755	738	67
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	0.42 UJ	1.8 U	1.9 U	16.8	19	19 J	19	15.7	18.3	1.6 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.81 J	1.1 J	0.82 J	1.9 U	1050	1150	1200 J	960	959	846	94.2
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.85 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.94 UJ	0.92 U	2.4 J	2.8 J	0.93 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.42 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.47 UJ	0.46 U	0.72 J	2 U	0.93 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	0.9 UJ	3.6 U	3.8 U	NA	NA	1 UJ	0.98 U	3.7 U	4 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.7 UJ	7.3 U	7.7 U	3.7 U	3.7 U	0.6 J	0.55 J	7.4 U	8.1 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.7 UJ	7.3 U	7.7 U	77.7	73.5	76 J	72	57.1	64.3	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.4 UJ	7.3 U	7.7 U	72.4	68.1	69 J	61	47.4	53.8	1.9 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.23 UJ	1.8 U	1.9 U	11	15.2	17 J	17	14.7 J	17.3	1.6 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	0.9 UJ	3.6 U	3.8 U	37 UJ	19 UJ	1 UJ	0.98 U	3.7 U	4 U	1.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	0.9 UJ	3.6 U	3.8 U	NA	NA	1 UJ	0.98 U	3.7 U	4 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	0.9 UJ	3.6 U	3.8 U	3.7 U	3.7 U	1 UJ	0.98 U	3.7 U	4 U	1.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	0.9 UJ	3.6 U	3.8 U	3.7 U	3.7 U	1 UJ	0.98 U	3.7 U	4 U	1.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.3 UJ	18 U	19 U	NA	NA	2.5 UJ	2.4 U	19 U	20 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	4.5 UJ	18 U	19 U	NA	NA	5 UJ	4.9 U	19 U	20 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	3.6 UJ	1.8 U	1.9 U	NA	NA	4 UJ	3.9 U	1.9 U	2 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.4 UJ	3.6 U	3.8 U	NA	NA	3.8 UJ	3.7 U	3.7 U	4 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 UJ	1.8 U	1.9 U	NA	NA	2 UJ	2 U	1.9 U	2 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.45 UJ	3.6 U	3.8 U	NA	NA	0.5 UJ	0.49 U	3.7 U	4 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	54 UJ	3.6 U	3.8 U	NA	NA	60 UJ	59 U	3.7 U	4 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	5.9 UJ	3.6 U	3.8 U	NA	NA	6.6 UJ	6.5 U	3.7 U	4 U	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	5.9 UJ	3.6 U	3.8 U	NA	NA	6.6 UJ	6.5 U	3.7 U	4 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	2.8 UJ	1.8 U	1.9 U	NA	NA	3.1 UJ	3 U	1.9 U	2 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	7.9 UJ	9.1 U	9.6 U	NA	NA	8.8 UJ	8.6 U	9.3 U	10 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	28 UJ	18 U	19 U	NA	NA	31 UJ	30 U	19 U	20 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	28 UJ	18 U	19 U	NA	NA	31 UJ	30 U	19 U	20 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	2.64	6.77	2.82	1.1	2096.5	2253.4	2414.83	2011.73	1919.93	1795.96	189.2

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				RFW1144					RFW1145					
Sample ID:				LORNG_RFW1144_0	LORNG_RFW1144_0	LORNG_RFW1144_1	LORNG_RFW1144_0	LORNG_RFW1144_1	LORNG_RFW1145_3	LORNG_RFW1145_7	LORNG_RFW1145_3	LORNG_RFW1145_7	LORNG_RFW1145_7	LORNG_RFW1145_3
Sample Date:				9/17/2022	5/12/2023	025/2023	5/21/2024	003/2024	5 0703/2023	5 0703/2023	5 1101/2023	5 1101/2023	5 0611/2024	5 0611/2024
Sample Depth (ft bgs):				69-79	69-79	69-79	69-79	69-79	15-72	15-72	15-72	15-72	15-72	15-72
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.96058778	46.96058778	46.96058778	46.96058778	46.96058778	46.96016	46.96016	46.96016	46.96016	46.96016	46.96016
Longitude:				-67.88307382	-67.88307382	-67.88307382	-67.88307382	-67.88307382	-67.882466	-67.882466	-67.882466	-67.882466	-67.882466	-67.882466
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	7.6	10	9.8 J	8.8 J	7.2 J	45	19	170	56 J	22.9	31.2
Perfluoropentanoic acid (PFPeA)	-	-	-	12.2	21	18 J	15.2	14	130	53	420	150	68.9	92.6
Perfluorohexanoic acid (PFHxA)	990	-	-	7	16	11 J	9.4	8.4	380	97	970	380	163	242
Perfluoroheptanoic acid (PFHpA)	-	-	-	5	12	7 J	6.3	5.3	85	28	370	94	39.6	67.8
Perfluorooctanoic acid (PFOA)	0.0027	4	-	6.9	17	7.4 J	7.5	5.5	450	120	920	420	195	277
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	1.7	0.54 J	0.81 J	1.9 U	18	4.1	100	18	5	14.4
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	0.91 UJ	1.9 U	1.9 UJ	3.1	0.45 J	19	2.6 J	0.76 J	2.6 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.46 UJ	1.9 U	1.9 U	0.55 U	0.55 U	4.7 U	4.6 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	0.91 UJ	1.9 U	1.9 U	1.1 U	1.1 U	9.4 U	9.1 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	0.91 UJ	1.9 U	1.9 U	1.1 U	1.1 U	9.4 U	9.1 U	1.9 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.46 UJ	1.9 U	1.9 U	0.55 U	0.55 U	4.7 U	4.6 U	1.9 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.7 J	3.3	2.2 J	1.8 J	1.6 J	31 J	10	100	41	16.3	24.1
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2 J	4.2	2.3 J	2.3 J	2 J	120	24	210	58	24.5	38.1
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	22.7	79	32 J	28.6	21	1900	440	7400	2300	811	1370
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	1.2 J	0.47 J	0.69 J	1.9 U	90	11	180	40	15.8	25.4
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	28.3	79	34 J	36.2	22.7	2400	510	11000	2200	689	1390
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.86 UJ	1.9 U	1.9 U	4	1 U	11 J	8.6 U	0.7 J	3.7
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.43 UJ	1.9 U	1.9 U	0.89 J	0.52 U	4.4 U	4.3 U	1.9 U	1.6 J
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	0.91 UJ	3.9 U	3.8 U	1.1 U	1.1 U	9.4 U	9.1 U	3.8 U	3.7 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	1.7 UJ	7.8 U	7.6 U	2.1 UJ	2.1 U	18 U	17 U	7.5 U	7.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.7 U	2 J	1.7 UJ	7.8 U	7.6 U	97 J	28	180	130	63	72.8
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.8 U	3.5 UJ	7.8 U	7.6 U	35 J	11	35 J	37 J	18.1 J	21
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	2.4	0.49 J	0.94 J	1.9 U	59 J	9.7 J	360	64	9.6 J	30.3 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 UJ	1 U	0.91 UJ	3.9 UJ	3.8 U	1.1 U	1.1 U	9.4 U	9.1 U	3.8 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	0.91 UJ	3.9 U	3.8 U	1.1 U	1.1 U	9.4 U	9.1 U	3.8 U	3.7 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	0.91 UJ	3.9 U	3.8 U	1.1 U	1.1 U	9.4 U	9.1 U	3.8 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 UJ	1 U	0.91 UJ	3.9 U	3.8 UJ	1.1 U	1.1 U	9.4 U	9.1 U	3.8 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.3 UJ	19 UJ	19 U	2.8 U	2.8 U	24 U	23 U	19 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	4.6 UJ	19 UJ	19 U	5.6 U	5.5 U	47 U	46 U	19 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	3.6 UJ	1.9 U	1.9 U	4.4 U	4.4 U	38 U	37 U	1.9 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.5 UJ	3.9 U	3.8 U	4.2 U	4.2 U	36 U	35 U	3.8 U	3.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	1.8 UJ	1.9 U	1.9 U	2.2 U	2.2 U	19 U	18 U	1.9 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.46 UJ	3.9 U	3.8 U	0.55 U	0.55 U	4.7 U	4.6 U	3.8 U	3.7 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	55 UJ	3.9 U	3.8 U	66 U	66 U	570 U	550 U	3.8 U	3.7 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6 UJ	3.9 U	3.8 U	7.3 U	7.3 U	62 U	60 U	3.8 U	3.7 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6 UJ	3.9 U	3.8 U	7.3 U	7.3 U	62 U	60 U	3.8 U	3.7 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	2.8 UJ	1.9 U	1.9 U	3.4 U	3.4 U	29 U	28 U	1.9 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8 UJ	9.7 U	9.5 U	9.7 U	9.7 U	83 U	80 U	9.4 U	9.3 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	28 UJ	19 U	19 U	34 U	34 U	290 U	280 U	19 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	28 UJ	19 U	19 U	34 U	34 U	290 U	280 U	19 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	62.9	188.7	80.94	79.41	54.5	4856.1	1102.55	19809	5034.6	1740.36	3121.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				RFW1145		RFW1147						USGS2		
Sample ID:				LORNG_RFW1145_3	LORNG_RFW1145_7	LORNG_RFW1147_0	LORNG_RFW1147_0	LORNG_RFW1147_0	LORNG_RFW1147_1	LORNG_RFW1147_0	LORNG_RFW1147_1	LORNG_USGS-2	LORNG_USGS-40	LORNG_USGS-125
Sample Date:				5 10/23/2024	5 10/23/2024	510/2022	917/2022	523/2023	027/2023	523/2024	004/2024	2 125 05/19/2022	2 40 05/19/2022	2 125 09/17/2022
Sample Depth (ft bgs):				15-72	15-72	40-50	40-50	40-50	40-50	40-50	40-50	UNK-155	UNK-155	UNK-155
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.96016	46.96016	46.9601652	46.9601652	46.9601652	46.9601652	46.9601652	46.9601652	46.9610227	46.9610227	46.9610227
Longitude:				-67.882466	-67.882466	-67.88369882	-67.88369882	-67.88369882	-67.88369882	-67.88369882	-67.88369882	-67.8819504	-67.8819504	-67.8819504
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	23.3	12.8 J	23.2	20	15	13	13.6 J	15.6 J	15.2	14.3	8.1
Perfluoropentanoic acid (PFPeA)	-	-	-	63.6	32.2	49.8	49.8	35	27	28	37.8	33.2	29.7	13.8
Perfluorohexanoic acid (PFHxA)	990	-	-	154	49.4	55.6	65.9	36	30	27.3	54.6	39	25.6	8.4
Perfluoroheptanoic acid (PFHpA)	-	-	-	38.8	16.7	29.6	30.8	23	18	16	24.1	19.2	16.6	5.7
Perfluorooctanoic acid (PFOA)	0.0027	4	-	201	59	57.7	61.3	38	31	27.2	39.3	49.4	31.8	8.3
Perfluorononanoic acid (PFNA)	5.9	10	-	4.2	2.2 J	6.5	7.2	5.1	4	3.4 J	4.2	2.9 J	3.1 J	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.87 J	2.7 U	1 U	1.9 U	0.39 J	0.46 J	1.8 U	1.9 U	1 U	1 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	2.7 U	1 U	1.9 U	0.5 U	0.51 U	1.8 U	1.9 U	1 U	1 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	2.7 U	1 U	1.9 U	1 U	1 U	1.8 U	1.9 U	1 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	2.7 U	1 U	1.9 U	1 U	1 U	1.8 U	1.9 U	1 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	2.7 U	1 U	1.9 U	0.5 U	0.51 U	1.8 U	1.9 U	1 U	5 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	16.6	5.8	6.2	10	5.8	5.9	4.2	4	5.7	4.6	1.7 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	24.4	7.6	10.9	17.7	9.2	10	6.7	7.3	8.6	6.8	2.2 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	765	219	270	395	220	230	171	169	168	116	24.8
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	17.7	5.1 J	7	7.3	4.8	3.7	3.6	3.7 J	3.9 J	3 J	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	656	204	355	322	290	270	200	230	173	141	36.7
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.75 J	2.7 U	1.9 J	1.3 J	0.94 U	0.95 U	1 J	1 J	1 U	1 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	2.7 U	1 U	1.9 U	0.47 U	0.48 U	0.62 J	1.9 U	1 U	1 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	5.5 U	NA	NA	1 U	1 U	3.6 U	3.9 U	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	11 U	2 U	3.7 U	1.9 U	1.9 U	7.3 U	7.8 U	2 U	2 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	67	15.3 J	5.8 J	3 J	4.5 J	2.3 J	7.3 U	7.8 U	13.9	11.5	2 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	21.8	6.3 J	2 U	3.7 U	3.8 U	3.8 U	7.3 U	7.8 U	2.2 J	2 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	9.6	2.8 J	13.2	10.4	15	11	8.7	10.7	6.9	3.8 J	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	5.5 U	2 U	3.7 U	1 U	0 R	3.6 U	3.9 U	10 UJ	10 UJ	19 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 U	5.5 U	NA	NA	1 U	0 R	3.6 U	3.9 U	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	5.5 U	2 U	3.7 U	1 U	1 U	3.6 U	3.9 U	2 U	2 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	5.5 U	2 U	3.7 U	1 U	1 U	3.6 U	3.9 U	2 U	2 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	27 U	NA	NA	2.5 U	2.5 U	18 U	19 U	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	27 U	NA	NA	5 U	5.1 U	18 U	19 U	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	2.7 U	NA	NA	4 U	4 U	1.8 U	1.9 U	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	5.5 U	NA	NA	3.8 U	3.8 U	3.6 U	3.9 U	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	2.7 U	NA	NA	2 U	2 U	1.8 U	1.9 U	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	5.5 U	NA	NA	0.5 U	0.51 U	3.6 U	3.9 U	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	5.5 U	NA	NA	60 U	61 U	3.6 U	3.9 U	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	5.5 U	NA	NA	6.6 U	6.7 U	3.6 U	3.9 U	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	5.5 U	NA	NA	6.6 U	6.7 U	3.6 U	3.9 U	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	2.7 U	NA	NA	3.1 U	3.1 U	1.8 U	1.9 U	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	14 U	NA	NA	8.8 U	8.9 U	9.1 U	9.7 U	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	27 U	NA	NA	31 U	31 U	18 U	19 U	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	27 U	NA	NA	31 U	31 U	18 U	19 U	NA	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1665.87	500.9	718.8	816.3	576.49	553.46	417.6	466.6	412.5	308.5	75.5

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area										
Location ID:				USGS2								UNK-026		
Sample ID:				LORNG_USGS-2_40_09172022	LORNG_USGS2_40_05232023	LORNG_USGS2_125_05232023	LORNG_USGS2_125_10252023	LORNG_USGS2_40_1_0252023	LORNG_USGS2_125_05232024	LORNG_USGS2_40_05232024	LORNG_USGS2_40_010032024	LORNG_USGS2_125_10032024	LORNG_LORNG-UNK-026_06122024	LORNG_LORNG-UNK-026_10152024
Sample Date:				9/17/2022	5/23/2023	5/23/2023	10/25/2023	10/25/2023	5/23/2024	5/23/2024	10/3/2024	10/3/2024	6/12/2024	10/15/2024
Sample Depth (ft bgs):				UNK-155	UNK-155	UNK-155	UNK-155	UNK-155	UNK-155	UNK-155	UNK-155	UNK-155	UNK	UNK
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9610227	46.9610227	46.9610227	46.9610227	46.9610227	46.9610227	46.9610227	46.9610227	46.9610227	46.96419657	46.96419657
Longitude:				-67.8819504	-67.8819504	-67.8819504	-67.8819504	-67.8819504	-67.8819504	-67.8819504	-67.8819504	-67.8819504	-67.86899921	-67.86899921
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	8.1	12	12	10 J	11 J	11.1 J	10.2 J	9.8 J	11.1 J	7.7 J	5.4 J
Perfluoropentanoic acid (PFPeA)	-	-	-	14.3	23	24	17 J	19 J	21	19.3	16.1	17.1	19.9	14
Perfluorohexanoic acid (PFHxA)	990	-	-	8.6	21	29	11 J	17 J	20	12.4	16.6	10.8	35.1	22.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	5.7	12	12	6.4 J	7.4 J	9.4	8.5	7.2	6.4	13.4	9.3
Perfluorooctanoic acid (PFOA)	0.0027	4	-	8.5	22	35	9.5 J	21 J	23.7	13.3	23.5	10.2	38.2	27.4
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	1.6 J	1.6 J	0.55 J	0.72 J	1.1 J	0.89 J	0.75 J	0.65 J	1.3 J	1.3 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1 U	1.1 U	0.91 UJ	0.92 UJ	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	0.5 U	0.55 U	0.45 UJ	0.46 UJ	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1 U	1.1 U	0.91 UJ	0.92 UJ	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1 U	1.1 U	0.91 UJ	0.92 UJ	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	0.5 U	0.55 U	0.45 UJ	0.46 UJ	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.8 J	3.4	4.2	2.1 J	3.1 J	3.2 J	2.6 J	2.6 J	2.2 J	6.9	4.3
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.3 J	4.4	5.4	2.4 J	3.5 J	3.9 J	3.1 J	3.7 J	2.8 J	8.1	5.1
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	26.1	83	110	32 J	53 J	78.1	53.5	55.9	28.2	170	97.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	1.5	1.9	0.54 J	0.99 J	2.3 J	1.6 J	1.8 J	0.74 J	3.9	2.7 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	39.1	98	130	38 J	63 J	89.7	59.8	68.2	33.1	140	105
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	0.94 U	1 U	0.85 UJ	0.86 UJ	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	0.47 U	0.52 U	0.43 UJ	0.43 UJ	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1.1 U	0.91 UJ	0.92 UJ	3.8 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.6 U	1.9 U	2.1 U	1.7 UJ	1.7 UJ	7.5 U	7.4 U	7.3 U	7.1 U	7.3 U	7.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2 J	7.3	11	3.7 J	6 J	6.1 J	7.4 U	5.4 J	7.1 U	7.3 U	7.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.6 U	2.3 J	2.6 J	3.4 UJ	1.2 J	7.5 U	7.4 U	7.3 U	7.1 U	7.3 U	7.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	4.3	6.5	0.95 J	2.2 J	4.2	1.9 J	2.5 J	1.1 J	1.8 U	1.4 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0 R	1 U	1.1 U	0.91 UJ	0.92 UJ	3.8 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1.1 U	0.91 UJ	0.92 UJ	3.8 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	1 U	1.1 U	0.91 UJ	0.92 UJ	3.8 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	1 U	1.1 U	0.91 UJ	0.92 UJ	3.8 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.8 U	2.3 UJ	2.3 UJ	19 U	19 U	18 U	18 U	18 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5.5 U	4.5 UJ	4.6 UJ	19 U	19 U	18 U	18 U	18 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4.4 U	3.6 UJ	3.7 UJ	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	4.2 U	3.4 UJ	3.5 UJ	3.8 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2.2 U	1.8 UJ	1.8 UJ	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.55 U	0.45 UJ	0.46 UJ	3.8 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	67 U	54 UJ	55 UJ	3.8 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	7.3 U	6 UJ	6 UJ	3.8 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	7.3 U	6 UJ	6 UJ	3.8 U	3.7 U	3.6 U	3.5 U	3.6 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.4 U	2.8 UJ	2.8 UJ	1.9 U	1.9 U	1.8 U	1.8 U	1.8 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	9.8 U	8 UJ	8.1 UJ	9.4 U	9.3 U	9.1 U	8.8 U	9.1 U	9.5 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	34 U	28 UJ	28 UJ	19 U	19 U	18 U	18 U	18 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	34 U	28 UJ	28 UJ	19 U	19 U	18 U	18 U	18 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	79.4	216.6	288.6	86.45	145.12	202	135.99	155.55	78.55	362.9	240.1

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				01. Fire Training Area		18. Main Runway Foaming Area								
Location ID:				USMW210		044-RW01								
Sample ID:				LORNG_USMW210_	LORNG_USMW210_	LORNG_044RW01-	LORNG_044-	LORNG_044-	LORNG_044-	LORNG_044-	LORNG_044-	LORNG_044-	LORNG_044-	LORNG_044-
Sample Date:				06142024	10022024	10232021	RW01_05232022	RW01_09192022	RW01_05112023	RW01_10102023	RW01_05032024	RW01_09252024	8202022	0022022
Sample Depth (ft bgs):				6/14/2024	10/2/2024	10/23/2021	5/23/2022	9/19/2022	5/11/2023	10/10/2023	5/3/2024	9/25/2024	8/20/2022	10/2/2022
Sample Type:				3-13	3-13	19-29	19-29	19-29	19-29	19-29	19-29	19-29	26-36	26-36
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.963189	46.963189	46.95645239	46.95645239	46.95645239	46.95645239	46.95645239	46.95645239	46.95645239	46.96385	46.96385
				-67.869436	-67.869436	-67.88110456	-67.88110456	-67.88110456	-67.88110456	-67.88110456	-67.88110456	-67.88110456	-67.8868866	-67.8868866
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.9 J	9.2 J	2.03 U	2 U	3.7 U	2 U	2 U	3.6 U	3.6 U	4 U	2.4 J
Perfluoropentanoic acid (PFPeA)	-	-	-	13.5	21.7	2.03 U	1 U	1.9 U	0.5 U	0.5 U	1.8 U	1.8 U	2 U	1.9 J
Perfluorohexanoic acid (PFHxA)	990	-	-	26.8	36.3	2.03 U	1 U	1.9 U	0.5 U	0.5 U	1.8 U	1.8 U	2 U	1.3 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	9.8	12.4	2.03 U	1 U	1.9 U	0.5 U	0.5 U	1.8 U	1.8 U	2 U	1.8 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	35.3	47.6	2.03 U	1 U	1.9 U	0.25 U	0.25 U	0.91 U	0.91 U	2 U	1.8 U
Perfluorononanoic acid (PFNA)	5.9	10	-	3.5 J	4	2.03 U	1 U	1.9 U	0.5 U	0.5 U	1.8 U	1.8 U	2 U	1.8 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1.9 U	2.03 U	1 U	1.9 U	1 U	1 U	1.8 U	1.8 U	2 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	1.9 U	2.03 U	1 U	1.9 U	0.5 U	0.5 U	1.8 U	1.8 U	2 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1.9 U	2.03 U	1 U	1.9 U	1 U	1 U	1.8 U	1.8 U	2 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1.9 U	2.03 U	1 U	1.9 U	1 U	1 U	1.8 U	1.8 U	2 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	1.9 U	2.03 U	1 U	1.9 U	0.5 U	0.5 U	1.8 U	1.8 U	2 U	8.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	5.5	8.2	2.03 U	1 U	1.9 U	0.44 U	0.44 U	1.8 U	1.8 U	2 U	1.8 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	6.5	10.3	2.03 U	1 U	1.9 U	0.47 U	0.47 U	3.6 U	3.6 U	2 U	1.8 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	148	212	2.03 U	1 U	1.9 U	0.61 J	0.47 U	1.8 U	1.8 U	1.1 J	1.5 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	3.7	4.9	2.03 U	1 U	1.9 U	0.47 U	0.47 U	1.8 U	1.8 U	2 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	217	234	2.03 U	1 U	1.9 U	0.28 J	0.47 U	1.8 U	1.8 U	1 J	1.3 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	1.9 U	2.03 U	1 U	1.9 U	0.94 U	0.94 U	1.8 U	1.8 U	2 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	1.9 U	2.03 U	1 U	1.9 U	0.47 U	0.47 U	1.8 U	1.8 U	2 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	3.8 U	NA	NA	NA	1 U	1 U	3.6 U	3.6 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	7.7 U	2.03 U	2 U	3.7 U	1.9 U	1.9 U	7.3 U	7.3 U	4 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.9 J	6.4 J	2.03 U	2 U	3.7 U	1.9 U	1.9 U	7.3 U	7.3 U	2.9 J	3.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.3 U	7.7 U	2.03 U	2 U	3.7 U	3.8 U	3.8 U	7.3 U	7.3 U	4 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	1 J	2.03 U	1 U	1.9 U	0.25 U	0.25 U	1.8 U	1.8 U	2 U	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	3.8 U	10.2 U	9.3 UJ	3.7 UJ	1 U	1 U	3.6 U	3.6 U	4 U	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 U	3.8 U	NA	NA	NA	1 U	1 U	3.6 UJ	3.6 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	3.8 U	2.03 UJ	2 U	3.7 U	1 U	1 U	3.6 U	3.6 U	4 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	3.8 U	2.03 U	2 U	3.7 U	1 U	1 U	3.6 U	3.6 U	4 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	19 U	NA	NA	NA	2.5 U	2.5 U	18 U	18 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	19 U	NA	NA	NA	5 U	5 U	18 U	18 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	1.9 U	NA	NA	NA	4 U	4 U	1.8 U	1.8 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	3.8 U	NA	NA	NA	3.8 U	3.8 U	3.6 U	3.6 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	1.9 U	NA	NA	NA	2 U	2 U	1.8 U	1.8 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	3.8 U	NA	NA	NA	0.5 U	0.5 U	3.6 U	3.6 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	3.8 U	NA	NA	NA	60 U	60 U	3.6 U	3.6 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	3.8 U	NA	NA	NA	6.6 U	6.6 U	3.6 U	3.6 U	NA	NA
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	3.8 U	NA	NA	NA	6.6 U	6.6 U	3.6 U	3.6 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	1.9 U	NA	NA	NA	3.1 U	3.1 U	1.8 U	1.8 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	9.6 U	NA	NA	NA	8.8 U	8.8 U	9.1 U	9.1 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	19 U	NA	NA	NA	31 U	31 U	18 U	18 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	19 U	NA	NA	NA	31 U	31 U	18 U	18 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	413.6	510	12.18 U	6 U	11.4 U	0.89	3.19 U	9.91 U	9.91 U	2.1	2.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				18. Main Runway Foaming Area										
Location ID:				BW18003				BW18004				JBW8009		
Sample ID:				LORNG_BW18003_0	LORNG_BW18003_1	LORNG_BW18003_0	LORNG_BW18003_0	LORNG_BW18004_0	LORNG_BW18004_1	LORNG_BW18004_0	LORNG_BW18004_1	LORNG_BW18004_0	LORNG_BW18004_1	LORNG_JBW8009_0
Sample Date:				5102023	0112023	5032024	9252024	9012022	0032022	6132023	1012023	5212024	0162024	5212022
Sample Depth (ft bgs):				26-36	26-36	26-36	26-36	140-150	140-150	140-150	140-150	140-150	140-150	44-54
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.96385	46.96385	46.96385	46.96385	46.9564072	46.9564072	46.9564072	46.9564072	46.9564072	46.9564072	46.95898103
Longitude:				-67.8868866	-67.8868866	-67.8868866	-67.8868866	-67.8836693	-67.8836693	-67.8836693	-67.8836693	-67.8836693	-67.8836693	-67.88743
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	0.6 J	0.68 J	3.6 U	3.6 U	7.6 U	4.3 U	1.1 J	2.1 U	3.8 U	3.7 U	6.8 J
Perfluoropentanoic acid (PFPeA)	-	-	-	0.25 J	0.2 J	1.8 U	1.8 U	3.8 U	2.1 U	0.69 J	0.52 U	1.9 U	1.9 U	13.3
Perfluorohexanoic acid (PFHxA)	990	-	-	0.22 J	0.15 J	1.8 U	1.8 U	5.9 J	6	5 J	1.5 J	1.2 J	1.9 J	6.9
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.5 U	0.16 J	1.8 U	1.8 U	3.8 U	2.1 U	0.35 J	0.52 U	1.9 U	1.9 U	6
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.28 J	0.15 J	0.91 U	0.9 U	3.8 U	2.1 U	0.4 J	0.26 U	0.94 U	2.4 J	5.2
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	0.45 UJ	1.8 U	1.8 U	3.8 U	2.1 U	0.5 UJ	0.52 U	1.9 U	1.9 U	0.96 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	0.9 UJ	1.8 U	1.8 U	3.8 U	2.1 U	1 UJ	1 U	1.9 U	1.9 U	0.96 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.45 UJ	1.8 U	1.8 U	3.8 U	2.1 U	0.5 UJ	0.52 U	1.9 U	1.9 U	0.96 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	0.9 UJ	1.8 U	1.8 U	3.8 U	2.1 U	1 UJ	1 U	1.9 U	1.9 U	0.96 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	0.9 UJ	1.8 U	1.8 U	3.8 U	2.1 U	1 UJ	1 U	1.9 U	1.9 U	0.96 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.45 UJ	1.8 U	1.8 U	3.8 U	2.1 U	0.5 UJ	0.52 U	1.9 U	1.9 U	0.96 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.22 J	0.42 J	1.8 U	1.8 U	3.8 U	2.1 U	0.31 J	0.45 U	1.9 U	1.9 U	1.5 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.47 U	0.17 J	3.6 U	3.6 U	3.8 U	2.1 U	0.52 J	0.49 U	3.8 U	3.7 U	2 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1.4 J	2.4 J	1.1 J	2.8 J	3.8 U	2.1 U	0.33 J	0.49 U	1.9 U	1.9 U	17.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	0.42 UJ	1.8 U	1.8 U	3.8 U	2.1 U	0.47 UJ	0.49 U	1.9 U	1.9 U	0.96 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.76 J	0.87 J	1.8 U	1.4 J	3.8 U	2.1 U	0.78 J	0.6 J	1.9 U	1.5 J	22.3
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.85 UJ	1.8 U	1.8 U	3.8 U	2.1 U	0.94 UJ	0.97 U	1.9 U	1.9 U	0.96 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.42 UJ	1.8 U	1.8 U	3.8 U	2.1 U	0.47 UJ	0.49 U	1.9 U	1.9 U	0.96 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	0.9 UJ	3.6 U	3.6 U	NA	NA	1 UJ	1 U	3.8 U	3.7 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.7 UJ	7.3 U	7.2 U	7.6 U	4.3 U	1.9 UJ	2 U	7.5 U	7.5 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.7 UJ	7.3 U	7.2 U	127	122	70 J	7.2	7.5 U	3.3 J	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.4 UJ	7.3 U	7.2 U	7.6 U	4.3 U	3.8 UJ	3.9 U	7.5 U	7.5 U	1.9 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.23 UJ	1.8 U	1.8 U	19 UJ	2.1 U	0.25 UJ	0.26 U	1.9 U	1.9 U	0.96 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	0.9 UJ	3.6 U	3.6 U	0 R	4.3 UJ	1 UJ	1 U	3.8 UJ	3.7 U	1.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	0.9 UJ	3.6 UJ	3.6 U	NA	NA	1 UJ	1 U	3.8 U	3.7 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	0.9 UJ	3.6 U	3.6 U	7.6 U	4.3 U	1 UJ	1 U	3.8 U	3.7 U	1.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	0.9 UJ	3.6 U	3.6 U	7.6 U	4.3 U	1 UJ	1 U	3.8 U	3.7 U	1.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.3 UJ	18 U	18 U	NA	NA	2.5 UJ	2.6 U	19 UJ	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	4.5 UJ	18 U	18 U	NA	NA	5 UJ	5.2 U	19 UJ	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	3.6 UJ	1.8 U	1.8 U	NA	NA	4 UJ	4.1 U	1.9 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.4 UJ	3.6 U	3.6 U	NA	NA	3.8 UJ	3.9 U	3.8 U	3.7 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 UJ	1.8 U	1.8 U	NA	NA	2 UJ	1.8 U	1.9 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.45 UJ	3.6 U	3.6 U	NA	NA	0.5 UJ	0.52 U	3.8 U	3.7 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	54 UJ	3.6 U	3.6 U	NA	NA	60 UJ	62 U	3.8 U	3.7 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	5.9 UJ	3.6 U	3.6 U	NA	NA	6.6 UJ	6.8 U	3.8 U	3.7 U	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	5.9 UJ	3.6 U	3.6 U	NA	NA	6.6 UJ	6.8 U	3.8 U	3.7 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	2.8 UJ	1.8 U	1.8 U	NA	NA	3.1 UJ	3.2 U	1.9 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	7.9 UJ	9.1 U	9 U	NA	NA	8.8 UJ	9.1 U	9.4 U	9.3 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	28 UJ	18 U	18 U	NA	NA	31 UJ	32 U	19 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	28 UJ	18 U	18 U	NA	NA	31 UJ	32 U	19 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	2.44	3.58	1.1	4.2	22.8 U	12.6 U	1.86	0.6	10.44 U	3.9	50.6

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				20. B-52 Crash Area										
Location ID:				JBW8009					AA20MW-01					
Sample ID:				LORNG_JBW8009_0	LORNG_JBW8009_0	LORNG_JBW8009_1	LORNG_JBW8009_0	LORNG_JBW8009_1	LORNG_AA20MW01	LORNG_AA20MW01	LORNG_AA20MW-	LORNG_AA20MW-	LORNG_AA20MW-	LORNG_AA20MW-
Sample Date:				9192022	5112023	0172023	5102024	0152024	05172022	09282022	01_06062023	01_11022023	01_06072024	01_10112024
Sample Depth (ft bgs):				44-54	44-54	44-54	44-54	44-54	16-26	16-26	16-26	16-26	16-26	16-26
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.95898103	46.95898103	46.95898103	46.95898103	46.95898103	46.96937641	46.96937641	46.96937641	46.96937641	46.96937641	46.96937641
Longitude:				-67.88743	-67.88743	-67.88743	-67.88743	-67.88743	-67.89095119	-67.89095119	-67.89095119	-67.89095119	-67.89095119	-67.89095119
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	8	8	7.9	7.4 J	6.9 J	6.4 J	6.5 J	7.3	7.5 J	4.4 J	3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	16.1	15	14	13.5	12.6	7.8	8	9.7	8.9 J	4.6 J	3.1 J
Perfluorohexanoic acid (PFHxA)	990	-	-	8.2	8.3	8.3	8.3	7.4	27.9	25.8	32	25	15.1	7.7
Perfluoroheptanoic acid (PFHpA)	-	-	-	7	6.8	6.7	7.1	6.3	7	6.9	7.2	5.4 J	3.7	2.6 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.6	6	5.7	5	4.8	17.9	17.2	21	13 J	8.3	5.3
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	0.63 J	0.54 J	1.8 U	2.2 U	2.3 J	2.1 J	2.6	2.6 J	1.2 J	1.1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1 U	0.93 U	1.8 U	2.2 U	1 U	1.9 U	1 U	9.2 U	1.9 U	1.9 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	0.5 U	0.47 U	1.8 U	2.2 U	1 U	1.9 U	0.5 U	4.6 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 UJ	1 U	0.93 U	1.8 U	2.2 U	1 U	1.9 U	1 U	9.2 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 UJ	1 U	0.93 U	1.8 U	2.2 U	1 U	1.9 U	1 U	9.2 U	1.9 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 UJ	0.5 U	0.47 U	1.8 U	2.2 U	1 U	1.9 U	0.5 U	4.6 U	1.9 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.7 J	1.8	1.7	1.6 J	1.6 J	37.6	30.6	36 J	24	13.8	7.4
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.1 J	1.9	1.9	1.8 J	1.6 J	70	51.4	90	43	31.8	16.5
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	18.8	21	21	20.3	17	859	585	830	600	450	230
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	0.34 J	0.31 J	1.8 U	2.2 U	62.6	33.9	64	24	19.9	10.2
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	23.3	20	19	19.5	19.1	1880	1550	2300	1400	1240	889
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	0.94 U	0.88 U	1.8 U	2.2 U	1 U	1.9 U	0.94 U	8.6 U	1.9 U	4.1 J
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	0.47 U	0.44 U	1.8 U	2.2 U	1 U	1.9 U	0.47 U	4.3 U	1.9 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	0.93 U	3.6 U	4.3 U	NA	NA	1 U	9.2 U	3.7 U	3.9 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4 U	1.9 U	1.8 U	7.3 U	8.6 U	2 U	3.7 U	1.9 U	17 U	7.4 U	7.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4 U	1.9 U	1.8 U	7.3 U	8.6 U	2 U	3.7 U	1.8 J	17 U	7.4 U	7.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4 U	3.8 U	3.6 U	7.3 U	8.6 U	2 U	3.7 U	3.8 UJ	35 U	7.4 U	7.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	0.25 U	0.93 J	1.8 U	2.2 U	1 U	1.9 U	0.53 J	2.3 U	1.9 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4 UJ	1 U	0.93 U	3.6 U	4.3 U	2 U	3.7 UJ	1 U	9.2 U	3.7 U	3.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	0.93 U	3.6 UJ	4.3 U	NA	NA	1 U	9.2 U	3.7 U	3.9 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	1 U	0.93 U	3.6 U	4.3 U	2 U	3.7 U	1 UJ	9.2 U	3.7 U	3.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	1 U	0.93 U	3.6 U	4.3 U	2 U	3.7 U	1 UJ	9.2 U	3.7 U	3.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	3.3 J	18 U	22 U	NA	NA	2.5 UJ	23 U	19 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5.5 J	18 U	22 U	NA	NA	5 U	46 U	19 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	3.7 U	1.8 U	2.2 U	NA	NA	4 U	37 U	1.9 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.6 U	3.6 U	4.3 U	NA	NA	3.8 U	35 U	3.7 U	3.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	1.9 U	1.8 U	2.2 U	NA	NA	2 U	18 U	1.9 U	1.9 UJ
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.47 U	3.6 U	4.3 U	NA	NA	0.5 U	4.6 U	3.7 U	3.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	56 U	3.6 U	4.3 U	NA	NA	60 U	550 U	3.7 U	3.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.2 U	3.6 U	4.3 U	NA	NA	6.6 U	61 U	3.7 U	3.9 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.2 U	3.6 U	4.3 U	NA	NA	6.6 U	61 U	3.7 U	3.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	2.9 U	1.8 U	2.2 U	NA	NA	3.1 U	28 U	1.9 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.2 U	9.1 U	11 U	NA	NA	8.8 U	81 U	9.3 U	9.7 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	29 U	18 U	22 U	NA	NA	31 U	280 U	19 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	29 U	18 U	22 U	NA	NA	31 U	280 U	19 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	54.7	54.43	52.94	51.9	47.2	2766.2	2161.2	3160.8	2021	1703.2	1128

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				20. B-52 Crash Area										
Location ID:				AA20MW-02					AA20MW-02					BW20001
Sample ID:				LORNG_AA20MW02	LORNG_AA20MW02	LORNG_AA20MW-02_05102023	LORNG_AA20MW-02_05102023FD	LORNG_AA20MW-02_10312023	LORNG_AA20MW-02_10312023FD	LORNG_AA20MW-02_06112024	LORNG_AA20MW-02_06112024FD	LORNG_AA20MW-02_10152024	LORNG_AA20MW-02_10152024FD	LORNG_BW20001_08042022
Sample Date:				05182022	09282022	5/10/2023	5/10/2023	10/31/2023	10/31/2023	6/11/2024	6/11/2024	10/15/2024	10/15/2024	8/4/2022
Sample Depth (ft bgs):				15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25	15-25	60-70
Sample Type:				N	N	N	FD	N	FD	N	FD	N	FD	N
Latitude:				46.96932261	46.96932261	46.96932261	46.96932261	46.96932261	46.96932261	46.96932261	46.96932261	46.96932261	46.96932261	46.9671042
Longitude:				-67.89064744	-67.89064744	-67.89064744	-67.89064744	-67.89064744	-67.89064744	-67.89064744	-67.89064744	-67.89064744	-67.89064744	-67.8802648
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	12.7	12.8	14	14	17	17	11.7 J	12.2 J	10.9 J	10.7 J	11.7
Perfluoropentanoic acid (PFPeA)	-	-	-	25.7	26.4	27	27	31	30	20	20.9	19.1	19.4	28.9
Perfluorohexanoic acid (PFHxA)	990	-	-	65.3	93.4	76	79	110	110	81.8	80.8	64	67	25.6
Perfluoroheptanoic acid (PFHpA)	-	-	-	18.1	17.5	19	19	22	21	16.9	17.1	14.1	13.6	25.1
Perfluorooctanoic acid (PFOA)	0.0027	4	-	25.7	25.7	33	33	49	49	31	29.6	21.5	20.9	28.4
Perfluorononanoic acid (PFNA)	5.9	10	-	1 U	1.9 U	0.55 J	0.56 J	0.83 J	0.95 J	2.1 U	0.8 J	0.62 J	0.78 J	2.5 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.9 U	1 U	1 U	0.96 U	0.97 U	2.1 U	2.1 U	1.9 U	1.8 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	5 U	1.9 U	0.5 U	0.5 U	0.48 U	0.48 U	2.1 U	2.1 U	1.9 U	1.8 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	5 U	1.9 U	1 U	1 U	0.96 U	0.97 U	2.1 U	2.1 U	1.9 U	1.8 U	10 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	5 U	1.9 U	1 U	1 U	0.96 U	0.97 U	2.1 U	2.1 U	1.9 U	1.8 U	10 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1 U	1.9 U	0.5 U	0.5 U	0.48 U	0.48 U	2.1 U	2.1 U	1.9 U	1.8 U	10 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	75.4	108	94	98	130	130	99.8	100	82.7	80.1	4.6
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	91.7	117	130	120	150	170	131	137	106	94.1	6.6
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	429	489	780	750	970	1200	691	751	512	451	124
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	11.8	13.2	5.3	5.6	12	13	20.2	20.7	12.7	12.3	3.5 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	152	310	110	110	300	260	326	343	246	238	144
Perfluorononanesulfonic acid (PFNS)	-	-	-	1 U	1.9 U	0.94 U	0.94 U	0.9 U	0.91 U	2.1 U	2.1 U	1.9 U	1.8 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	5 U	1.9 U	0.47 U	0.47 U	0.45 U	0.46 U	2.1 U	2.1 U	1.9 U	1.8 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	0.96 U	0.97 U	4.1 U	4.1 U	3.7 U	3.6 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	2 U	3.7 U	1.9 U	1.9 U	1.8 U	1.8 U	8.2 U	8.2 U	7.5 U	7.3 U	4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2 U	3.7 U	0.96 J	1.1 J	1.6 J	1.7 J	8.2 U	8.2 U	7.5 U	7.3 U	4.3 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	2 U	3.7 U	3.8 U	3.8 U	3.6 U	3.7 U	8.2 U	8.2 U	7.5 U	7.3 U	5.2 J
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1 U	1.9 U	0.25 U	0.25 U	0.24 U	0.24 U	2.1 U	2.1 U	1.9 U	1.8 U	1.8 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	10 U	3.7 U	1 U	1 U	0.96 U	0.97 U	4.1 U	4.1 U	3.7 U	3.6 U	20 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	0.96 U	0.97 U	4.1 U	4.1 U	3.7 U	3.6 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	10 U	3.7 U	1 U	1 U	0.96 U	0.97 U	4.1 U	4.1 U	3.7 U	3.6 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	10 U	3.7 U	1 U	1 U	0.96 U	0.97 U	4.1 U	4.1 U	3.7 U	3.6 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	2.4 U	2.4 U	21 U	21 U	19 U	18 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	4.8 U	4.8 U	21 U	21 U	19 U	18 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	3.8 U	3.9 U	2.1 U	2.1 U	1.9 U	1.8 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.6 U	3.7 U	4.1 U	4.1 U	3.7 U	3.6 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	1.9 U	1.9 U	2.1 U	2.1 U	1.9 U	1.8 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	0.48 U	0.48 U	4.1 U	4.1 U	3.7 U	3.6 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	58 U	58 U	4.1 U	4.1 U	3.7 U	3.6 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	6.3 U	6.4 U	4.1 U	4.1 U	3.7 U	3.6 U	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6.6 U	6.3 U	6.4 U	4.1 U	4.1 U	3.7 U	3.6 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	3 U	3 U	2.1 U	2.1 U	1.9 U	1.8 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	8.4 U	8.5 U	10 U	10 U	9.3 U	9.1 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	30 U	30 U	21 U	21 U	19 U	18 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	30 U	30 U	21 U	21 U	19 U	18 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	624.8	842.2	942.55	912.56	1341.83	1530.95	1064.9	1141.5	794.22	724.28	324

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				20. B-52 Crash Area										
Location ID:				BW20001					BW20002					
Sample ID:				LORNG_BW20001_0	LORNG_BW20001_0	LORNG_BW20001_1	LORNG_BW20001_0	LORNG_BW20001_1	LORNG_BW20002_0	LORNG_BW20002_1	LORNG_BW20002_0	LORNG_BW20002_1	LORNG_BW20002_0	LORNG_BW20002_1
Sample Date:				9302022	5102023	0312023	5212024	0032024	8032022	0022022	5092023	0192023	6062024	0082024
Sample Depth (ft bgs):				60-70	60-70	60-70	60-70	60-70	60-70	60-70	60-70	60-70	60-70	60-70
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9671042	46.9671042	46.9671042	46.9671042	46.9671042	46.9679091	46.9679091	46.9679091	46.9679091	46.9679091	46.9679091
Longitude:				-67.8802648	-67.8802648	-67.8802648	-67.8802648	-67.8802648	-67.8793462	-67.8793462	-67.8793462	-67.8793462	-67.8793462	-67.8793462
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	10.6	8.2	11	7.8 J	9.7 J	7.2 J	7.9	6.2 J	5.2 J	5.1 J	7.6
Perfluoropentanoic acid (PFPeA)	-	-	-	23.1	17	24	17.4	19.3	12	13	12	10 J	9.5	14
Perfluorohexanoic acid (PFHxA)	990	-	-	21.8	16	22	16.6	19.5	10.1	10.9	9.3	11	8.9	13
Perfluoroheptanoic acid (PFHpA)	-	-	-	22.9	15	22	16.2	19.9	7.9	9.3	9.3	8.3	7.3	12
Perfluorooctanoic acid (PFOA)	0.0027	4	-	25	18	25	17.5	19.9	10.5	10.9	11	9.6	8.7	14
Perfluorononanoic acid (PFNA)	5.9	10	-	2.6 J	1.8	2.3	1.7 J	2.1 J	1.9 U	1.8 U	0.79 J	0.87 J	0.65 J	1.1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	0.97 U	1.8 U	1.9 U	1.9 U	1.8 U	1 U	0.93 U	1.8 U	0.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.49 U	1.8 U	1.9 U	1.9 U	8.9 U	0.5 U	0.47 U	1.8 U	1.3 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	0.97 U	1.8 U	1.9 U	1.9 U	8.9 UJ	1 U	0.93 U	1.8 U	0.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	0.97 U	1.8 U	1.9 U	1.9 U	8.9 UJ	1 U	0.93 U	1.8 U	1.3 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.49 U	1.8 U	1.9 U	1.9 U	8.9 UJ	0.5 U	0.47 U	1.8 U	0.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	4	3.1	4.2	2.9 J	3.5 J	1.9 J	2.1 J	2.2	1.7	1.7 J	2.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5.8	4.1	5.4	4.3 J	4.9	2.4 J	2.8 J	2.7	2.4	2.3 J	3.3
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	110	85	120	84.3	106	31	33.8	43	38	36.3	60
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	3.4 J	1.7	1.9	2.1 J	2.7 J	1.9 U	1.8 U	0.48 J	0.61 J	1.8 U	0.88 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	158	110	120	87.3	123	29.6	26.6	29	28	26.5	45
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.91 U	1.8 U	1.9 U	1.9 U	1.8 U	0.94 U	0.88 U	1.8 U	1.2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.46 U	1.8 U	1.9 U	1.9 U	8.9 U	0.47 U	0.44 U	1.8 U	1.2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	0.97 U	3.6 U	3.8 U	NA	NA	1 U	0.93 U	3.6 U	0.9 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	1.8 U	7.3 U	7.6 U	3.7 U	3.6 U	1.9 U	1.8 U	7.3 U	3.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4.6 J	3.3 J	4 J	7.3 U	7.6 U	4.1 J	1.9 J	1.9 U	1.8 U	7.3 U	3.5 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	6.3 J	4.2 J	4.9 J	7.3 U	7.6 U	3.7 U	3.6 U	3.8 U	3.6 U	7.3 U	5 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.5 J	1.4 J	1.8	0.94 J	1.1 J	1.9 U	1.8 U	0.25 U	0.23 J	1.8 U	0.65 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	19 UJ	1 U	0.97 U	3.6 UJ	3.8 U	19 UJ	18 UJ	1 U	0.93 U	3.6 U	1.3 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	0.97 U	3.6 U	3.8 U	NA	NA	1 U	0.93 U	3.6 U	1.3 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	0.97 U	3.6 U	3.8 U	3.7 U	3.6 U	1 U	0.93 U	3.6 U	1.3 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1 U	0.97 U	3.6 U	3.8 U	3.7 U	18 U	1 U	0.93 U	3.6 U	0.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.4 U	18 UJ	19 U	NA	NA	2.5 U	2.3 U	18 U	9 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	4.9 U	18 UJ	19 U	NA	NA	5 U	4.7 U	18 U	9 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	3.9 U	1.8 U	1.9 U	NA	NA	4 U	3.7 U	1.8 U	3.6 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.7 U	3.6 U	3.8 U	NA	NA	3.8 U	3.6 U	3.6 U	3.4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	1.9 U	1.8 U	1.9 U	NA	NA	2 U	1.9 U	1.8 U	3.1 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.49 U	3.6 U	3.8 U	NA	NA	0.5 U	0.47 U	3.6 U	1.3 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	58 U	3.6 U	3.8 U	NA	NA	60 U	56 U	3.6 U	27 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.4 U	3.6 U	3.8 U	NA	NA	6.6 U	6.2 U	3.6 U	3.4 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.4 U	3.6 U	3.8 U	NA	NA	6.6 U	6.2 U	3.6 U	2.5 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3 U	1.8 U	1.9 U	NA	NA	3.1 U	2.9 U	1.8 U	2.2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.5 U	9.1 U	9.5 U	NA	NA	8.8 U	8.2 UJ	9.1 U	6.5 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	30 U	18 U	19 U	NA	NA	31 U	29 U	18 U	33 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	30 U	18 U	19 U	NA	NA	31 U	29 U	18 U	33 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	318.5	229.8	289.3	207	270.9	79	80.6	93.09	84.77	79.45	132.1

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				20. B-52 Crash Area										
Location ID:				OW20001						OW20002				
Sample ID:				LORNG_OW20001_0	LORNG_OW20001_0	LORNG_OW20001_0	LORNG_OW20001_1	LORNG_OW20001_0	LORNG_OW20001_1	LORNG_OW20002_0	LORNG_OW20002_0	LORNG_OW20002_0	LORNG_OW20002_1	LORNG_OW20002_0
Sample Date:				8042022	9302022	5092023	0062023	5102024	0022024	8042022	9302022	5092023	0172023	5102024
Sample Depth (ft bgs):				24-34	24-34	24-34	24-34	24-34	24-34	25-35	25-35	25-35	25-35	25-35
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9695681	46.9695681	46.9695681	46.9695681	46.9695681	46.9695681	46.9687417	46.9687417	46.9687417	46.9687417	46.9687417
Longitude:				-67.8924859	-67.8924859	-67.8924859	-67.8924859	-67.8924859	-67.8924859	-67.8907898	-67.8907898	-67.8907898	-67.8907898	-67.8907898
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3 J	2 J	2.8 J	2.7 J	3.1 J	3.2 J	3.5 J	4.7 J	4.2 J	4.2 J	2.8 J
Perfluoropentanoic acid (PFPeA)	-	-	-	3 J	1.8 J	2.4 J	2.7 J	2.5 J	2.4 J	6.2	7.5	7.1	7.3	4.4 J
Perfluorohexanoic acid (PFHxA)	990	-	-	1.8 J	1.3 J	1.7	2	2 J	1.7 J	4.5	5.4	5	5.3	3.5 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.5 J	1 J	1.3 J	1.6 J	1.3 J	1.4 J	3.6 J	4.7	4.2	3.9	2.4 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.2 J	1.8 U	0.92 J	1.7	1.2 J	1.2 J	4	4.9	4.1	4.3	2.6 J
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	1.8 U	0.25 J	0.4 J	1.9 U	2 U	1.9 U	1.8 U	0.4 J	0.48 J	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1.8 U	1 U	1 U	1.9 U	2 U	1.9 U	1.8 U	1 U	1 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	1.8 U	0.5 U	0.5 U	1.9 U	2 U	1.9 U	1.8 U	0.5 U	0.5 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	10 U	8.9 U	1 U	1 U	1.9 U	2 U	9.3 U	1.8 U	1 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	10 U	8.9 U	1 U	1 U	1.9 U	2 UJ	9.3 U	1.8 U	1 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	10 U	8.9 U	0.5 U	0.5 U	1.9 U	2 U	9.3 U	8.9 U	0.5 U	0.5 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 U	1.8 U	0.62 J	0.72 J	0.56 J	0.81 J	1.4 J	1.6 J	1.1 J	1.6	1.4 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2 U	1.8 U	0.53 J	0.6 J	3.8 U	1.2 J	1.5 J	1.8 J	1.2 J	1.6	1.3 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	5	4.3	5	5.4	4.9	12.7	20.3	21.1	20	21	14.4
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	1.8 U	0.47 U	0.47 U	1.9 U	2 U	1.9 U	1.8 U	0.19 J	0.35 J	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	5.5	4.2	3.9	5.9	3.9	7.4	13.2	15	9.8	14	8.6
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	1.8 U	0.94 U	0.94 U	1.9 U	2 U	1.9 U	1.8 U	0.94 U	0.94 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	1.8 U	0.47 U	0.47 U	1.9 U	2 UJ	1.9 U	1.8 U	0.47 U	0.47 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	3.8 U	3.9 U	NA	NA	1 U	1 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4 U	3.6 U	1.9 U	1.9 U	7.5 U	7.8 U	3.7 U	3.6 U	1.9 U	1.9 U	7.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	8.6	3.6 U	1.9 U	1.9 U	7.5 U	7.8 U	7.5	2.1 J	1.9 U	1.9 U	7.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4 U	3.6 U	3.8 U	3.8 U	7.5 U	7.8 U	3.7 U	3.6 U	3.8 U	3.8 U	7.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	1.8 U	0.25 U	0.25 U	1.9 U	2 U	1.9 U	1.8 U	0.25 U	0.21 J	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	20 UJ	0 R	1 U	1 U	3.8 U	3.9 U	19 UJ	3.6 U	1 U	1 U	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	3.8 UJ	3.9 U	NA	NA	1 U	1 U	3.8 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	3.6 U	1 U	1 U	3.8 U	3.9 U	3.7 U	3.6 U	1 U	1 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	3.6 U	1 U	1 U	3.8 U	3.9 U	3.7 U	3.6 U	1 U	1 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	19 U	20 U	NA	NA	2.5 U	2.2 J	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	19 U	20 U	NA	NA	5 U	3.6 J	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	1.9 U	2 U	NA	NA	4 U	4 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.8 U	3.9 U	NA	NA	3.8 U	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	1.9 U	2 UJ	NA	NA	2 U	2 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	3.8 U	3.9 U	NA	NA	0.5 U	0.5 U	3.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	3.8 U	3.9 U	NA	NA	60 U	60 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	3.8 U	3.9 U	NA	NA	6.6 U	6.6 U	3.8 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	NA	6.6 U	6.6 U	3.8 U	3.9 U	NA	NA	6.6 U	6.6 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	1.9 U	2 U	NA	NA	3.1 U	3.1 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	9.4 U	9.8 U	NA	NA	8.8 U	8.8 U	9.6 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	19 U	20 U	NA	NA	31 U	31 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	19 U	20 U	NA	NA	31 U	31 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	13.2	9.5	11.37	15	11.3	22.7	41.1	45.7	38.5	43.68	28

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				20. B-52 Crash Area										
Location ID:				OW20002	OW20003						OW20004			
Sample ID:				LORNG_OW20002_1	LORNG_OW20003_0	LORNG_OW20003_1	LORNG_OW20003_0	LORNG_OW20003_1	LORNG_OW20003_0	LORNG_OW20003_1	LORNG_OW20004_0	LORNG_OW20004_1	LORNG_OW20004_0	LORNG_OW20004_0
Sample Date:				0042024	8072022	0012022	5112023	0202023	5152024	0022024	8182022	0022022	5082023	5082023FD
Sample Depth (ft bgs):				10/4/2024	8/7/2022	10/1/2022	5/11/2023	10/20/2023	5/15/2024	10/2/2024	8/18/2022	10/2/2022	5/8/2023	5/8/2023
Sample Type:				25-35	23-33	23-33	23-33	23-33	23-33	23-33	19-29	19-29	19-29	19-29
Sample Type:				N	N	N	N	N	N	N	N	N	N	FD
Latitude:				46.9687417	46.9696456	46.9696456	46.9696456	46.9696456	46.9696456	46.9696456	46.9691469	46.9691469	46.9691469	46.9691469
Longitude:				-67.8907898	-67.8896105	-67.8896105	-67.8896105	-67.8896105	-67.8896105	-67.8896105	-67.8893833	-67.8893833	-67.8893833	-67.8893833
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.7 J	4 UJ	2 J	1.3 J	1.6 J	3.9 J	7.9 J	3.8 U	3.6 U	1.1 J	1.1 J
Perfluoropentanoic acid (PFPeA)	-	-	-	5.3	2 U	1.7 J	0.89 J	1.2 J	2.9 J	12.2	1.9 U	1.8 U	0.5 U	0.5 U
Perfluorohexanoic acid (PFHxA)	990	-	-	4.1	1.1 J	1.6 J	1 J	1.5 J	5.1	17.1	1.1 J	1.8 U	0.31 J	0.39 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	3.1	2 U	1.8 U	0.44 J	0.45 J	1.5 J	4.7	1.9 U	1.8 U	0.5 U	0.5 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	3.5	1.6 J	2 J	1.4 J	1.5 J	2.4 J	5.9	1.9 U	1.8 U	0.34 J	0.4 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.31 J	2 U	1.8 U	0.5 U	0.5 U	2 U	1.9 U	1.9 U	1.8 U	0.5 U	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.9 U	2 U	1.8 U	1 U	1 U	2 U	1.9 U	1.9 U	1.8 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.3 U	2 U	1.8 U	0.5 U	0.5 U	2 U	1.9 U	1.9 U	1.8 U	0.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.9 U	2 U	1.8 U	1 U	1 U	2 U	1.9 U	1.9 U	8.9 UJ	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.3 U	2 U	1.8 U	1 U	1 U	2 U	1.9 U	1.9 U	8.9 UJ	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.9 U	2 U	1.8 U	0.5 U	0.5 U	2 U	1.9 U	1.9 U	8.9 UJ	0.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.2 J	2.9 J	3.4 J	2.6	2.7	1.7 J	2.9 J	1.5 J	1 J	0.74 J	0.62 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.1 J	4.7	4.4	3.4	3.1	2.3 J	4.2 J	1.9 J	1.3 J	0.82 J	0.84 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	18	47.5	41.9	36	39	28.6	43.5	15.8	9.3	7.7	8.2
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.32 J	3.2 J	2.7 J	1.6	1.9	2.2 J	2.5 J	1.2 J	1.8 U	0.19 J	0.24 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	12	74.8 J	61.7	55	59	50.3	58.8	35.7	11.2	7.5	9.5
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.2 U	2 U	1.8 U	0.94 U	0.94 U	2 U	1.9 U	1.9 U	1.8 U	0.94 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.2 U	2 U	1.8 U	0.47 U	0.47 U	2 U	1.9 U	1.9 U	1.8 U	0.47 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.9 U	NA	NA	1 U	1 U	3.9 U	3.7 U	NA	NA	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.4 U	4 U	3.6 U	1.9 U	1.9 U	7.8 U	7.4 U	3.8 U	3.6 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.5 U	4 U	3.6 U	1.2 J	1.9 U	7.8 U	7.4 U	3.8 U	3.6 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	5 U	4 U	3.6 U	3.8 U	3.8 U	7.8 U	7.4 U	3.8 U	3.6 U	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.66 U	2 U	1.8 U	0.25 U	0.25 U	2 U	1.9 U	1.9 U	1.8 U	0.25 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1.3 U	4 UJ	18 UJ	1 U	1 U	3.9 U	3.7 U	19 UJ	18 U	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1.3 U	NA	NA	1 U	1 U	3.9 UJ	3.7 U	NA	NA	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.3 U	4 U	3.6 U	1 U	1 U	3.9 U	3.7 U	3.8 U	3.6 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.9 U	4 U	3.6 U	1 U	1 U	3.9 U	3.7 U	3.8 U	18 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	9 U	NA	NA	2.5 U	2.5 U	20 U	19 U	NA	NA	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	9 U	NA	NA	5 U	5 U	20 U	19 U	NA	NA	5 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.6 U	NA	NA	4 U	4 U	2 U	1.9 U	NA	NA	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.4 U	NA	NA	3.8 U	3.8 U	3.9 U	3.7 U	NA	NA	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	3.1 U	NA	NA	2 U	2 U	2 U	1.9 U	NA	NA	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	1.3 U	NA	NA	0.5 U	0.5 U	3.9 U	3.7 U	NA	NA	0.5 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	27 U	NA	NA	60 U	60 U	3.9 U	3.7 U	NA	NA	60 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.4 U	NA	NA	6.6 U	6.6 U	3.9 U	3.7 U	NA	NA	6.6 U	6.6 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	2.5 U	NA	NA	6.6 U	6.6 U	3.9 U	3.7 U	NA	NA	6.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.3 U	NA	NA	3.1 U	3.1 U	2 U	1.9 U	NA	NA	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	6.6 U	NA	NA	8.8 U	8.8 UJ	9.8 U	9.3 U	NA	NA	8.8 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	33 U	NA	NA	31 U	31 U	20 U	19 U	NA	NA	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	33 U	NA	NA	31 U	31 U	20 U	19 U	NA	NA	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	36.91	123.9	105.6	92.84	99.95	82.8	112.9	51.5	20.5	15.54	18.1

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				20. B-52 Crash Area										
Location ID:				OW20004						OW20005				
Sample ID:				LORNG_OW20004_1	LORNG_OW20004_1	LORNG_OW20004_0	LORNG_OW20004_0	LORNG_OW20004_1	LORNG_OW20004_1	LORNG_OW20005_0	LORNG_OW20005_1	LORNG_OW20005_0	LORNG_OW20005_1	LORNG_OW20005_0
Sample Date:				0132023	0132023FD	5102024	5102024FD	0032024	0032024FD	8182022	0022022	5082023	0172023	5102024
Sample Depth (ft bgs):				10/13/2023	10/13/2023	5/10/2024	5/10/2024	10/3/2024	10/3/2024	8/18/2022	10/2/2022	5/8/2023	10/17/2023	5/10/2024
Sample Type:				19-29	19-29	19-29	19-29	19-29	19-29	23-33	23-33	23-33	23-33	23-33
Latitude:				N	FD	N	FD	N	FD	N	N	N	N	N
Longitude:				46.9691469	46.9691469	46.9691469	46.9691469	46.9691469	46.9691469	46.9683921	46.9683921	46.9683921	46.9683921	46.9683921
Maine Sum of 6 MCL (ng/L)				-67.8893833	-67.8893833	-67.8893833	-67.8893833	-67.8893833	-67.8893833	-67.8891	-67.8891	-67.8891	-67.8891	-67.8891
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	1.5 J	1.3 J	1.7 J	3.6 U	1.9 J	1.8 J	2.7 J	3.3 J	4.5 J	3.2 J	5 J
Perfluoropentanoic acid (PFPeA)	-	-	-	0.5 U	0.5 U	1.8 U	1.8 U	1.8 U	1.9 U	3.9	4.7	7.2	3.6	4.6 J
Perfluorohexanoic acid (PFHxA)	990	-	-	0.31 J	0.35 J	1.8 U	1.8 U	1.8 U	1.9 U	2.6 J	3.5 J	4.9	3.2	3.5 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.5 U	0.18 J	1.8 U	1.8 U	1.8 U	1.9 U	2.3 J	2.8 J	3.2	2.6	2.6 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.38 J	0.53 J	0.91 U	0.91 U	0.91 U	0.93 U	3.5 J	3.8	4.5	3.3	4
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	0.5 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	0.5 U	0.16 J	1.8 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1 U	0.91 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.5 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	0.5 U	0.46 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1 U	0.91 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	1 U	0.91 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.5 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	0.5 U	0.46 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.9 J	0.88 J	0.62 J	0.63 J	0.8 J	0.76 J	1.3 J	1.6 J	1.3 J	1.3	1.2 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.73 J	0.86 J	3.6 U	3.6 U	1 J	3.7 U	1.8 J	2 J	1.4 J	1.5	1.4 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	8.4	8.9	5.8	5.7	8.7	7.6	19	18.6	19	18	16.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.21 J	0.27 J	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	0.64 J	0.67 J	0.82 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	8.8	9.7	2.6 J	2 J	10.8	9.1	21	22.5	20	19	20.5
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.94 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	0.94 U	0.86 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.47 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	0.47 U	0.43 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	3.6 U	3.6 U	3.6 U	3.7 U	NA	NA	1 U	0.91 U	3.6 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.9 U	7.3 U	7.3 U	7.3 U	7.5 U	3.7 U	3.6 U	1.9 U	1.7 U	7.3 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.9 U	7.3 U	7.3 U	7.3 U	7.5 U	3.7 U	3.6 U	1.9 U	1.7 U	7.3 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.8 U	7.3 U	7.3 U	7.3 U	7.5 U	3.7 U	3.6 U	3.8 U	3.5 U	7.3 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.25 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U	0.13 J	3.9	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	3.6 U	3.6 U	3.6 U	3.7 U	3.7 UJ	18 UJ	1 U	0.91 U	3.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	3.6 UJ	3.6 UJ	3.6 UJ	3.7 U	NA	NA	1 U	0.91 U	3.6 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	3.6 U	3.6 U	3.6 U	3.7 U	3.7 U	3.6 U	1 U	0.91 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1 U	3.6 U	3.6 U	3.6 U	3.7 U	3.7 U	3.6 U	1 U	0.91 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.5 U	18 U	18 U	18 U	19 U	NA	NA	2.5 U	4.9 J	18 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5 U	18 U	18 U	18 U	19 U	NA	NA	5 U	5.5 J	18 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4 U	1.8 U	1.8 U	1.8 U	1.9 U	NA	NA	4 U	3.7 U	1.8 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	3.6 U	3.6 U	3.6 U	3.7 U	NA	NA	3.8 U	3.5 U	3.6 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	NA	NA	2 U	1.8 U	1.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.5 U	3.6 U	3.6 U	3.6 U	3.7 U	NA	NA	0.5 U	0.46 U	3.6 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	60 U	3.6 U	3.6 U	3.6 U	3.7 U	NA	NA	60 U	55 U	3.6 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.6 U	3.6 U	3.6 U	3.6 U	3.7 U	NA	NA	6.6 U	6 U	3.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.6 U	3.6 U	3.6 U	3.6 U	3.7 U	NA	NA	6.6 U	6 U	3.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.1 U	1.8 U	1.8 U	1.8 U	1.9 U	NA	NA	3.1 U	2.8 U	1.8 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.8 U	9.1 U	9.1 U	9.1 U	9.3 U	NA	NA	8.8 U	8 U	9.1 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	31 U	18 U	18 U	18 U	19 U	NA	NA	31 U	28 U	18 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	31 U	18 U	18 U	18 U	19 U	NA	NA	31 U	28 U	18 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	17.58	19.31	8.4	7.7	19.5	16.7	45.8	47.7	46.7	43.06	44

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				20. B-52 Crash Area										
Location ID:				OW20005	OW20006						OW20007			
Sample ID:				LORNG_OW20005_1	LORNG_OW20006_0	LORNG_OW20006_1	LORNG_OW20006_0	LORNG_OW20006_1	LORNG_OW20006_0	LORNG_OW20006_1	LORNG_OW20007_0	LORNG_OW20007_0	LORNG_OW20007_0	LORNG_OW20007_1
Sample Date:				0032024	8022022	0012022	5102023	0252023	5202024	0082024	8032022	9302022	5092023	0192023
Sample Depth (ft bgs):				10/3/2024	8/2/2022	10/1/2022	5/10/2023	10/25/2023	5/20/2024	10/8/2024	8/3/2022	9/30/2022	5/9/2023	10/19/2023
Sample Type:				23-33	20-30	20-30	20-30	20-30	20-30	20-30	34-39	34-39	34-39	34-39
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9683921	46.967128	46.967128	46.967128	46.967128	46.967128	46.967128	46.9679302	46.9679302	46.9679302	46.9679302
Longitude:				-67.8891	-67.8802485	-67.8802485	-67.8802485	-67.8802485	-67.8802485	-67.8802485	-67.8793292	-67.8793292	-67.8793292	-67.8793292
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.7 J	7.5 J	10.9	8.8	9.7 J	7.6 J	11	8.5	8.4	5.5 J	5.9 J
Perfluoropentanoic acid (PFPeA)	-	-	-	3 J	18	22.4	18	21 J	15.8	22	14.9	16.6	10	9.6 J
Perfluorohexanoic acid (PFHxA)	990	-	-	2.5 J	16.5	19.7	17	21 J	15.9	21	12.9	15.3	9.2	8.3
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.8 J	16	22.2	18	21 J	16.2	22	13.5	17.2	7.7	8.3
Perfluorooctanoic acid (PFOA)	0.0027	4	-	3.2 J	17.9	25.1	22	24 J	17.5	23	18.7	19.8	7.4	9.6
Perfluorononanoic acid (PFNA)	5.9	10	-	2.3 U	1.7 J	3 J	1.7	2.3 J	1.9 J	2.5	1.4 J	1.8 J	0.83 J	0.87 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2.3 U	2 U	1.9 U	1 U	0.97 UJ	1.9 U	0.88 U	1.9 U	1.8 U	1 U	0.94 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2.3 U	2 U	1.9 U	0.5 U	0.49 UJ	1.9 U	1.3 U	1.9 U	1.8 U	0.5 U	0.47 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2.3 U	2 U	9.3 UJ	1 U	0.97 UJ	1.9 U	0.88 U	1.9 U	8.9 U	1 U	0.94 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2.3 U	2 U	9.3 UJ	1 U	0.97 UJ	1.9 U	1.3 U	1.9 U	8.9 U	1 U	0.94 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2.3 U	2 U	9.3 UJ	0.5 U	0.49 UJ	1.9 U	0.88 U	1.9 U	1.8 U	0.5 U	0.47 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1 J	2.7 J	3.6 J	3.1	3.6 J	3 J	3.7	2.6 J	3.2 J	1.4 J	2
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4.5 U	3.9 J	5.3	4.6	5.1 J	4.3 J	5.3	4.2	4.7	2	3
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	16.7	77	88.1	93	110 J	86	110	79.1	89.2	38	53
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.7 J	2.1 J	2.5 J	1.5 J	1.6 J	2.2 J	1.9	1.8 J	2.7 J	0.54 J	0.96 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	18.3	103	140	86	120 J	94.8	130	106	112	32	51
Perfluorononanesulfonic acid (PFNS)	-	-	-	2.3 U	2 U	1.9 U	0.94 U	0.91 UJ	1.9 U	1.2 U	1.9 U	1.8 U	0.94 U	0.88 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2.3 U	2 U	1.9 U	0.47 U	0.46 UJ	1.9 U	1.2 U	1.9 U	1.8 U	0.47 U	0.44 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4.5 U	NA	NA	1 U	0.97 UJ	3.8 U	0.88 U	NA	NA	1 U	0.94 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	9.1 U	4 U	3.7 U	1.9 U	1.8 UJ	7.5 U	3.3 U	3.7 U	3.6 U	1.9 U	1.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	9.1 U	4 U	3.7 U	1.9 U	1.8 UJ	7.5 U	3.4 U	3.7 U	28.9	1.9 U	1.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	9.1 U	4 U	3.7 U	3.8 U	3.7 UJ	7.5 U	4.9 U	3.7 U	3.6 U	3.8 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2.3 U	2 U	1.9 U	0.78 J	1.1 J	0.8 J	1 J	1.9 U	1.8 U	0.27 J	0.42 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4.5 U	4 UJ	19 U	1 U	0.97 UJ	3.8 UJ	1.3 U	19 UJ	18 U	1 U	0.94 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4.5 U	NA	NA	1 U	0.97 UJ	3.8 U	1.3 U	NA	NA	1 U	0.94 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4.5 U	4 U	3.7 U	1 U	0.97 UJ	3.8 U	1.3 U	3.7 U	3.6 U	1 U	0.94 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4.5 U	4 U	3.7 U	1 U	0.97 UJ	3.8 U	0.88 U	3.7 U	3.6 U	1 U	0.94 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	23 U	NA	NA	2.5 U	2.4 UJ	19 UJ	8.8 U	NA	NA	2.5 U	2.3 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	23 U	NA	NA	5 U	4.9 UJ	19 UJ	8.8 U	NA	NA	5 U	4.7 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2.3 U	NA	NA	4 U	3.9 UJ	1.9 U	3.5 U	NA	NA	4 U	3.8 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4.5 U	NA	NA	3.8 U	3.7 UJ	3.8 U	3.3 U	NA	NA	3.8 U	3.6 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.3 U	NA	NA	2 U	1.9 UJ	1.9 U	3 U	NA	NA	2 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4.5 U	NA	NA	0.5 U	0.49 UJ	3.8 U	1.3 U	NA	NA	0.5 U	0.47 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4.5 U	NA	NA	60 U	58 UJ	3.8 U	26 U	NA	NA	60 U	56 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4.5 U	NA	NA	6.6 U	6.4 UJ	3.8 U	3.3 U	NA	NA	6.6 U	6.2 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4.5 U	NA	NA	6.6 U	6.4 UJ	3.8 U	2.4 U	NA	NA	6.6 U	6.2 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.3 U	NA	NA	3.1 U	3 UJ	1.9 U	2.2 U	NA	NA	3.1 U	2.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	11 U	NA	NA	8.8 U	8.6 UJ	9.4 U	6.4 U	NA	NA	8.8 U	8.3 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	23 U	NA	NA	31 U	30 UJ	19 U	32 U	NA	NA	31 U	29 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	23 U	NA	NA	31 U	30 UJ	19 U	32 U	NA	NA	31 U	29 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	40	215.6	278.4	220.7	277.3	216.4	287.5	218.7	240	85.93	122.77

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1										
Area:				20. B-52 Crash Area		Butterfield Brook Drainage								
Location ID:				OW20007		BB_BW001								
Sample ID:				LORNG_OW20007_0	LORNG_OW20007_1	LORNG_BB_BW001_	LORNG_BB_BW001_	LORNG_BB_BW001_	LORNG_BB_BW001_	LORNG_BB_BW001_	LORNG_BB_BW001_	BB_BW003	BB_OW001	
Sample Date:				5/20/2024	01/16/2024	08/07/2022	10/01/2022	05/18/2023	10/16/2023	05/09/2024	10/02/2024	10/17/2024	08/07/2022	10/01/2022
Sample Depth (ft bgs):				34-39	34-39	60-70	60-70	60-70	60-70	60-70	60-70	136-146	35-45	35-45
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9679302	46.9679302	46.9622315	46.9622315	46.9622315	46.9622315	46.9622315	46.9622315	46.95859327	46.9622229	46.9622229
Longitude:				-67.8793292	-67.8793292	-67.8686282	-67.8686282	-67.8686282	-67.8686282	-67.8686282	-67.8686282	-67.86870993	-67.8686406	-67.8686406
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6 J	7.1 J	3.7 U	3.2 J	3.5 J	1.7 J	3.8 U	2.2 J	18.2	4 J	10
Perfluoropentanoic acid (PFPeA)	-	-	-	10.3	11.8	2.5 J	4.5	8.8	4	2.7 J	3.3 J	2 U	10.6	18.4
Perfluorohexanoic acid (PFHxA)	990	-	-	8.9	11	2.7 J	4.4	8.5	4.7	3.8	5.1	0.56 J	15.2	20.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	9.1	11.9	1.9 U	0.93 J	1.9	0.98 J	1.1 J	1.5 J	2 U	5.6	6.1
Perfluorooctanoic acid (PFOA)	0.0027	4	-	10.1	13.2	1.9 U	1.8 J	5.4	3.4	3.8	5.7	0.98 U	23.5	22.6
Perfluorononanoic acid (PFNA)	5.9	10	-	0.88 J	1.4 J	1.9 U	1.8 U	0.5 U	0.45 U	1.9 U	1.8 U	2 U	1.9 U	2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.9 U	1.9 U	1.8 U	1 U	0.91 U	1.9 U	1.8 U	2 U	1.9 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.9 U	1.9 U	1.8 U	0.5 U	0.45 U	1.9 U	1.8 U	2 U	1.9 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.9 U	1.9 U	1.8 U	1 U	0.91 U	1.9 U	1.8 U	2 U	1.9 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.9 U	1.9 U	1.8 U	1 U	0.91 U	1.9 U	1.8 U	2 U	1.9 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.9 U	1.9 U	8.9 U	0.5 U	0.45 U	1.9 U	1.8 U	2 U	1.9 U	10 UJ
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.3 J	2.5 J	1.9 U	0.94 J	1.4 J	1 J	1.1 J	1.6 J	2 U	5.3	6.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.9 J	3.6 J	1.9 U	1.8 U	1.2 J	0.78 J	3.8 U	1.5 J	3.9 U	5.7	5.4
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	57	66.1	1.4 J	3.6	16	11	11.8	18.7	2 U	96.2	67.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.4 J	1.7 J	1.9 U	1.8 U	0.47 U	0.43 U	1.9 U	1.8 U	2 U	2.3 J	1.7 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	50.6	66.6	1.9 U	1.8 U	2.8	3.3	3.2 J	4.9	2 U	72.8	51
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.9 U	1.9 U	1.8 U	0.94 U	0.85 U	1.9 U	1.8 U	2 U	1.9 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.9 U	1.9 U	1.8 U	0.47 U	0.43 U	1.9 U	1.8 U	2 U	1.9 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.8 U	3.8 U	NA	NA	1 U	0.91 U	3.8 U	3.6 U	3.9 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.5 U	7.7 U	3.7 U	3.6 U	1.9 U	1.7 U	7.5 U	7.1 U	7.8 U	3.7 U	4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.5 U	7.7 U	3.7 U	3.6 U	1.9 U	1.7 U	7.5 U	7.1 U	7.8 U	3.7 U	4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.5 U	7.7 U	3.7 U	3.6 U	3.8 U	3.5 U	7.5 U	7.1 U	7.8 U	3.7 U	4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	1.9 U	1.9 U	1.8 U	0.25 U	0.2 J	1.9 U	1.8 U	2 U	1.9 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.8 UJ	3.8 U	0 R	18 U	1 U	0.91 U	3.8 U	3.6 U	3.9 U	3.7 UJ	20 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.8 U	3.8 U	NA	NA	1 U	0.91 U	3.8 UJ	3.6 U	3.9 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	3.8 U	3.7 U	3.6 U	1 U	0.91 U	3.8 U	3.6 U	3.9 U	3.7 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	3.8 U	3.7 U	3.6 U	1 U	0.91 U	3.8 U	3.6 U	3.9 U	3.7 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 UJ	19 U	NA	NA	2.5 U	2.3 U	19 U	18 U	20 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 UJ	19 U	NA	NA	5 U	4.5 U	19 U	18 U	20 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	1.9 U	NA	NA	4 U	3.6 U	1.9 U	1.8 U	2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	NA	NA	3.8 U	3.5 U	3.8 U	3.6 U	3.9 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.9 U	NA	NA	2 U	1.8 U	1.9 U	1.8 U	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.8 U	3.8 U	NA	NA	0.5 U	0.45 U	3.8 U	3.6 U	3.9 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.8 U	3.8 U	NA	NA	60 U	55 U	3.8 U	3.6 U	3.9 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.8 U	3.8 U	NA	NA	6.6 U	6 U	3.8 U	3.6 U	3.9 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.8 U	3.8 U	NA	NA	6.6 U	6 U	3.8 U	3.6 U	3.9 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	1.9 U	NA	NA	3.1 U	2.8 U	1.9 U	1.8 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.4 U	9.6 U	NA	NA	8.8 U	8 U	9.4 U	8.9 U	9.8 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	19 U	NA	NA	31 U	28 U	19 U	18 U	20 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	19 U	NA	NA	31 U	28 U	19 U	18 U	20 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	127.68	159.2	1.4	6.33	26.1	18.68	19.9	30.8	10.98 U	198.1	147.6

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				1					2					
Area:				Butterfield Brook Drainage					18. Main Runway Foaming Area					
Location ID:				BB_OW001			BB_OW003		BW18006					
Sample ID:				LORNG_BB_OW001_	LORNG_BB_OW001_	LORNG_BB_OW001_	LORNG_BB_OW001_	LORNG_BB_OW003_	LORNG_BW18006_0	LORNG_BW18006_0	LORNG_BW18006_0	LORNG_BW18006_1	LORNG_BW18006_0	LORNG_BW18006_1
Sample Date:				05112023	10232023	05212024	10022024	10172024	8082022	9302022	5102023	0182023	5062024	0012024
Sample Depth (ft bgs):				5/11/2023	10/23/2023	5/21/2024	10/2/2024	10/17/2024	8/8/2022	9/30/2022	5/10/2023	10/18/2023	5/6/2024	10/1/2024
Sample Type:				35-45	35-45	35-45	35-45	18-28	49-59	49-59	49-59	49-59	49-59	49-59
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.9622229	46.9622229	46.9622229	46.9622229	46.9586025	46.9495347	46.9495347	46.9495347	46.9495347	46.9495347	46.9495347
Maine Sum of 6 MCL (ng/L)				-67.8686406	-67.8686406	-67.8686406	-67.8686406	-67.86871274	-67.8836687	-67.8836687	-67.8836687	-67.8836687	-67.8836687	-67.8836687
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4.8 J	2.6 J	7.4 J	4.6 J	3.9 U	3 J	2.5 J	4.3 J	3.5 J	3.6 J	4 J
Perfluoropentanoic acid (PFPeA)	-	-	-	11	6	14.8	9.2	1.9 U	4.2	4.1	6.9	5.4 J	4.4 J	6.1 J
Perfluorohexanoic acid (PFHxA)	990	-	-	15	8.2	15.9	14.6	1.9 U	2.2 J	2.3 J	3.9	3 J	2.6 J	3.3 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	3.8	2.7	2.5 J	5.5	1.9 U	1.6 J	1.7 J	2.7	2.1 J	2.1 J	2.4 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	16	13	9.5	19.9	0.97 U	2.2 J	1.9 J	2.2	2.4 J	2 J	2.2 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.58 J	0.43 J	2 U	0.81 J	1.9 U	2 U	2 U	0.5 U	0.5 UJ	1.9 U	2.3 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.1 U	2 U	1.9 U	1.9 U	2 U	2 U	1 U	1 UJ	1.9 U	2.3 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.54 U	2 U	1.9 U	1.9 U	2 U	2 U	0.5 U	0.5 UJ	1.9 U	2.3 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.1 U	2 U	1.9 U	1.9 U	2 U	2 U	1 U	1 UJ	1.9 U	2.3 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.1 U	2 U	1.9 U	1.9 U	2 U	2 U	1 U	1 UJ	1.9 U	2.3 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.54 U	2 U	1.9 U	1.9 U	2 U	2 U	0.5 U	0.5 UJ	1.9 U	2.3 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.2	2.6	2.1 J	4.6	1.9 U	2 U	2 U	0.71 J	0.76 J	0.56 J	0.61 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.5	2.8	2 J	5.3	3.9 U	2 U	2 U	0.64 J	0.5 J	3.8 U	4.5 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	63	51	29.3	93.8	1.6 J	3.5 J	4.6	6.3	6.1 J	5.6	5.7
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.86 J	0.82 J	0.5 J	1.8 J	1.9 U	2 U	2 U	0.47 U	0.47 UJ	1.9 U	2.3 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	39	40	13.8	53.5	0.87 J	2.2 J	2.3 J	2.7	2.8 J	2.1 J	1.8 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	1 U	2 U	1.9 U	1.9 U	2 U	2 U	0.94 U	0.94 UJ	1.9 U	2.3 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.51 U	2 U	1.9 U	1.9 U	2 U	2 U	0.47 U	0.47 UJ	1.9 U	2.3 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1.1 U	3.9 U	3.7 U	3.9 U	NA	NA	1 U	1 UJ	3.8 U	4.5 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	2.1 U	7.8 U	7.4 U	7.8 U	4 U	4 U	1.9 U	1.9 UJ	7.5 U	9.1 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	2.1 U	7.8 U	7.4 U	7.8 U	4 U	4 U	1.9 U	1.9 UJ	7.5 U	9.1 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	4.1 U	7.8 U	7.4 U	7.8 U	4 U	4 U	3.8 U	3.8 UJ	7.5 U	9.1 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.27 U	2 U	1.9 U	1.9 U	2 U	2 U	0.25 U	0.22 J	1.9 U	2.3 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1.1 U	3.9 UJ	3.7 U	3.9 U	20 UJ	20 UJ	1 U	1 UJ	3.8 U	4.5 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1.1 U	3.9 U	3.7 U	3.9 U	NA	NA	1 U	1 UJ	3.8 U	4.5 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1.1 U	3.9 U	3.7 U	3.9 U	4 U	4 U	1 U	1 UJ	3.8 U	4.5 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1.1 U	3.9 U	3.7 U	3.9 U	4 U	4 U	1 U	1 UJ	3.8 U	4.5 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.7 U	20 UJ	19 U	19 U	NA	NA	2.5 U	2.5 UJ	19 U	23 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5.4 U	20 UJ	19 U	19 U	NA	NA	5 U	5 UJ	19 U	23 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4.3 U	2 U	1.9 U	1.9 U	NA	NA	4 U	4 UJ	1.9 U	2.3 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	4.1 U	3.9 U	3.7 U	3.9 U	NA	NA	3.8 U	3.8 UJ	3.8 U	4.5 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2.2 U	2 U	1.9 U	1.9 U	NA	NA	2 U	2 UJ	1.9 U	2.3 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.54 U	3.9 U	3.7 U	3.9 U	NA	NA	0.5 U	0.5 UJ	3.8 U	4.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	65 U	3.9 U	3.7 U	3.9 U	NA	NA	60 U	60 UJ	3.8 U	4.5 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	7.1 U	3.9 U	3.7 U	3.9 U	NA	NA	6.6 U	6.6 UJ	3.8 U	4.5 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	7.1 U	3.9 U	3.7 U	3.9 U	NA	NA	6.6 U	6.6 UJ	3.8 U	4.5 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.3 U	2 U	1.9 U	1.9 U	NA	NA	3.1 U	3.1 UJ	1.9 U	2.3 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	9.5 UJ	9.8 U	9.3 U	9.7 U	NA	NA	8.8 U	8.8 UJ	9.4 U	11 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	33 U	20 U	19 U	19 U	NA	NA	31 U	31 UJ	19 U	23 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	33 U	20 U	19 U	19 U	NA	NA	31 U	31 UJ	19 U	23 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	122.38	107.13	55.1	173.51	2.47	9.5	10.5	13.9	13.4	11.8	12.1

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				2										
Area:				18. Main Runway Foaming Area										
Location ID:				BW18007								BW18008		
Sample ID:				LORNG_BW18007_0	LORNG_BW18007_0	LORNG_BW18007_1	LORNG_BW18007_1	LORNG_BW18007_0	LORNG_BW18007_1	LORNG_BW18007_0	LORNG_BW18007_1	LORNG_BW18008_0	LORNG_BW18008_1	LORNG_BW18008_0
Sample Date:				8062022	8062022FD	0012022	0012022FD	5182023	0112023	5032024	0012024	8082022	0012022	5182023
Sample Depth (ft bgs):				69-79	69-79	69-79	69-79	69-79	69-79	69-79	69-79	46-56	46-56	46-56
Sample Type:				N	FD	N	FD	N	N	N	N	N	N	N
Latitude:				46.9422571	46.9422571	46.9422571	46.9422571	46.9422571	46.9422571	46.9422571	46.9422571	46.9354451	46.9354451	46.9354451
Longitude:				-67.874342	-67.874342	-67.874342	-67.874342	-67.874342	-67.874342	-67.874342	-67.874342	-67.8747917	-67.8747917	-67.8747917
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4 UJ	2.3 J	3.1 J	3 J	0.6 J	1.8 UJ	3.8 U	4 U	2.3 J	3 J	2.6 J
Perfluoropentanoic acid (PFPeA)	-	-	-	2 UJ	1.9 U	1.8 U	1.8 U	0.53 J	0.41 J	1.9 U	2 U	1.5 J	1.8 U	1.2 J
Perfluorohexanoic acid (PFHxA)	990	-	-	2 UJ	1 J	1.3 J	1.2 J	0.6 J	0.45 J	1.9 U	0.55 J	1.9 J	1.4 J	2.6
Perfluoroheptanoic acid (PFHpA)	-	-	-	2 UJ	1.9 U	1.8 U	1.8 U	0.53 J	0.38 J	1.9 U	2 U	2 U	1.8 U	1.2 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2 UJ	1.2 J	1.1 J	1.1 J	0.89 J	0.74 J	0.85 J	0.63 J	2.5 J	2.7 J	4.1
Perfluorononanoic acid (PFNA)	5.9	10	-	2 UJ	1.9 U	1.8 U	1.8 U	0.5 U	0.45 UJ	1.9 U	2 U	2 U	1.8 U	0.26 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 UJ	1.9 U	1.8 U	1.8 U	1 U	0.9 UJ	1.9 U	2 U	2 U	1.8 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 UJ	1.9 U	1.8 U	1.8 U	0.5 U	0.45 UJ	1.9 U	2 U	2 U	1.8 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 UJ	1.9 U	1.8 U	1.8 U	1 U	0.9 UJ	1.9 U	2 U	2 U	8.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 UJ	1.9 U	1.8 U	1.8 U	1 U	0.9 UJ	1.9 U	2 U	2 U	8.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 UJ	1.9 U	1.8 U	8.9 U	0.5 U	0.45 UJ	1.9 U	2 U	2 U	8.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 UJ	1.9 U	1.8 U	3.2 J	0.2 J	0.4 UJ	1.9 U	2 U	2 U	1.8 U	0.68 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2 UJ	1.9 U	1.8 U	1.8 U	0.19 J	0.42 UJ	3.8 U	4 U	2 U	1.8 U	0.73 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2.5 J	2.7 J	2.7 J	2.7 J	2.8	2.6 J	2.6 J	2.5 J	17	16.4	37
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 UJ	1.9 U	1.8 U	1.8 U	0.47 U	0.42 UJ	1.9 U	2 U	2 U	1.8 U	0.51 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2 UJ	2.4 J	2.4 J	2.4 J	2.6	2.2 J	2.2 J	2.1 J	20.9	19.6	41
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 UJ	1.9 U	1.8 U	1.8 U	0.94 U	0.85 UJ	1.9 U	2 U	2 U	1.8 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 UJ	1.9 U	1.8 U	1.8 U	0.47 U	0.42 UJ	1.9 U	2 U	2 U	1.8 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	NA	NA	1 U	0.9 UJ	3.8 U	4 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4 UJ	3.7 U	3.6 U	3.6 U	1.9 U	1.7 UJ	7.7 U	7.9 U	4 U	3.6 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4 UJ	3.7 U	3.6 U	3.6 U	1.9 U	1.7 UJ	7.7 U	7.9 U	4 U	3.6 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4 UJ	3.7 U	3.6 U	3.6 U	3.8 U	3.4 UJ	7.7 U	7.9 U	4 U	3.6 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 UJ	1.9 U	1.8 U	1.8 U	0.25 U	0.23 UJ	1.9 U	2 U	2 U	8.9 U	0.27 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0 R	3.7 UJ	18 UJ	18 UJ	1 U	0.9 UJ	3.8 U	4 U	20 UJ	0 R	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	NA	NA	1 U	0.9 UJ	3.8 UJ	4 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 UJ	3.7 U	3.6 U	3.6 U	1 U	0.9 UJ	3.8 U	4 U	4 U	18 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 UJ	3.7 U	3.6 U	3.6 U	1 U	0.9 UJ	3.8 U	4 U	4 U	18 UJ	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	NA	NA	2.5 U	2.3 UJ	19 U	20 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	NA	NA	5 U	4.5 UJ	19 U	20 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	NA	NA	4 U	3.6 UJ	1.9 U	2 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	NA	NA	3.8 U	3.4 UJ	3.8 U	4 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	NA	NA	2 U	1.8 UJ	1.9 U	2 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	NA	NA	0.5 U	0.45 UJ	3.8 U	4 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	NA	NA	60 U	54 UJ	3.8 U	4 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	NA	NA	6.6 U	5.9 UJ	3.8 U	4 U	NA	NA	6.6 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	NA	NA	6.6 U	5.9 UJ	3.8 U	4 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	NA	NA	3.1 U	2.8 UJ	1.9 U	2 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	NA	NA	8.8 U	7.9 UJ	9.6 U	9.9 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	NA	NA	31 U	28 UJ	19 U	20 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	NA	NA	31 U	28 UJ	19 U	20 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	2.5	6.3	6.2	6.2	6.82	5.92	5.65	5.23	40.4	38.7	83.56

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				2										
Area:				18. Main Runway Foaming Area									19. KC-135 Crash Area	
Location ID:				BW18008			BW18009						BW19001	OW19001
Sample ID:				LORNG_BW18008_1	LORNG_BW18008_0	LORNG_BW18008_1	LORNG_BW18009_0	LORNG_BW18009_1	LORNG_BW18009_0	LORNG_BW18009_1	LORNG_BW18009_0	LORNG_BW18009_0	LORNG_BW19001_1	LORNG_OW19001_1
Sample Date:				0312023	6062024	0152024	8082022	0012022	5112023	0192023	5162024	9262024	0222024	0232024
Sample Depth (ft bgs):				10/31/2023	6/6/2024	10/15/2024	8/8/2022	10/1/2022	5/11/2023	10/19/2023	5/16/2024	9/26/2024	10/22/2024	10/23/2024
Sample Type:				46-56	46-56	46-56	45-55	45-55	45-55	45-55	45-55	45-55	100-110	15-25
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.9354451	46.9354451	46.9354451	46.9337349	46.9337349	46.9337349	46.9337349	46.9337349	46.9337349	46.93005433	46.93003692
Longitude:				-67.8747917	-67.8747917	-67.8747917	-67.8778963	-67.8778963	-67.8778963	-67.8778963	-67.8778963	-67.8778963	-67.87761969	-67.87761589
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	1.7 J	3.7 U	4.3 U	4 U	3.6 U	17	3.4 J	2.9 J	3.7 U	3.5 J	4 U
Perfluoropentanoic acid (PFPeA)	-	-	-	0.63 J	1.9 U	2.1 U	2 U	1.8 U	5.6	5.5 J-	2.2 U	1.9 U	2.1 U	2 U
Perfluorohexanoic acid (PFHxA)	990	-	-	0.73 J	1.5 J	1.3 J	2 U	1.2 J	13	0.75 J	0.97 J	1.9 U	2.3 J	2 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.52 J	0.97 J	0.74 J	2 U	1.1 J	8.9	0.46 J	2.2 U	1.9 U	0.55 J	2 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.5	2.3 J	1.9 J	2 U	1.1 J	11	0.81 J	0.95 J	0.92 J	2.5 J	0.99 U
Perfluorononanoic acid (PFNA)	5.9	10	-	0.17 J	1.9 U	2.1 U	2 U	1.8 U	1.6 J	0.39 J	2.2 U	1.9 U	2.1 U	2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.9 U	1.9 U	2.1 U	2 U	8.9 UJ	1 U	0.92 U	2.2 U	1.9 U	2.1 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.45 U	1.9 U	2.1 U	2 U	8.9 UJ	0.5 U	0.46 U	2.2 U	1.9 U	2.1 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.9 U	1.9 U	2.1 U	2 U	8.9 UJ	1 U	0.92 U	2.2 U	1.9 U	2.1 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.9 U	1.9 U	2.1 U	2 U	8.9 UJ	1 U	0.92 U	2.2 U	1.9 U	2.1 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.45 U	1.9 U	2.1 U	2 U	8.9 UJ	0.5 U	0.46 U	2.2 U	1.9 U	2.1 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.36 J	0.52 J	2.1 U	2 U	4	2.5	1 J	0.75 J	0.73 J	2.1 U	2 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.42 U	3.7 U	4.3 U	2 U	1.8 U	0.53 J	0.39 J	4.3 U	3.7 U	4.3 U	4 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	7.8	25.5	18.9	7.3	8	23	10	8.7	10.1	7.8	2.9 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.42 U	1.9 U	2.1 U	2 U	1.8 U	0.29 J	0.43 U	2.2 U	1.9 U	2.1 U	2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	11	21.2	15.2	1.6 J	1.8 UJ	6.3	3.8	2.9 J	2.8 J	2.5 U	2 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.84 U	1.9 U	2.1 U	2 U	1.8 UJ	0.94 U	0.86 U	2.2 U	1.9 U	2.1 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.42 U	1.9 U	2.1 U	2 U	1.8 UJ	0.47 U	0.43 U	2.2 U	1.9 U	2.1 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.9 U	3.7 U	4.3 U	NA	NA	1 U	0.92 U	4.3 U	3.7 U	4.3 U	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.7 U	7.5 U	8.5 U	4 U	18 U	1.9 UJ	1.7 U	8.6 U	7.5 U	8.5 U	7.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.7 U	7.5 U	8.5 U	4 U	3.6 U	1.9 U	1.7 U	8.6 U	7.5 U	8.5 U	7.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.4 U	7.5 U	8.5 U	4 U	3.6 UJ	3.8 U	3.5 U	8.6 U	7.5 U	8.5 U	7.9 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.22 U	0.76 J	2.1 U	2 U	1.8 U	0.25 U	0.16 J	2.2 U	1.9 U	2.1 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0.9 U	3.7 U	4.3 U	4 UJ	18 UJ	1 U	0.92 U	4.3 U	3.7 U	4.3 U	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	0.9 U	3.7 U	4.3 U	NA	NA	1 U	0.92 U	4.3 U	3.7 U	4.3 U	4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	0.9 U	3.7 U	4.3 U	4 U	18 UJ	1 U	0.92 U	4.3 U	3.7 U	4.3 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.9 U	3.7 U	4.3 U	4 U	18 UJ	1 U	0.92 U	4.3 U	3.7 U	4.3 UJ	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.2 U	19 U	21 U	NA	NA	2.5 U	2.3 U	22 UJ	19 U	21 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	4.5 U	19 U	21 U	NA	NA	5 U	4.6 U	22 UJ	19 U	21 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.6 U	1.9 U	2.1 U	NA	NA	4 U	3.7 U	2.2 U	1.9 U	2.1 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.4 U	3.7 U	4.3 U	NA	NA	3.8 U	3.5 U	4.3 U	3.7 U	4.3 U	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	1.9 U	2.1 U	NA	NA	2 U	1.8 U	2.2 U	1.9 U	2.1 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.45 U	3.7 U	4.3 U	NA	NA	0.5 U	0.46 U	4.3 U	3.7 U	4.3 U	4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	54 U	3.7 U	4.3 U	NA	NA	60 U	55 U	4.3 U	3.7 U	4.3 U	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	5.9 U	3.7 U	4.3 U	NA	NA	6.6 U	6 U	4.3 U	3.7 U	4.3 U	4 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	5.9 U	3.7 U	4.3 U	NA	NA	6.6 U	6 U	4.3 U	3.7 U	4.3 U	4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.8 U	1.9 U	2.1 U	NA	NA	3.1 U	2.8 U	2.2 U	1.9 U	2.1 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	7.9 U	9.3 U	11 U	NA	NA	8.8 U	8.1 UJ	11 U	9.3 U	11 U	9.9 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	28 U	19 U	21 U	NA	NA	31 U	28 U	22 U	19 U	21 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	28 U	19 U	21 U	NA	NA	31 U	28 U	22 U	19 U	21 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	20.99	49.97	36.74	8.9	10.2	50.8	15.46	12.55	13.82	10.85	2.9

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				2										
Area:				Butterfield Brook Drainage										
Location ID:				BB_BW002						BB_OW002				
Sample ID:				LORNG_BB_BW002_	LORNG_BB_BW002_	LORNG_BB_BW002_	LORNG_BB_BW002_	LORNG_BB_BW002_	LORNG_BB_BW002_	LORNG_BB_OW002_	LORNG_BB_OW002_	LORNG_BB_OW002_	LORNG_BB_OW002_	LORNG_BB_OW002_
Sample Date:				08092022	10012022	05102023	10062023	05072024	09242024	08092022	08092022FD	10012022	10012022FD	05102023
Sample Depth (ft bgs):				57-67	57-67	57-67	57-67	57-67	57-67	10-20	10-20	10-20	10-20	10-20
Sample Type:				N	N	N	N	N	N	N	FD	N	FD	N
Latitude:				46.9493934	46.9493934	46.9493934	46.9493934	46.9493934	46.9493934	46.9493876	46.9493876	46.9493876	46.9493876	46.9493876
Longitude:				-67.8538652	-67.8538652	-67.8538652	-67.8538652	-67.8538652	-67.8538652	-67.8538563	-67.8538563	-67.8538563	-67.8538563	-67.8538563
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4 U	3.7 U	2 U	2 U	4 U	3.8 U	3.7 U	4 U	3.6 U	19 U	2 U
Perfluoropentanoic acid (PFPeA)	-	-	-	2 U	1.9 U	0.5 U	0.5 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.5 U
Perfluorohexanoic acid (PFHxA)	990	-	-	2 U	1.9 U	0.5 U	0.5 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.5 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	2 U	1.9 U	0.5 U	0.5 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.5 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2 U	1.9 U	0.25 U	0.25 U	1 U	0.96 U	1.9 U	2 U	1.8 U	1.9 U	0.25 U
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	1.9 U	0.5 U	0.5 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1.9 U	1 U	1 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	1.9 U	0.5 U	0.5 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	1.9 U	1 U	1 U	2 U	1.9 U	1.9 U	2 U	1.8 U	9.3 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	1.9 U	1 U	1 U	2 U	1.9 U	1.9 U	2 U	1.8 U	9.3 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	1.9 U	0.5 U	0.5 U	2 U	1.9 U	1.9 U	2 U	1.8 U	9.3 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 U	1.9 U	0.44 U	0.44 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.44 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2 U	1.9 U	0.47 U	0.47 U	4 U	3.8 U	1.9 U	2 U	1.8 U	1.9 U	0.47 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2 U	1.9 U	0.47 U	0.47 U	2 U	1.9 U	1.1 J	2 U	1.4 J	1.4 J	0.63 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	1.9 U	0.47 U	0.47 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2 U	1.9 U	0.47 U	0.47 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.47 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	1.9 U	0.94 U	0.94 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	1.9 U	0.47 U	0.47 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	4 U	3.8 U	NA	NA	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4 U	3.7 U	1.9 U	1.9 U	8 U	7.7 U	3.7 U	4 U	3.6 U	19 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2.8 J	4.2 J	1.9 U	1.9 U	8 U	7.7 U	3.7 U	4 U	3.6 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4 U	3.7 U	3.8 U	3.8 U	8 U	7.7 U	3.7 U	4 U	3.6 U	3.7 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	1.9 U	0.25 J	0.25 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.9 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	20 U	19 U	1 U	1 U	4 U	3.8 U	19 U	4 U	18 U	19 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	4 U	3.8 U	NA	NA	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	3.7 U	1 U	1 U	4 U	3.8 U	3.7 U	4 U	3.6 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	3.7 U	1 U	1 U	4 U	3.8 U	3.7 U	4 U	3.6 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	20 U	19 U	NA	NA	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	20 U	19 U	NA	NA	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	2 U	1.9 U	NA	NA	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	4 U	3.8 U	NA	NA	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	2 U	1.9 U	NA	NA	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	4 U	3.8 U	NA	NA	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	4 U	3.8 U	NA	NA	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	4 U	3.8 U	NA	NA	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	NA	6.6 U	6.6 U	4 U	3.8 U	NA	NA	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	2 U	1.9 U	NA	NA	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	10 U	9.6 U	NA	NA	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	20 U	19 U	NA	NA	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	20 U	19 U	NA	NA	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	12 U	11.4 U	3.19 U	3.19 U	11 U	10.46 U	1.1	12 U	1.4	1.4	0.63

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				2										
Area:				Butterfield Brook Drainage			Greenlaw Brook Drainage						Noyes Pond Drainage	
Location ID:				BB_OW002			JBW7403						NP_BW001D	
Sample ID:				LORNG_BB_OW002_	LORNG_BB_OW002_	LORNG_BB_OW002_	LORNG_JBW7403_0	LORNG_JBW7403_0	LORNG_JBW7403_0	LORNG_JBW7403_1	LORNG_JBW7403_0	LORNG_JBW7403_1	LORNG_NP_BW001D	LORNG_NP-
Sample Date:				10062023	05092024	09242024	5182022	8312022	6062023	0112023	5212024	0082024	09292022	BW001D_10272022
Sample Depth (ft bgs):				10/6/2023	5/9/2024	9/24/2024	5/18/2022	8/31/2022	6/6/2023	10/11/2023	5/21/2024	10/8/2024	9/29/2022	10/27/2022
Sample Type:				10-20	10-20	10-20	26-82	26-82	26-82	26-82	26-82	26-82	245-255	245-255
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.9493876	46.9493876	46.9493876	46.9259006	46.9259006	46.9259006	46.9259006	46.9259006	46.9259006	46.9290967	46.9290967
Analyte				Longtitude:	-67.8538563	-67.8538563	-67.8538563	-67.8739376	-67.8739376	-67.8739376	-67.8739376	-67.8739376	-67.8521985	-67.8521985
	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2 U	3.8 U	3.8 U	1.9 U	3.7 U	2 U	1.8 UJ	3.7 U	3.1 U	3.6 U	3.6 UJ
Perfluoropentanoic acid (PFPeA)	-	-	-	0.5 U	1.9 U	1.9 U	0.93 U	1.9 U	0.5 U	0.45 UJ	1.9 U	1.6 U	21.8	15.3 J
Perfluorohexanoic acid (PFHxA)	990	-	-	0.5 U	1.9 U	1.9 U	0.93 U	1.9 U	0.5 U	0.45 UJ	1.9 U	0.57 U	1.8 U	1.8 UJ
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.5 U	1.9 U	1.9 U	0.93 U	1.9 U	0.5 U	0.45 UJ	1.9 U	0.79 U	1.8 U	1.8 UJ
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.25 U	0.96 U	0.94 U	0.93 U	1.9 U	0.25 U	0.23 UJ	0.93 U	0.79 U	1.8 U	1.8 UJ
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	1.9 U	1.9 U	0.93 U	1.9 U	0.5 U	0.45 UJ	1.9 U	0.57 U	1.8 U	1.8 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.9 U	1.9 U	0.93 U	1.9 U	1 U	0.9 UJ	1.9 U	0.79 U	1.8 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	1.9 U	1.9 U	0.93 U	1.9 U	0.5 U	0.45 UJ	1.9 U	1.2 U	1.8 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.9 U	1.9 U	0.93 U	1.9 U	1 U	0.9 UJ	1.9 U	0.79 U	1.8 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.9 U	1.9 U	0.93 U	1.9 U	1 U	0.9 UJ	1.9 U	1.2 U	1.8 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	1.9 U	1.9 U	0.93 U	1.9 U	0.5 U	0.45 UJ	1.9 U	0.79 U	1.8 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.44 U	1.9 U	1.9 U	0.93 U	1.9 U	0.44 U	0.4 UJ	1.9 U	0.5 U	1.8 U	1.8 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.47 U	3.8 U	3.8 U	0.93 U	1.9 U	0.47 U	0.42 UJ	3.7 U	0.54 U	1.8 U	1.8 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1.6	1.8 J	1.5 J	0.93 U	1.9 U	0.47 U	0.42 UJ	1.9 U	0.74 U	1.8 U	1.8 UJ
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	1.9 U	1.9 U	0.93 U	1.9 U	0.47 U	0.42 UJ	1.9 U	0.54 U	1.8 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.47 U	1.9 U	0.71 J	0.93 U	1.9 U	0.47 U	0.42 UJ	1.9 U	1.1 U	1.8 U	1.8 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	1.9 U	1.9 U	0.93 U	1.9 U	0.94 U	0.85 UJ	1.9 U	1.1 U	1.8 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	1.9 U	1.9 U	0.93 U	1.9 U	0.47 U	0.42 UJ	1.9 U	1.1 U	1.8 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	3.8 U	3.8 U	NA	NA	1 U	0.9 UJ	3.7 U	0.79 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	7.7 U	7.5 U	1.9 U	3.7 U	1.9 U	1.7 UJ	7.4 U	2.9 U	3.6 U	3.6 UJ
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	7.7 U	7.5 U	1.9 U	3.7 U	1.9 U	1.7 UJ	7.4 U	3 U	6.6 J	8.6
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	7.7 U	7.5 U	1.9 U	3.7 U	3.8 U	3.4 UJ	7.4 U	4.4 U	3.6 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	1.9 U	1.9 U	0.93 U	1.9 U	0.25 U	0.23 UJ	1.9 U	0.57 U	8.9 U	0 R
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	3.8 U	3.8 U	1.9 U	3.7 UJ	1 U	0.9 UJ	3.7 UJ	1.2 U	18 UJ	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	3.8 UJ	3.8 U	NA	NA	1 U	0.9 UJ	3.7 U	1.2 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	3.8 U	3.8 U	1.9 U	3.7 U	1 U	0.9 UJ	3.7 U	1.2 U	3.6 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	3.8 U	3.8 U	1.9 U	3.7 U	1 U	0.9 UJ	3.7 U	0.79 U	3.6 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	19 U	19 U	NA	NA	2.5 U	2.3 UJ	19 UJ	7.9 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	19 U	19 U	NA	NA	5 U	4.5 UJ	19 UJ	7.9 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	1.9 U	1.9 U	NA	NA	4 U	3.6 UJ	1.9 U	3.1 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	3.8 U	NA	NA	3.8 U	3.4 UJ	3.7 U	2.9 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.9 U	1.9 U	NA	NA	2 U	1.8 UJ	1.9 U	2.7 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	3.8 U	3.8 U	NA	NA	0.5 U	0.45 UJ	3.7 U	1.2 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	3.8 U	3.8 U	NA	NA	60 U	54 UJ	3.7 U	23 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	3.8 U	3.8 U	NA	NA	6.6 U	5.9 UJ	3.7 U	2.9 U	NA	NA
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	3.8 U	3.8 U	NA	NA	6.6 U	5.9 UJ	3.7 U	2.1 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	1.9 U	1.9 U	NA	NA	3.1 U	2.8 UJ	1.9 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	9.6 U	9.4 U	NA	NA	8.8 U	7.9 UJ	9.3 U	5.7 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	19 U	19 U	NA	NA	31 U	28 UJ	19 U	29 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	19 U	19 U	NA	NA	31 U	28 UJ	19 U	29 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1.6	1.8	2.21	5.58 U	11.4 U	3.19 U	2.87 U	10.43 U	4.78 U	10.8 U	10.8 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				2										
Area:				Noyes Pond Drainage										
Location ID:				NP_BW001D				NP_BW001S						
Sample ID:				LORNG_NP_BW001D	LORNG_NP_BW001D	LORNG_NP_BW001D	LORNG_NP_BW001D	LORNG_NP_BW001S	LORNG_NP- BW001S_10272022	LORNG_NP_BW001S	LORNG_NP_BW001S	LORNG_NP_BW001S	LORNG_NP_BW001S	NP_OW001 LORNG_NP_OW001_
Sample Date:				06072023	10102023	05072024	09242024	09292022	10/27/2022	06072023	10102023	05072024	09242024	09292022
Sample Depth (ft bgs):				245-255	245-255	245-255	245-255	122-132	122-132	122-132	122-132	122-132	122-132	5-15
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9290967	46.9290967	46.9290967	46.9290967	46.9290981	46.9290981	46.9290981	46.9290981	46.9290981	46.9290981	46.9290991
Longitude:				-67.8521985	-67.8521985	-67.8521985	-67.8521985	-67.8521965	-67.8521965	-67.8521965	-67.8521965	-67.8521965	-67.8521965	-67.852207
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2 U	2 U	4 U	3.9 U	3.9 U	3.6 UJ	2 U	2 U	4 U	3.8 U	3.6 U
Perfluoropentanoic acid (PFPeA)	-	-	-	0.5 U	0.5 U	2 U	1.9 U	2 U	12.3 J	0.5 U	0.5 U	2 U	1.9 U	1.8 U
Perfluorohexanoic acid (PFHxA)	990	-	-	0.5 U	0.15 J	2 U	1.9 U	2 U	1.8 UJ	0.5 U	0.5 U	2 U	1.9 U	1.8 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.5 U	0.5 U	2 U	1.9 U	2 U	1.8 UJ	0.5 U	0.5 U	2 U	1.9 U	1.8 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.25 U	0.25 U	1 U	0.97 U	2 U	1.8 UJ	0.25 U	0.25 U	1 U	0.95 U	1.8 U
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	0.5 U	2 U	1.9 U	2 U	1.8 U	0.5 U	0.5 U	2 U	1.9 U	1.8 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1 U	2 U	1.9 UJ	2 U	1.8 U	1 U	1 U	2 U	1.9 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.5 U	2 U	1.9 U	2 U	1.8 U	0.5 U	0.5 U	2 U	1.9 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	2 U	1.9 U	2 U	1.8 U	1 U	1 U	2 U	1.9 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	2 U	1.9 U	2 U	1.8 U	1 U	1 U	2 U	1.9 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.5 U	2 U	1.9 U	2 U	1.8 UJ	0.5 U	0.5 U	2 U	1.9 U	8.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.44 U	0.44 U	2 U	1.9 U	2 U	1.8 U	0.44 U	0.44 U	2 U	1.9 U	1.8 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.47 U	0.47 U	4 U	3.9 U	2 U	1.8 U	0.47 U	0.47 U	4 U	3.8 U	1.8 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.47 U	0.47 U	2 U	1.9 U	2 U	1.1 J	0.47 U	0.47 U	2 U	1.9 U	1.8 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	0.47 U	2 U	1.9 U	2 U	1.8 U	0.47 U	0.47 U	2 U	1.9 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.47 U	0.47 U	2 U	1.9 U	2 U	1.8 U	0.47 U	0.47 U	0.71 J	1.9 U	1.8 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.94 U	2 U	1.9 U	2 U	1.8 U	0.94 U	0.94 U	2 U	1.9 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.47 U	2 U	1.9 U	2 U	1.8 U	0.47 U	0.47 U	2 U	1.9 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	4 U	3.9 U	NA	NA	1 U	1 U	4 U	3.8 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.9 U	80 U	7.8 U	3.9 U	3.6 UJ	1.9 U	1.9 U	8 U	7.6 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	0.97 J	0.97 J	35.6 J	13 J	3.9 U	7.1	1.9 U	1.9 U	8 U	7.6 U	3.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.8 U	8 U	7.8 U	3.9 U	3.6 U	3.8 U	3.8 U	8 U	7.6 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.25 U	2 U	1.9 U	9.8 U	1.8 UJ	0.25 U	0.25 U	2 U	1.9 U	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	4 U	3.9 U	20 UJ	0 R	1 U	1 U	4 U	3.8 U	18 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	4 UJ	3.9 U	NA	NA	1 U	1 U	4 UJ	3.8 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	4 U	3.9 U	3.9 U	3.6 U	1 U	1 U	4 U	3.8 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1 U	4 U	3.9 U	3.9 U	3.6 U	1 U	1 U	4 U	3.8 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.5 U	20 U	19 U	NA	NA	2.5 U	2.5 U	20 U	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5 U	20 U	19 U	NA	NA	5 U	5 U	20 U	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4 U	2 U	1.9 U	NA	NA	4 U	4 U	2 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	4 U	3.9 U	NA	NA	3.8 U	3.8 U	4 U	3.8 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	2 U	1.9 U	NA	NA	2 U	2 U	2 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.5 U	4 U	3.9 U	NA	NA	0.5 U	0.5 U	4 U	3.8 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	60 U	4 U	3.9 U	NA	NA	60 U	60 U	4 U	3.8 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.6 U	4 U	3.9 U	NA	NA	6.6 U	6.6 U	4 U	3.8 U	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.6 U	4 U	3.9 U	NA	NA	6.6 U	6.6 U	4 U	3.8 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.1 U	2 U	1.9 U	NA	NA	3.1 U	3.1 U	2 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.8 U	10 U	9.7 U	NA	NA	8.8 U	8.8 U	10 U	9.5 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	31 U	20 U	19 U	NA	NA	31 U	31 U	20 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	31 U	20 U	19 U	NA	NA	31 U	31 U	20 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	3.19 U	3.19 U	11 U	10.47 U	12 U	1.1	3.19 U	3.19 U	0.71	10.45 U	10.8 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				2					3					
Area:				Noyes Pond Drainage					10. Nose Dock. No. 11					
Location ID:				NP_OW001					BW10006					
Sample ID:				LORNG_NP_OW001_10272022	LORNG_NP_OW001_05102023	LORNG_NP_OW001_10102023	LORNG_NP_OW001_05152024	LORNG_NP_OW001_09242024	LORNG_BW10006_05062022	LORNG_BW10006_09012022	LORNG_BW10006_09012022FD	LORNG_BW10006_05102023	LORNG_BW10006_05102023FD	LORNG_BW10006_0182023
Sample Date:				10/27/2022	5/10/2023	10/10/2023	5/15/2024	9/24/2024	5/6/2022	9/1/2022	9/1/2022	5/10/2023	5/10/2023	10/18/2023
Sample Depth (ft bgs):				5-15	5-15	5-15	5-15	5-15	88-98	88-98	88-98	88-98	88-98	88-98
Sample Type:				N	N	N	N	N	N	N	FD	N	FD	N
Latitude:				46.9290991	46.9290991	46.9290991	46.9290991	46.9290991	46.95250905	46.95250905	46.95250905	46.95250905	46.95250905	46.95250905
Longitude:				-67.852207	-67.852207	-67.852207	-67.852207	-67.852207	-67.89357347	-67.89357347	-67.89357347	-67.89357347	-67.89357347	-67.89357347
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.6 U	2 U	2 U	3.7 U	3.9 U	3.4 J	3.9 J	3.2 J	4.1 J	4 J	5.6 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.8 U	0.5 U	0.5 U	1.9 U	2 U	3.8	6	5.3	6	6	8.5 NJ
Perfluorohexanoic acid (PFHxA)	990	-	-	1.8 U	0.5 U	0.5 U	1.9 U	2 U	4.7	7.7	6.8	8.4	7.9	11 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.8 U	0.5 U	0.5 U	1.9 U	2 U	2.2 J	3.2 J	2.8 J	3.1	3	4.3 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.8 U	0.16 J	0.25 U	0.93 U	0.98 U	5.6	9	7.4	8.5	8.5	10 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	0.5 U	0.5 U	1.9 U	2 U	0.89 U	2 U	2.1 U	0.36 J	0.32 J	0.32 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1 U	1 U	1.9 U	2 U	0.89 U	2 U	2.1 U	1 U	1 U	1 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	0.5 U	0.5 U	1.9 U	2 U	0.89 U	2 U	2.1 U	0.5 U	0.5 U	0.5 UJ
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1 U	1 U	1.9 U	2 U	0.89 U	2 U	2.1 U	1 U	1 U	1 UJ
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1 U	1 U	1.9 U	2 U	0.89 U	2 U	2.1 U	1 U	1 U	1 UJ
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	0.5 U	0.5 U	1.9 U	2 U	0.89 U	2 U	2.1 U	0.5 U	0.5 U	0.5 UJ
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.8 U	0.44 U	0.44 U	1.9 U	2 U	2.6 J	2.5 J	2.1 U	2.3	2.3	2.3 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.8 U	0.47 U	0.47 U	3.7 U	3.9 U	2.3 J	3.1 J	2.1 J	2.8	2.9	3.4 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.89 J	0.38 J	0.37 J	1.9 U	1.7 J	25	40.7	33.2	41	41	42 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	0.47 U	0.47 U	1.9 U	2 U	0.89 U	1.2 J	2.1 U	0.61 J	0.57 J	0.76 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.91 J	0.56 J	0.68 J	0.65 J	1.2 J	21.4	38.4	31.8	38	35	38 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	0.94 U	0.94 U	1.9 U	2 U	0.89 U	2 U	2.1 U	0.94 U	0.94 U	0.94 UJ
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	0.47 U	0.47 U	1.9 U	2 U	0.89 U	2 U	2.1 U	0.47 U	0.47 U	0.47 UJ
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.7 U	3.9 U	NA	NA	NA	1 U	1 U	1 UJ
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.6 U	1.9 U	1.9 U	7.4 U	7.8 U	1.8 U	4 U	4.3 U	1.9 U	1.9 U	1.9 UJ
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.6 U	1.9 U	1.9 U	7.4 U	7.8 U	1.8 U	4 U	4.3 U	1.9 U	1.9 U	1.9 UJ
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.6 U	3.8 U	3.8 U	7.4 U	7.8 U	1.8 U	4 U	4.3 U	3.8 U	3.8 U	3.8 UJ
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 UJ	0.25 U	0.25 U	1.9 U	2 U	0.89 U	2 U	2.1 U	0.25 U	0.23 J	0.7 UJ
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0 R	1 U	1 U	3.7 U	3.9 U	1.8 U	20 UJ	21 UJ	1 U	1 U	1 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.7 UJ	3.9 U	NA	NA	NA	1 U	1 U	1 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	1 U	1 U	3.7 U	3.9 U	1.8 U	4 U	4.3 U	1 U	1 U	1 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	1 U	1 U	3.7 U	3.9 U	1.8 U	4 U	4.3 U	1 U	1 U	1 UJ
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	19 U	20 U	NA	NA	NA	2.5 U	2.5 U	2.5 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	19 U	20 U	NA	NA	NA	5 U	5 U	5 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	1.9 U	2 U	NA	NA	NA	4 U	4 U	4 UJ
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.7 U	3.9 U	NA	NA	NA	3.8 U	3.8 U	3.8 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.9 U	2 U	NA	NA	NA	2 U	2 U	2 UJ
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	3.7 U	3.9 U	NA	NA	NA	0.5 U	0.5 U	0.5 UJ
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	3.7 U	3.9 U	NA	NA	NA	60 U	60 U	60 UJ
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	3.7 U	3.9 U	NA	NA	NA	6.6 U	6.6 U	6.6 UJ
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	6.6 U	6.6 U	3.7 U	3.9 U	NA	NA	NA	6.6 U	6.6 U	6.6 UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	1.9 U	2 U	NA	NA	NA	3.1 U	3.1 U	3.1 UJ
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	9.3 U	9.8 U	NA	NA	NA	8.8 U	8.8 U	8.8 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	19 U	20 U	NA	NA	NA	31 U	31 U	31 UJ
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	19 U	20 U	NA	NA	NA	31 U	31 U	31 UJ
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1.8	1.1	1.05	0.65	2.9	54.2	91.3	75.2	90.96	87.82	94.62

Notes

See Table 1-1 for notes and Table 1-3 for information about screening levels.

* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				10. Nose Dock. No. 11										
Location ID:				BW10006					BW10007					
Sample ID:				LORNG_BW10006_1	LORNG_BW10006_0	LORNG_BW10006_0	LORNG_BW10006_0	LORNG_BW10006_0	LORNG_BW10007_0	LORNG_BW10007_0	LORNG_BW10007_0	LORNG_BW10007_1	LORNG_BW10007_0	LORNG_BW10007_0
Sample Date:				0182023FD	5202024	5202024FD	9262024	9262024FD	8082022	9292022	5092023	0182023	5152024	9262024
Sample Depth (ft bgs):				10/18/2023	5/20/2024	5/20/2024	9/26/2024	9/26/2024	8/8/2022	9/29/2022	5/9/2023	10/18/2023	5/15/2024	9/26/2024
Sample Type:				88-98	88-98	88-98	88-98	88-98	75-85	75-85	75-85	75-85	75-85	75-85
Latitude:				FD	N	FD	N	FD	N	N	N	N	N	N
Longitude:				46.95250905	46.95250905	46.95250905	46.95250905	46.95250905	46.9538352	46.9538352	46.9538352	46.9538352	46.9538352	46.9538352
				-67.89357347	-67.89357347	-67.89357347	-67.89357347	-67.89357347	-67.891237	-67.891237	-67.891237	-67.891237	-67.891237	-67.891237
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4.5 J	4.5 J	4.4 J	4.2 J	4.3 J	5.1 J	4.8 J	22	2 UJ	3.7 U	3.7 U
Perfluoropentanoic acid (PFPeA)	-	-	-	7.8 J	8.1	7.8 J	6.8 J	6.7 J	7.7	9.8	4.9	0.5 UJ	1.9 U	1.9 U
Perfluorohexanoic acid (PFHxA)	990	-	-	11 J	8.6	9.7	8.1	8	5.1	7	8.6	0.13 J	0.49 J	1.9 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	3.7 J	3.7 J	3.4 J	3 J	3.4 J	2.5 J	3.1 J	11	0.5 UJ	0.61 J	0.52 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	9.8 J	9.4	8.7	7	8	2.9 J	3.6	13	0.25 UJ	1.3 J	0.66 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.33 J	1.9 U	2 U	1.8 U	1.8 U	2 U	1.8 U	3.5	0.5 UJ	1.1 J	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 UJ	1.9 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1 U	1 UJ	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 UJ	1.9 U	2 U	1.8 U	1.8 U	2 U	1.8 U	0.5 U	0.5 UJ	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 UJ	1.9 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1 U	1 UJ	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 UJ	1.9 U	2 U	1.8 U	1.8 U	2 U	1.8 U	1 U	1 UJ	1.9 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 UJ	1.9 U	2 U	1.8 U	1.8 U	2 U	1.8 U	0.5 U	0.5 UJ	1.9 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 J	2.1 J	2.1 J	2.2 J	2.1 J	2 U	1.8 U	5.5	0.38 J	0.49 J	1.9 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.4 J	2.8 J	2.8 J	2.6 J	2.8 J	2 U	1.1 J	0.32 J	0.47 UJ	3.7 U	3.7 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	36 J	37.3	36.5	34.7	36.2	7.2	8.6	6.5	1.6 J	2.7 J	2.2 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.43 J	1 J	1.1 J	0.81 J	0.88 J	2 U	1.8 U	0.47 U	0.47 UJ	1.9 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	35 J	33.1	31.4	28.1	31.3	3.8 J	4.2	4	0.89 J	2.7 J	1.5 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 UJ	1.9 U	2 U	1.8 U	1.8 U	2 U	1.8 U	0.94 U	0.94 UJ	1.9 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 UJ	1.9 U	2 U	1.8 U	1.8 U	2 U	1.8 U	0.47 U	0.47 UJ	1.9 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 UJ	3.8 U	4 U	3.6 U	3.6 U	NA	NA	1 U	1 UJ	3.7 U	3.7 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 UJ	7.7 U	8 U	7.3 U	7.2 U	4 U	3.6 U	1.9 UJ	1.9 UJ	7.4 U	7.5 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 UJ	7.7 U	8 U	3.5 J	7.2 U	4 U	17.5	1.9 U	1.9 UJ	7.4 U	7.5 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 UJ	7.7 U	8 U	7.3 U	7.2 U	4 U	3.6 U	3.8 U	3.8 UJ	7.4 U	7.5 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.27 J	1.9 U	2 U	1.8 U	1.8 U	2 U	1.8 U	0.25 U	0.28 J	1.9 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 UJ	3.8 UJ	4 UJ	3.6 U	3.6 U	4 U	3.6 UJ	1 U	1 UJ	3.7 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 UJ	3.8 U	4 U	3.6 U	3.6 U	NA	NA	1 U	1 UJ	3.7 UJ	3.7 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 UJ	3.8 U	4 U	3.6 U	3.6 U	4 U	3.6 U	1 U	1 UJ	3.7 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 UJ	3.8 U	4 U	3.6 U	3.6 U	4 U	3.6 U	1 U	1 UJ	3.7 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	4.4 J	19 UJ	20 UJ	18 U	18 U	NA	NA	2.5 U	2.5 UJ	19 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 UJ	19 UJ	20 UJ	18 U	18 U	NA	NA	5 U	5 UJ	19 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 UJ	1.9 U	2 U	1.8 U	1.8 U	NA	NA	4 U	4 UJ	1.9 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 UJ	3.8 U	4 U	3.6 U	3.6 U	NA	NA	3.8 U	3.8 UJ	3.7 U	3.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 UJ	1.9 U	2 U	1.8 U	1.8 U	NA	NA	2 U	2 UJ	1.9 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 UJ	3.8 U	4 U	3.6 U	3.6 U	NA	NA	0.5 U	0.5 UJ	3.7 U	3.7 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 UJ	3.8 U	4 U	3.6 U	3.6 U	NA	NA	60 U	60 UJ	3.7 U	3.7 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 UJ	3.8 U	4 U	3.6 U	3.6 U	NA	NA	6.6 U	6.6 UJ	3.7 U	3.7 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 UJ	3.8 U	4 U	3.6 U	3.6 U	NA	NA	6.6 U	6.6 UJ	3.7 U	3.7 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 UJ	1.9 U	2 U	1.8 U	1.8 U	NA	NA	3.1 U	3.1 UJ	1.9 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 UJ	9.6 U	10 U	9.1 U	9 U	NA	NA	8.8 U	8.8 UJ	9.3 U	9.3 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 UJ	19 U	20 U	18 U	18 U	NA	NA	31 U	31 UJ	19 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 UJ	19 U	20 U	18 U	18 U	NA	NA	31 U	31 UJ	19 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	84.83	83.5	80	72.8	78.9	16.4	19.5	38	2.49	8.41	4.88

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				10. Nose Dock. No. 11										
Location ID:				BW10008						OW10005				
Sample ID:				LORNG_BW10008_0	LORNG_BW10008_1	LORNG_BW10008_0	LORNG_BW10008_1	LORNG_BW10008_0	LORNG_BW10008_1	LORNG_OW10005_0	LORNG_OW10005_0	LORNG_OW10005_0	LORNG_OW10005_0	LORNG_OW10005_1
Sample Date:				8092022	0022022	6082023	0302023	5212024	0152024	5062022	8312022	8312022FD	5102023	0202023
Sample Depth (ft bgs):				138-148	138-148	138-148	138-148	138-148	138-148	15-25	15-25	15-25	15-25	15-25
Sample Type:				N	N	N	N	N	N	N	N	FD	N	N
Latitude:				46.9523423	46.9523423	46.9523423	46.9523423	46.9523423	46.9523423	46.95252423	46.95252423	46.95252423	46.95252423	46.95252423
Longitude:				-67.8935434	-67.8935434	-67.8935434	-67.8935434	-67.8935434	-67.8935434	-67.89357735	-67.89357735	-67.89357735	-67.89357735	-67.89357735
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	5 J	10.9 J	1.7 J	1.4 J	3.8 U	3.5 J	6.6 J	7.1 J	7.5	6.8	8.2
Perfluoropentanoic acid (PFPeA)	-	-	-	3.3 J	7.3	2.5 J	1.9 J	1.2 J	2.3 U	7.4	13.5	12.5	9.5	12
Perfluorohexanoic acid (PFHxA)	990	-	-	3.6 J	8	3.8	3.7	2.2 J	2.3 U	6.4	7.5	7.5	11	14
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.3 J	2.3 J	0.83 J	0.7 J	1.9 U	1.7 J	4.3	8.7	8.2	5.7	6.9
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.8 J	4.9 J	2.2	1.1 J	1.2 J	1.5 J	5.9	7.7	7.2	7	8.4
Perfluorononanoic acid (PFNA)	5.9	10	-	2.2 U	3.1 U	0.5 U	0.49 U	1.9 U	2.3 U	0.87 J	2 U	1.9 U	0.7 J	0.71 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2.2 U	3.1 U	1 U	0.99 U	1.9 U	2.3 U	0.86 U	2 U	1.9 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2.2 U	16 UJ	0.5 U	0.49 U	1.9 U	2.3 U	0.86 U	2 U	1.9 U	0.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2.2 U	16 UJ	1 U	0.99 U	1.9 U	2.3 U	0.86 U	2 U	1.9 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2.2 U	16 UJ	1 U	0.99 U	1.9 U	2.3 U	0.86 U	2 U	1.9 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2.2 U	16 UJ	0.5 U	0.49 U	1.9 U	2.3 U	0.86 U	2 U	1.9 U	0.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.2 U	4.8 J	0.49 J	0.25 J	1.9 U	2.3 U	1.5 J	2 U	2 J	2.7	3
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.2 U	3.1 U	0.47 J	0.25 J	3.8 U	4.6 U	3.5	3.8 J	4.2	2.7	3.5
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	7.8	14.4	6.3	2.7	1.6 J	2.8 J	17.5	23.4	21.8	21	26
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2.2 U	3.1 U	0.47 U	0.46 U	1.9 U	2.3 U	0.86 U	2 U	1.9 U	0.39 J	0.46 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	4.3 J	10.1	3.4 J+	0.93 J	1.4 J	16.7	23.6	31.3	32.3	25	28
Perfluorononanesulfonic acid (PFNS)	-	-	-	2.2 U	3.1 U	0.94 U	0.93 U	1.9 U	2.3 U	0.86 U	2 U	1.9 U	0.94 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2.2 U	16 UJ	0.47 U	0.46 U	1.9 U	2.3 U	0.86 U	2 U	1.9 U	0.47 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	0.99 U	3.8 U	4.6 U	NA	NA	NA	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4.5 U	6.3 U	1.9 U	1.9 U	7.5 U	9.2 U	1.7 U	4 U	3.7 U	1.9 UJ	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4.5 J	23.8	14	4.8 J	3.3 J	9.2 U	1.7 U	4 U	3.7 U	0.91 J	0.99 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4.5 U	6.3 U	3.8 U	3.8 U	7.5 U	9.2 U	1.7 U	4 U	3.7 U	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2.2 U	3.1 U	0.25 U	0.25 U	1.9 U	1.9 J	0.86 U	2 U	9.3 U	0.16 J	0.39 UJ
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	22 UJ	31 U	1 U	0.99 U	3.8 UJ	4.6 U	1.7 U	20 U	19 UJ	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	0.99 U	3.8 U	4.6 U	NA	NA	NA	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4.5 U	31 U	1 U	0.99 U	3.8 U	4.6 U	1.7 U	4 U	3.7 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4.5 U	31 U	1 U	0.99 U	3.8 U	4.6 U	1.7 U	4 U	3.7 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	19 UJ	23 U	NA	NA	NA	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	4.9 U	19 UJ	23 U	NA	NA	NA	5 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	1.9 U	2.3 U	NA	NA	NA	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.8 U	4.6 U	NA	NA	NA	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	1.9 U	2.3 U	NA	NA	NA	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.49 U	3.8 U	4.6 U	NA	NA	NA	0.5 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	59 U	3.8 U	4.6 U	NA	NA	NA	60 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.5 U	3.8 U	4.6 U	NA	NA	NA	6.6 U	6.6 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6.5 U	3.8 U	4.6 U	NA	NA	NA	6.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	1.9 U	2.3 U	NA	NA	NA	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.7 U	9.4 U	11 U	NA	NA	NA	8.8 U	8.8 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	19 U	23 U	NA	NA	NA	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	19 U	23 U	NA	NA	NA	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	16.2	31.7	12.73	5.43	4.2	22.7	52.17	71.1	69.5	59.4	70.01

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				10. Nose Dock. No. 11								11. Nose Dock No. 40 Area		
Location ID:				OW10005		OW10007						AA11MW-01		
Sample ID:				LORNG_OW10005_0	LORNG_OW10005_0	LORNG_OW10007_0	LORNG_OW10007_1	LORNG_OW10007_0	LORNG_OW10007_1	LORNG_OW10007_0	LORNG_OW10007_1	LORNG_AA11MW01	LORNG_AA11MW01	LORNG_AA11MW01
Sample Date:				5202024	9272024	8312022	0032022	5092023	0172023	5152024	9252024	05072022	05072022FD	09282022
Sample Depth (ft bgs):				15-25	36-46	21-31	21-31	21-31	21-31	21-31	21-31	4-14	4-14	4-14
Sample Type:				N	N	N	N	N	N	N	N	N	FD	N
Latitude:				46.95252423	46.9589788	46.9538135	46.9538135	46.9538135	46.9538135	46.9538135	46.9538135	46.94570298	46.94570298	46.94570298
Longitude:				-67.89357735	-67.87462665	-67.8912319	-67.8912319	-67.8912319	-67.8912319	-67.8912319	-67.8912319	-67.90569104	-67.90569104	-67.90569104
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	8.6 J	9.9 J	5.5 J	7.2	28	0.54 J	4 J	2.9 J	3 J	3.2 J	9.7
Perfluoropentanoic acid (PFPeA)	-	-	-	11.2	13.3	10.8	9.2	12	0.27 J	4 J	4.1 J	4.8	5	22
Perfluorohexanoic acid (PFHxA)	990	-	-	11.9	10.3	7.5	8.4	13	0.5 J	2.8 J	2.4 J	6.3	6.6	35.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	6.1	7.3	3.9 J	3 J	12	0.29 J	1.4 J	1.2 J	2.9 J	3.1 J	13.5
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.3	7.1	5.4	3.9	12	0.24 J	1.4 J	1.5 J	3.7	3.7	17.6
Perfluorononanoic acid (PFNA)	5.9	10	-	0.76 J	1.1 J	2 U	1.8 U	2.2	0.48 U	1.8 U	1.9 U	0.86 U	0.86 U	1.4 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	2 U	2 U	1.8 U	1 U	0.97 U	1.8 U	1.9 U	0.86 U	0.86 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	2 U	2 U	1.8 U	0.5 U	0.48 U	1.8 U	1.9 U	0.86 U	0.86 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	2 U	2 U	1.8 U	1 U	0.97 U	1.8 U	1.9 U	0.86 U	0.86 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	2 U	2 U	1.8 U	1 U	0.97 U	1.8 U	1.9 U	0.86 U	0.86 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	2 U	2 U	1.8 U	0.5 U	0.48 U	1.8 U	1.9 U	4.3 U	4.3 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.2 J	3 J	1.9 J	2.3 J	2.9	0.52 J	0.7 J	1.9 U	2.4 J	2.5 J	15.6
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.5 J	2.8 J	1.4 J	1 J	0.63 J	0.17 J	3.6 U	3.8 U	3.6	3.6	18.5
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	18.7	22.9	16.7	10.4	8.6	2.8	6.6	5.9	28.2	30.1	133
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.58 J	0.91 J	2 U	1.8 U	0.47 U	0.45 U	1.8 U	1.9 U	1.8 J	1.6 J	8.8
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	27.4	34.1	12.7	8.8	4.6	0.99 J	2.7 J	3.6 J	58.2	57	363
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	2 U	2 U	1.8 U	0.94 U	0.91 U	1.8 U	1.9 U	0.86 U	0.86 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	2 U	2 U	1.8 U	0.47 U	0.45 U	1.8 U	1.9 U	0.86 U	0.86 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.8 U	4 U	NA	NA	1 U	0.97 U	3.6 U	3.8 U	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	75 U	81 U	4 U	3.5 U	1.9 U	1.8 U	7.3 U	7.6 U	1.7 U	1.7 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.5 U	8.1 U	4 U	3.5 U	1.9 U	3.1 J	7.3 U	7.6 U	1.7 U	1.7 U	2.4 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.5 U	8.1 U	4 U	3.5 U	3.8 U	3.7 U	7.3 U	7.6 U	1.7 U	1.7 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	2 U	2 U	1.8 U	0.25 U	0.74 J	1.8 U	1.9 U	0.86 U	0.86 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.8 UJ	4 U	4 UJ	0 R	1 U	0.97 U	3.6 U	3.8 U	0 R	8.6 UJ	3.7 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.8 U	4 U	NA	NA	1 U	0.97 UJ	3.6 UJ	3.8 U	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	4 U	4 U	3.5 U	1 U	0.97 U	3.6 U	3.8 U	1.7 U	1.7 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	4 U	4 U	3.5 U	1 U	0.97 U	3.6 U	3.8 U	1.7 U	1.7 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 UJ	20 U	NA	NA	2.5 U	2.4 U	18 U	19 U	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 UJ	20 U	NA	NA	5 U	2 J	18 U	19 U	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	2 U	NA	NA	4 U	3.9 U	1.8 U	1.9 U	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	4 U	NA	NA	3.8 U	3.7 U	3.6 U	3.8 U	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	2 U	NA	NA	2 U	1.9 U	1.8 U	1.9 U	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.8 U	4 U	NA	NA	0.5 U	0.48 U	3.6 U	3.8 U	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.8 U	4 U	NA	NA	60 U	58 U	3.6 U	3.8 U	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.8 U	4 U	NA	NA	6.6 U	6.4 U	3.6 U	3.8 U	NA	NA	NA
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.8 U	4 U	NA	NA	6.6 U	6.4 U	3.6 U	3.8 U	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	2 U	NA	NA	3.1 U	3 U	1.8 U	1.9 U	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.4 U	10 U	NA	NA	8.8 U	8.5 U	9.1 U	9.5 U	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	20 U	NA	NA	31 U	30 U	18 U	19 U	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	20 U	NA	NA	31 U	30 U	18 U	19 U	NA	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	58.26	72.5	38.7	26.1	39.4	4.32	12.1	12.2	93	93.9	528.5

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				11. Nose Dock No. 40 Area										
Location ID:				AA11MW-01				AA11MW-02				AA11MW-02		
Sample ID:				LORNG_AA11MW-01_05242023	LORNG_AA11MW-01_10262023	LORNG_AA11MW-01_06042024	LORNG_AA11MW-01_10112024	LORNG_AA11MW02_05072022	LORNG_AA11MW02_09282022	LORNG_AA11MW02_09282022FD	LORNG_AA11MW-02_05242023	LORNG_AA11MW-02_11022023	LORNG_AA11MW-02_06042024	LORNG_AA11MW-02_10112024
Sample Date:				5/24/2023	10/26/2023	6/4/2024	10/11/2024	5/7/2022	9/28/2022	9/28/2022	5/24/2023	11/2/2023	6/4/2024	10/11/2024
Sample Depth (ft bgs):				4-14	4-14	4-14	4-14	25-40	25-40	25-40	25-40	25-40	25-40	25-40
Sample Type:				N	N	N	N	N	N	FD	N	N	N	N
Latitude:				46.94570298	46.94570298	46.94570298	46.94570298	46.94574878	46.94574878	46.94574878	46.94574878	46.94574878	46.94574878	46.94574878
Longitude:				-67.90569104	-67.90569104	-67.90569104	-67.90569104	-67.90571904	-67.90571904	-67.90571904	-67.90571904	-67.90571904	-67.90571904	-67.90571904
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.4 J	7.4	6.6 J	10.4 J	8.4	10.7	9.7	11	16	9.4 J	10.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	14	15	15.9	26.4 J	17	22.6	21.4	24	38	23.9	25.6 J
Perfluorohexanoic acid (PFHxA)	990	-	-	20	26	24.1	44.9	20	36.4	32.8	33	58	35.2	41.9
Perfluoroheptanoic acid (PFHpA)	-	-	-	7.8	8	8.9	15.4	10.4	13.7	13.1	14	19	12.8	14.8
Perfluorooctanoic acid (PFOA)	0.0027	4	-	9.6	8.7	9.8	19	13.6	18.8	17.6	16	25	15.2	17.4
Perfluorononanoic acid (PFNA)	5.9	10	-	0.51 J	0.42 J	0.57 J	1.3 J	0.86 U	1.3 J	1.3 J	1.1 J	1.6	1.1 J	1.1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1 U	1.8 U	2 UJ	0.86 U	1.9 U	1.8 U	1 U	0.95 U	1.9 U	2 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.52 U	1.8 U	2 U	0.86 U	1.9 U	1.8 U	0.5 U	0.48 U	1.9 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	1.8 U	2 U	0.86 U	1.9 U	1.8 U	1 U	0.95 U	1.9 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	1.8 U	2 U	0.86 U	1.9 U	1.8 U	1 U	0.95 U	1.9 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.52 U	1.8 U	2 U	0.86 U	1.9 U	1.8 U	0.5 U	0.48 U	1.9 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	8.3	12	10.3	16.4	7.2	15.1	14	13	23	13.4	15.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	10	15	13.4	24.2	9.8	18.5	17.1	17	29	17.7	25.4
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	81	100	88.8	171	85.1	141	130	130	210	127	179
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	3.2	4.1	5.9	9.8	5.1	9	8.1	6.1	10	7.6	9.2
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	180	170	179	429	206	363	326	280	580	305	415
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.98 U	1.8 U	1.4 J	0.86 U	1.9 U	1.8 U	0.94 U	0.9 U	0.71 J	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.49 U	1.8 U	2 U	0.86 U	1.9 U	1.8 U	0.47 U	0.45 U	1.9 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	3.6 U	4 U	NA	NA	NA	1 U	0.95 U	3.7 U	3.9 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	2 U	7.3 U	8 U	1.7 U	3.7 U	3.6 U	1.9 U	1.8 U	7.4 U	7.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.3 J	3.3 J	7.3 U	3.5 J	1.7 U	2 J	1.8 J	2.1 J	6.7	7.4 U	7.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.9 U	7.3 U	8 U	1.7 U	3.7 U	3.6 U	3.8 U	3.6 U	7.4 U	7.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.26 U	1.8 U	2 U	0.86 U	1.9 U	1.8 U	0.55 J	0.47 J	1.9 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	3.6 UJ	4 U	1.7 U	3.7 UJ	3.6 UJ	1 U	0.95 U	3.7 UJ	3.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	3.6 U	4 U	NA	NA	NA	1 U	0.95 U	3.7 U	3.9 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	3.6 U	4 U	1.7 U	3.7 U	3.6 U	1 U	0.95 U	3.7 U	3.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1 U	3.6 U	4 U	1.7 U	3.7 U	3.6 U	1 U	0.95 U	3.7 U	3.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.6 U	18 UJ	20 U	NA	NA	NA	2.5 U	2.4 U	190 UJ	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5.2 U	18 UJ	20 U	NA	NA	NA	5 U	4.8 U	190 UJ	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4.2 U	1.8 U	2 U	NA	NA	NA	4 U	3.8 U	1.9 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.9 U	3.6 U	4 U	NA	NA	NA	3.8 U	3.6 U	3.7 U	3.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2.1 U	1.8 U	2 U	NA	NA	NA	2 U	1.9 U	1.9 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.52 U	3.6 U	4 U	NA	NA	NA	0.5 U	0.48 U	3.7 U	3.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	62 U	3.6 U	4 U	NA	NA	NA	60 U	57 U	3.7 U	3.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.9 U	3.6 U	4 U	NA	NA	NA	6.6 U	6.3 U	3.7 U	3.9 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.9 U	3.6 U	4 U	NA	NA	NA	6.6 U	6.3 U	3.7 U	3.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.2 U	1.8 U	2 U	NA	NA	NA	3.1 U	3 U	1.9 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	9.1 U	9.1 U	10 U	NA	NA	NA	8.8 U	8.4 U	9.3 U	9.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	32 U	18 U	20 U	NA	NA	NA	31 U	30 U	19 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	32 U	18 UJ	20 U	NA	NA	NA	31 U	30 U	19 UJ	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	278.91	287.12	287.07	635.7	315.1	537.8	488	441.1	835.6	461.1	627.3

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				11. Nose Dock No. 40 Area										
Location ID:				JBW7734										
Sample ID:				LORNG_JBW7734_0	LORNG_JBW7734_0	LORNG_JBW7734_0	LORNG_JBW7734_0	LORNG_JBW7734_1	LORNG_JBW7734_1	LORNG_JBW7734_0	LORNG_JBW7734_0	LORNG_JBW7734_0	LORNG_JBW7734_0	JBW7737B
Sample Date:				5072022	9272022	5232023	5232023FD	0252023	0252023FD	5212024	5212024FD	9262024	9262024FD	05062022
Sample Depth (ft bgs):				43-53	43-53	43-53	43-53	43-53	43-53	43-53	43-53	43-53	43-53	28-38
Sample Type:				N	N	N	FD	N	FD	N	FD	N	FD	N
Latitude:				46.94707777	46.94707777	46.94707777	46.94707777	46.94707777	46.94707777	46.94707777	46.94707777	46.94707777	46.94707777	46.94512182
Longitude:				-67.90388513	-67.90388513	-67.90388513	-67.90388513	-67.90388513	-67.90388513	-67.90388513	-67.90388513	-67.90388513	-67.90388513	-67.90633273
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.1 J	5.8 J	5 J	5.1 J	5.5 J	5.6 J	3.8 J	3.7 J	4.7 J	4.8 J	7.3
Perfluoropentanoic acid (PFPeA)	-	-	-	8.8	7.5	7.6	7.7	7.9 J	7.9 J	5.8 J	5.9 J	5.6 J	6.1 J	13.8
Perfluorohexanoic acid (PFHxA)	990	-	-	9.6	9.7	9.5	9.5	9.3 J	9.4 J	6.6	6.3	7.1	6.5	14
Perfluoroheptanoic acid (PFHpA)	-	-	-	6.9	8	6.1	6.2	7.2 J	6.5 J	4.7	4.8	5.7	5.8	9.3
Perfluorooctanoic acid (PFOA)	0.0027	4	-	8	11.3	7.6	7.9	8 J	8.2 J	5.6	5.4	6.2	6.8	12.3
Perfluorononanoic acid (PFNA)	5.9	10	-	0.89 U	1 J	0.76 J	0.85 J	1 J	0.94 J	0.71 J	0.7 J	0.79 J	0.9 J	1.6 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.89 U	1.8 U	1 U	1 U	0.91 UJ	0.97 UJ	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.89 U	1.8 U	0.5 U	0.5 U	0.45 UJ	0.48 UJ	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.89 U	1.8 U	1 U	1 U	0.91 UJ	0.97 UJ	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.89 U	1.8 U	1 U	1 U	0.91 UJ	0.97 UJ	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.89 U	1.8 U	0.5 U	0.5 U	0.45 UJ	0.48 UJ	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.4 J	4.4	2.4	2.6	3.2 J	3.2 J	1.7 J	1.8 J	2.4 J	2.2 J	4.3
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5	6.3	3.5	3.6	4.9 J	5 J	2.5 J	2.6 J	3.4 J	3.4 J	6.8
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	54.5	72	51	52	62 J	63 J	36.6	36.2	48.8	48.6	53.3
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2.5 J	2.7 J	1.3 J	1.2 J	1.8 J	1.8 J	1.2 J	1.1 J	1.7 J	1.8 J	3.5
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	79.1	95.8	65	66	90 J	87 J	43.2	44	50.5	52.7	181
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.89 U	1.8 U	0.94 U	0.94 U	0.86 UJ	0.91 UJ	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.89 U	1.8 U	0.47 U	0.47 U	0.43 UJ	0.46 UJ	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	0.91 UJ	0.97 UJ	3.8 U	3.8 U	3.9 U	3.9 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.8 U	3.6 U	1.9 U	1.9 U	1.7 UJ	1.8 UJ	7.6 U	7.5 U	7.8 U	7.8 U	1.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.8 U	3.6 U	1.9 U	1.9 U	1.7 UJ	1.8 UJ	7.6 U	7.5 U	7.8 U	7.8 U	1.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	1.8 U	3.6 U	3.8 U	3.8 U	3.5 UJ	3.7 UJ	7.6 U	7.5 U	7.8 U	7.8 U	1.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.89 U	1.8 U	0.36 J	0.45 J	0.5 J	0.39 J	1.9 U	1.9 U	1.9 U	1.9 U	0.86 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1.8 U	18 UJ	1 U	1 U	0.91 UJ	0.97 UJ	3.8 UJ	3.8 UJ	3.9 U	3.9 U	1.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	0.91 UJ	0.97 UJ	3.8 U	3.8 U	3.9 U	3.9 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.8 U	3.6 U	1 U	1 U	0.91 UJ	0.97 UJ	3.8 U	3.8 U	3.9 U	3.9 U	1.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1.8 U	3.6 U	1 U	1 U	0.91 UJ	0.97 UJ	3.8 U	3.8 U	3.9 U	3.9 U	1.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	2.3 UJ	2.4 UJ	19 UJ	19 UJ	19 U	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	4.5 UJ	4.8 UJ	19 UJ	19 UJ	19 U	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	3.6 UJ	3.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.5 UJ	3.7 UJ	3.8 U	3.8 U	3.9 U	3.9 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	1.8 UJ	1.9 UJ	1.9 U	1.9 U	1.9 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	0.45 UJ	0.48 UJ	3.8 U	3.8 U	3.9 U	3.9 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	55 UJ	58 UJ	3.8 U	3.8 U	3.9 U	3.9 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	6 UJ	6.4 UJ	3.8 U	3.8 U	3.9 U	3.9 U	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6.6 U	6 UJ	6.4 UJ	3.8 U	3.8 U	3.9 U	3.9 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	2.8 UJ	3 UJ	1.9 U	1.9 U	1.9 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	8 UJ	8.5 UJ	9.5 U	9.4 U	9.7 U	9.7 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	28 UJ	30 UJ	19 U	19 U	19 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	28 UJ	30 UJ	19 U	19 U	19 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	148.5	188.1	130.46	132.95	168.2	165.64	90.81	91.1	111.99	114.8	257.5

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				11. Nose Dock No. 40 Area										
Location ID:				JBW7737B										JMW-0241A
Sample ID:				LORNG_JBW7737B_05062022FD	LORNG_JBW7737B_09282022	LORNG_JBW7737B_05242023	LORNG_JBW7737B_05242023FD	LORNG_JBW7737B_10312023	LORNG_JBW7737B_10312023FD	LORNG_JBW7737B_05222024	LORNG_JBW7737B_05222024FD	LORNG_JBW7737B_10172024	LORNG_JBW7737B_10172024FD	LORNG_JMW0241A_05062022
Sample Date:				5/6/2022	9/28/2022	5/24/2023	5/24/2023	10/31/2023	10/31/2023	5/22/2024	5/22/2024	10/17/2024	10/17/2024	5/6/2022
Sample Depth (ft bgs):				28-38	28-38	28-38	28-38	28-38	28-38	28-38	28-38	28-38	28-38	65-75
Sample Type:				FD	N	N	FD	N	FD	N	FD	N	FD	N
Latitude:				46.94512182	46.94512182	46.94512182	46.94512182	46.94512182	46.94512182	46.94512182	46.94512182	46.94512182	46.94512182	46.95494302
Longitude:				-67.90633273	-67.90633273	-67.90633273	-67.90633273	-67.90633273	-67.90633273	-67.90633273	-67.90633273	-67.90633273	-67.90633273	-67.90658346
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	7.3	10.9	9.3	9.3	12	12	11.8 J	11.7 J	10 J	9.8 J	1.7 U
Perfluoropentanoic acid (PFPeA)	-	-	-	13.7	25	20	20	26	26	27.7	27.4	23.2	24.1	0.86 U
Perfluorohexanoic acid (PFHxA)	990	-	-	13.9	39	26	26	37	37	38	38.3	36.9	38.7	0.86 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	9.3	14.9	12	12	17	17	15.3	15.3	13.8	14.4	0.86 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	12.1	20.1	15	15	23	22	17.9	18	16.7	17.2	0.86 U
Perfluorononanoic acid (PFNA)	5.9	10	-	1.6 J	1.6 J	1.2 J	1.2 J	2.3	2.5	1.3 J	1.5 J	1.1 J	1.4 J	0.86 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.89 U	1.9 U	1 U	1 U	0.96 U	0.98 U	2 U	2 U	2 U	1.9 U	0.86 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.89 U	1.9 U	0.5 U	0.5 U	0.48 U	0.49 U	2 U	2 U	2 U	1.9 U	0.86 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.89 U	1.9 U	1 U	1 U	0.96 U	0.98 U	2 U	2 U	2 U	1.9 U	0.86 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.89 U	1.9 U	1 U	1 U	0.96 U	0.98 U	2 U	2 U	2 U	1.9 U	0.86 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.89 U	1.9 U	0.5 U	0.5 U	0.48 U	0.49 U	2 U	2 U	2 U	1.9 U	0.86 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	4.3	16.5	10	11	14	15	16.6	16.5	12.8	13.7	0.86 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5.9	19.9	13	13	17	18	21.1	22.2	17.4	19	0.86 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	53.3	144	120	110	130	150	151	155	143	152	1 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	3.6	9.9	4.8	4.5	7.2	7.8	11.2	10	8	8.6	0.86 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	185	416	270	250	460	390	381	288	408	385	0.86 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.89 U	1.9 U	0.94 U	0.94 U	0.91 U	0.92 U	1 J	0.73 J	2 U	1.9 U	0.86 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.89 U	1.9 U	0.47 U	0.47 U	0.45 U	0.46 U	2 U	2 U	2 U	1.9 U	0.86 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	0.96 U	0.98 U	3.9 U	4 U	4 U	3.8 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.8 U	3.7 U	1.9 U	1.9 U	1.8 U	1.9 U	7.8 U	8 U	7.9 U	7.7 U	1.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.8 U	3.7 U	1.9 U	0.82 J	1.4 J	1.5 J	7.8 U	8 U	7.9 U	7.7 U	1.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	1.8 U	3.7 U	3.8 U	3.8 U	3.7 U	3.7 U	7.8 U	8 U	7.9 U	7.7 U	1.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.9 J	1.9 U	0.52 J	0.47 J	1.2 J	1.5 J	0.72 J	0.68 J	2 U	1.9 U	0.86 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1.8 U	3.7 U	1 U	1 U	0.96 U	0.98 U	3.9 UJ	4 UJ	4 U	3.8 U	8.6 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	0.96 U	0.98 U	3.9 U	4 U	4 U	3.8 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.8 U	3.7 U	1 U	1 U	0.96 U	0.98 U	3.9 U	4 U	4 U	3.8 U	1.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1.8 U	3.7 U	1 U	1 U	0.96 U	0.98 U	3.9 U	4 U	4 U	3.8 U	1.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	2.4 U	2.4 U	20 UJ	20 UJ	20 U	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	4.8 U	4.9 U	20 UJ	20 UJ	20 U	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	3.9 U	3.9 U	2 U	2 U	2 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.7 U	3.7 U	3.9 U	4 U	4 U	3.8 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	1.9 U	2 U	2 U	2 U	2 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	0.48 U	0.49 U	3.9 U	4 U	4 U	3.8 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	58 U	59 U	3.9 U	4 U	4 U	3.8 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	6.4 U	6.5 U	3.9 U	4 U	4 U	3.8 U	NA
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6.6 U	6.4 U	6.5 U	3.9 U	4 U	4 U	3.8 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	3 U	3 U	2 U	2 U	2 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	8.5 U	8.6 U	9.8 U	10 U	9.9 U	9.6 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	30 U	30 U	20 U	20 U	20 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	30 U	30 U	20 U	20 U	20 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	261.3	596.6	418.2	388.2	632.3	581.5	566.5	477.8	582.6	570	1

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				11. Nose Dock No. 40 Area										12. Nose Dock No. 44
Location ID:				JMW-0241A					JPZ7601		JPZ7602		BW12005	
Sample ID:				LORNG_JMW0241A_08302022	LORNG_JMW-0241A_05182023	LORNG_JMW-0241A_10182023	LORNG_JMW-0241A_05062024	LORNG_JMW-0241A_10012024	LORNG_JPZ7601_06132024	LORNG_JPZ7601_09252024	LORNG_JPZ7602_06132024	LORNG_JPZ7602_10112024	LORNG_BW12005_05062022	LORNG_BW12005_09282022
Sample Date:				8/30/2022	5/18/2023	10/18/2023	5/6/2024	10/1/2024	6/13/2024	9/25/2024	6/13/2024	10/11/2024	5/6/2022	9/28/2022
Sample Depth (ft bgs):				65-75	65-75	65-75	65-75	65-75	5-15	5-15	37-47	37-47	49-59	49-59
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.95494302	46.95494302	46.95494302	46.95494302	46.95494302	46.94317735	46.94317735	46.76778134	46.76778134	46.94783745	46.94783745
Longitude:				-67.90658346	-67.90658346	-67.90658346	-67.90658346	-67.90658346	-67.90947743	-67.90947743	-67.65846241	-67.65846241	-67.90413745	-67.90413745
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.7 U	0.95 J	0.82 J	3.9 U	4.2 U	3.3 J	10.8 J	11.7 J	6.1 J	56.3	56.5
Perfluoropentanoic acid (PFPeA)	-	-	-	9.3 U	0.5 J	0.44 J	2 U	2.1 U	2.7 J	10.1	26.6	12.5	123	137
Perfluorohexanoic acid (PFHxA)	990	-	-	1.9 U	0.41 J	0.41 J	2 U	0.61 J	2.5 J	4.5 J	39.4	18.8	294	366
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.9 U	0.38 J	0.3 J	0.82 J	2.1 U	2.3 J	3.3 J	10.6	4.8	53	60.2
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.9 U	0.55 J	0.43 UJ	0.87 J	1 U	2.9 J	3 J	13.5	6.9	105	126
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	0.5 U	0.5 UJ	2 U	2.1 U	0.82 J	0.82 J	1.9 U	2 U	2.3 J	2.1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	1 UJ	2 U	2.1 U	1.9 U	2.5 U	1.9 U	2 U	0.89 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.5 UJ	2 U	2.1 U	1.9 U	2.5 U	1.9 U	2 U	0.89 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	1 UJ	2 U	2.1 U	1.9 U	2.5 U	1.9 U	2 U	0.89 U	1.9 U
Perfluorotridecanoic acid (PFTrDA)	-	-	-	1.9 U	1 U	1 UJ	2 U	2.1 U	1.9 U	2.5 U	1.9 U	2 U	0.89 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.5 UJ	2 U	2.1 U	1.9 U	2.5 U	1.9 U	2 U	0.89 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 U	0.18 J	0.44 UJ	2 U	2.1 U	0.67 J	1.3 J	16.6	8.3	125	150
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.9 U	0.47 U	0.47 UJ	3.9 U	4.2 U	3.8 U	5 U	19.3	9.9	144	150
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1.9 U	0.74 J	0.79 J	0.84 J	0.83 J	5.6	7.8	109	64.3	755	800
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	0.47 U	0.47 UJ	2 U	2.1 U	1.9 U	2.5 U	6.3	3.6 J	94.7	94.5 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.2 J	1.2 J	1.3 J	2 U	0.93 J	8.1	7.5	201	133	3570	3410
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.94 UJ	2 U	2.1 U	1.9 U	2.5 U	1.9 U	2 U	7.8	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.47 UJ	2 U	2.1 U	1.9 U	2.5 U	1.9 U	2 U	0.89 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 UJ	3.9 U	4.2 U	3.8 U	5 U	3.8 U	3.9 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	1.9 UJ	7.8 U	8.3 U	7.7 U	10 U	7.5 U	7.8 U	6.1 J	7.1 J
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2.2 J	0.8 J	1.9 UJ	7.8 U	8.3 U	7.7 U	10 U	4.5 J	7.8 U	173	198
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.8 U	3.8 UJ	7.8 U	8.3 U	7.7 U	10 U	7.5 U	7.8 U	37.7	40
Perfluorooctane sulfonamide (PFOSA)	-	-	-	9.3 UJ	0.25 U	0.25 UJ	2 U	2.1 U	1.9 U	2.5 U	0.64 J	2 U	8.6	7.7
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0 R	1 U	1 UJ	3.9 U	4.2 U	3.8 U	5 U	3.8 U	3.9 U	1.8 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 UJ	3.9 UJ	4.2 U	3.8 U	5 U	3.8 U	3.9 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	1 UJ	3.9 U	4.2 U	3.8 U	5 U	3.8 U	3.9 U	1.8 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1 U	1 UJ	3.9 U	4.2 U	3.8 U	5 U	3.8 U	3.9 U	1.8 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 UJ	20 U	21 U	19 U	25 U	19 U	20 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 UJ	20 U	21 U	19 U	25 U	19 U	20 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 UJ	2 U	2.1 U	1.9 U	2.5 U	1.9 U	2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 UJ	3.9 U	4.2 U	3.8 U	5 U	3.8 U	3.9 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 UJ	2 U	2.1 U	1.9 U	2.5 U	1.9 U	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 UJ	3.9 U	4.2 U	3.8 U	5 U	3.8 U	3.9 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 UJ	3.9 U	4.2 U	3.8 U	5 U	3.8 U	3.9 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 UJ	3.9 U	4.2 U	3.8 U	5 U	3.8 U	3.9 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	6.6 U	6.6 UJ	3.9 U	4.2 U	3.8 U	5 U	3.8 U	3.9 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 UJ	2 U	2.1 U	1.9 U	2.5 U	1.9 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 UJ	9.8 U	10 U	9.6 U	13 U	9.4 U	9.8 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 UJ	20 U	21 U	19 U	25 U	19 U	20 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 UJ	20 U	21 U	19 U	25 U	19 U	20 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1.2	2.87	2.39	2.53	1.76	19.72	22.42	334.1	209	4485.3	4398.3

Notes

See Table 1-1 for notes and Table 1-3 for information about screening levels.

* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				12. Nose Dock No. 44										
Location ID:				BW12005				BW12006						BW12007D
Sample ID:				LORNG_BW12005_0	LORNG_BW12005_1	LORNG_BW12005_0	LORNG_BW12005_1	LORNG_BW12006_0	LORNG_BW12006_1	LORNG_BW12006_0	LORNG_BW12006_1	LORNG_BW12006_0	LORNG_BW12006_1	LORNG_BW12007D_
Sample Date:				6072023	1012023	6102024	0112024	8092022	0012022	5242023	0312023	6042024	0042024	10162024
Sample Depth (ft bgs):				49-59	49-59	49-59	49-59	55-65	55-65	55-65	55-65	55-65	55-65	130-140
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.94783745	46.94783745	46.94783745	46.94783745	46.948312	46.948312	46.948312	46.948312	46.948312	46.948312	46.94320545
Longitude:				-67.90413745	-67.90413745	-67.90413745	-67.90413745	-67.9042646	-67.9042646	-67.9042646	-67.9042646	-67.9042646	-67.9042646	-67.909434
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	42	64 J	49	45.8	12.7	20.7 J	15	16	11.7 J	12.6 J	7.1 J
Perfluoropentanoic acid (PFPeA)	-	-	-	100	140 J	110	122	36	65.8	49	47	36.8	39.7	14.7
Perfluorohexanoic acid (PFHxA)	990	-	-	240	360	290	288	43.9	76.9	53	59	44.9	50.5	22.3
Perfluoroheptanoic acid (PFHpA)	-	-	-	39	60	51.2	50.2	17	33.9	22	23	19.9	23.4	7.1
Perfluorooctanoic acid (PFOA)	0.0027	4	-	77	130	91.3	93.3	21	41.4	32	31	24.4	28.2	8.8
Perfluorononanoic acid (PFNA)	5.9	10	-	1.5 J	1.7 J	1.5 J	2.1 J	1.4 J	2.5 J	2.4	2.3	2.1 J	2.8 J	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	10 U	1.9 U	2 U	1.9 U	8.9 UJ	1 U	0.98 U	1.9 U	2.7 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	5.1 U	1.9 U	2 U	1.9 U	8.9 UJ	0.5 U	0.49 U	1.9 U	2.7 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	10 U	1.9 U	2 U	1.9 U	8.9 UJ	1 U	0.98 U	1.9 U	2.7 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	10 U	1.9 U	2 U	1.9 U	8.9 UJ	1 U	0.98 U	1.9 U	2.7 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	5.1 U	1.9 U	2 U	1.9 U	8.9 UJ	0.5 U	0.49 U	1.9 U	2.7 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	96	150	120	121	15.5	27.2	19	23	15.7	13.7	9.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	110	180	154	135	20.2	38	25	29	21.4	21	11.5
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	580	930	678	649	137	213	210	240	163	191	68.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	64	91	72.6	81.9	13.3	19.4	14	14	14.2	16.8	4.7
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2200	3700	2830	2490	442	712	620	780	546	795	130
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.8 J	9.5 U	4.3	4.5 J	1.9 U	8.9 U	0.94 U	0.92 U	1.9 U	2.7 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	4.8 U	1.9 U	2 U	1.9 U	8.9 UJ	0.47 U	0.46 U	1.9 U	2.7 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	10 U	3.9 U	4 U	NA	NA	1 U	0.98 U	3.7 U	5.3 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.9 J	8.1 J	4.1 J	4.1 J	3.7 U	18 U	1.5 J	1.4 J	7.4 U	11 U	7.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	120	230	163	165	33.7	71	60	59	45.4	50.9	7.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	24	47 J	21.9	25	3.7 U	18 UJ	2 J	2.4 J	7.4 U	11 U	7.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	4.5	9.6 J	3.6 J	4.2	1.9 U	8.9 U	0.28 J	0.34 J	1.9 U	2.7 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	10 U	3.9 U	4 U	3.7 U	18 UJ	1 U	0.98 U	3.7 UJ	5.3 U	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	10 U	3.9 U	4 U	NA	NA	1 U	0.98 U	3.7 U	5.3 U	3.8 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	10 U	3.9 U	4 U	3.7 U	18 U	1 U	0.98 U	3.7 U	5.3 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	10 U	3.9 U	4 U	3.7 U	18 UJ	1 U	0.98 U	3.7 U	5.3 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	25 U	19 U	20 U	NA	NA	2.5 U	2.4 U	19 UJ	27 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	51 U	19 U	20 U	NA	NA	5 U	4.9 U	19 UJ	27 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	41 U	1.9 U	2 U	NA	NA	4 U	3.9 U	1.9 U	2.7 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	39 U	3.9 U	4 U	NA	NA	3.8 U	3.7 U	3.7 U	5.3 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	20 U	1.9 U	2 U	NA	NA	2 U	2 U	1.9 U	2.7 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	5.1 U	3.9 U	4 U	NA	NA	0.5 U	0.49 U	3.7 U	5.3 U	3.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	610 U	3.9 U	4 U	NA	NA	60 U	59 U	3.7 U	5.3 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	67 U	3.9 U	4 U	NA	NA	6.6 U	6.4 U	3.7 U	5.3 U	3.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	67 U	3.9 U	4 U	NA	NA	6.6 U	6.4 U	3.7 U	5.3 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	31 U	1.9 U	2 U	NA	NA	3.1 U	3 U	1.9 U	2.7 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	89 U	9.7 U	10 U	NA	NA	8.8 U	8.6 U	9.3 U	13 U	9.6 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	310 U	19 U	20 U	NA	NA	31 U	30 U	19 U	27 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	310 U	19 U	20 U	NA	NA	31 U	30 U	19 UJ	27 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	2897.5	4821.7	3652	3284.6	618.4	1002.8	886.4	1076.3	755.4	1040.4	214.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				12. Nose Dock No. 44										
Location ID:				BW12007I	BW12007S	OW12002						SB/OW12001		
Sample ID:				LORNG_BW12007I_1	LORNG_BW12007S_	LORNG_OW12002_0	LORNG_OW12002_1	LORNG_OW12002_0	LORNG_OW12002_1	LORNG_OW12002_0	LORNG_OW12002_0	LORNG_OW12001_0	LORNG_OW12001_0	LORNG_OW12001_0
Sample Date:				0162024	10152024	9012022	0032022	5252023	0272023	5242024	9262024	5062022	5062022FD	9012022
Sample Depth (ft bgs):				10/16/2024	10/15/2024	9/1/2022	10/3/2022	5/25/2023	10/27/2023	5/24/2024	9/26/2024	5/6/2022	5/6/2022	9/1/2022
Sample Type:				89-99	50-60	11-21	11-21	11-21	11-21	11-21	11-21	8-18	8-18	8-18
Latitude:				N	N	N	N	N	N	N	N	N	FD	N
Longitude:				46.94320521	46.94319372	46.9488212	46.9488212	46.9488212	46.9488212	46.9488212	46.9488212	46.94832823	46.94832823	46.94832823
				-67.90943477	-67.90943926	-67.9044354	-67.9044354	-67.9044354	-67.9044354	-67.9044354	-67.9044354	-67.90430186	-67.90430186	-67.90430186
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	5.7 J	4.4 J	9	22.7	14	10	9.9 J	9 J	42.9	46.8	20.3
Perfluoropentanoic acid (PFPeA)	-	-	-	12.3	8.8	21	62.1	41	27	28.2	20.5	105	116	36.6
Perfluorohexanoic acid (PFHxA)	990	-	-	18.1	11.9	17.2	47.3	35	23	23.9	16.9	236	260	38.3
Perfluoroheptanoic acid (PFHpA)	-	-	-	5.1	4.2	11.5	33.4	22	15	15.5	10.5	51.3	56.2	26.5
Perfluorooctanoic acid (PFOA)	0.0027	4	-	6.8	5.8	14.4	29.5	26	17	16.9	12.7	105	116	39.2
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	1.8 U	1.4 J	3.2 J	3.5	2.4	2.1 J	1.7 J	3.1 J	3.5	6.3
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.8 U	2 U	1.8 U	1 U	1 U	1.9 U	1.9 U	0.86 U	0.86 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.8 U	2 U	1.8 U	0.5 U	0.52 U	1.9 U	1.9 U	0.86 U	0.86 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.8 U	2 U	1.8 U	1 U	1 U	1.9 U	1.9 U	0.86 U	0.86 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.8 U	2 U	1.8 U	1 U	1 U	1.9 U	1.9 U	0.86 U	0.86 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.8 U	2 U	1.8 U	0.5 U	0.52 U	1.9 U	1.9 U	0.86 U	0.86 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	8.5	6.2	5.7	13.4	10	6.8	6.9	5.1	99.6	109	19.8
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	9.4	7.4	7.9	21.8	16	11	11.5	8.1	124	136	31
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	55.6	49.6	98.1	180	170	120	118	86.5	714	704	336
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	3.5 J	2.8 J	6.1	13.5	10	6.7	7.6	5.6	107	123	19.4
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	89.4	85.6	299	480	590	470	363	260	3660	4350	908
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.8 U	2 U	1.8 U	0.94 U	0.98 U	1.9 U	1.9 U	4.8	5.2	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.8 U	2 U	1.8 U	0.47 U	0.49 U	1.9 U	1.9 U	0.86 U	0.86 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.8 U	3.6 U	NA	NA	1 U	1 U	3.7 U	3.8 U	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.7 U	7.3 U	4 U	3.5 U	1.9 U	2 U	7.4 U	7.5 U	4.8 J	5.2 J	4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.7 U	7.3 U	13.6	42.4	33	19	20.4	11.7 J	168	184	4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.7 U	7.3 U	4 U	3.5 U	3.8 U	1.2 J	7.4 U	7.5 U	20.5	22.8	4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	1.8 U	2 U	1.8 U	0.63 J	0.42 J	1.9 U	1.9 U	3.1 J	3.1 J	10 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.8 U	3.6 U	4 UJ	3.5 U	1 U	1 U	3.7 UJ	3.8 U	34 U	34 U	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.8 U	3.6 U	NA	NA	1 U	1 U	3.7 U	3.8 U	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	3.6 U	4 U	3.5 U	1 U	1 U	3.7 U	3.8 U	1.7 U	1.7 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	3.6 U	4 U	3.5 U	1 U	1 U	3.7 U	3.8 U	1.7 U	1.7 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	18 U	NA	NA	2.5 U	2.6 U	19 UJ	19 U	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	18 U	NA	NA	5 U	5.2 U	19 UJ	19 U	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	1.8 U	NA	NA	4 U	4.2 U	1.9 U	1.9 U	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.6 U	NA	NA	3.8 U	4 U	3.7 U	3.8 U	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.8 U	NA	NA	2 U	2.1 U	1.9 U	1.9 U	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.8 U	3.6 U	NA	NA	0.5 U	0.52 U	3.7 U	3.8 U	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.8 U	3.6 U	NA	NA	60 U	63 U	3.7 U	3.8 U	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.8 U	3.6 U	NA	NA	6.6 U	6.9 U	3.7 U	3.8 U	NA	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.8 U	3.6 U	NA	NA	6.6 U	6.9 U	3.7 U	3.8 U	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	1.8 U	NA	NA	3.1 U	3.2 U	1.9 U	1.9 U	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.6 U	9.1 U	NA	NA	8.8 U	9.2 U	9.3 U	9.4 U	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	18 U	NA	NA	31 U	32 U	19 U	19 U	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	18 U	NA	NA	31 U	32 U	19 U	19 U	NA	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	156.9	145.2	424.4	726.1	811.5	624.4	515.5	371.4	4533.4	5229.7	1316

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				12. Nose Dock No. 44				13. Aircraft Hardstands						
Location ID:				SB/OW12001				BW13001						BW13002
Sample ID:				LORNG_SB/OW12001	LORNG_SB/OW1200	LORNG_SB/OW1200	LORNG_SB/OW1200	LORNG_BW13001_0	LORNG_BW13001_1	LORNG_BW13001_0	LORNG_BW13001_1	LORNG_BW13001_0	LORNG_BW13001_1	LORNG_BW13002_0
Sample Date:				1 06072023	1 11012023	1 06142024	1 10092024	8092022	0022022	5232023	0192023	6032024	0012024	8192022
Sample Depth (ft bgs):				6/7/2023	11/1/2023	6/14/2024	10/9/2024	8/9/2022	10/2/2022	5/23/2023	10/19/2023	6/3/2024	10/1/2024	8/19/2022
Sample Type:				8-18	8-18	8-18	8-18	45-55	45-55	45-55	45-55	45-55	45-55	51-61
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.94832823	46.94832823	46.94832823	46.94832823	46.9535487	46.9535487	46.9535487	46.9535487	46.9535487	46.9535487	46.9520955
				-67.90430186	-67.90430186	-67.90430186	-67.90430186	-67.9053801	-67.9053801	-67.9053801	-67.9053801	-67.9053801	-67.9053801	-67.9050209
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	9.6	25 J	19.1	33	2.3 J	3.6 J	1.6 J	1.7 U	3.6 U	26.1 J	3.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	18	57	44.2	94	1 J	1.3 J	0.97 J	0.44 U	1.8 U	1.4 J	5.2
Perfluorohexanoic acid (PFHxA)	990	-	-	24	99	70.2	140	1.1 J	1.6 J	1.2 J	1 J	0.84 J	2.4 J	3.3 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	14	30	28.4	46	0.97 J	1.3 J	0.92 J	0.55 J	0.56 J	1.5 J	1.6 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	23	51	37.2	81	1.9 U	1.1 J	0.98 J	0.78 J	0.63 J	1.4 J	1.1 J
Perfluorononanoic acid (PFNA)	5.9	10	-	5.4	5.7 J	4.2	5.1	1.9 U	2 U	0.35 J	0.2 J	1.8 U	1.9 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.34 J	8.9 U	1.9 U	1.9 U	1.9 U	2 U	1 U	0.87 U	1.8 U	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	4.5 U	1.9 U	2.7 U	1.9 U	2 U	0.5 U	0.44 U	1.8 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	8.9 U	1.9 U	1.9 U	1.9 U	2 U	1 U	0.87 U	1.8 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	8.9 U	1.9 U	2.7 U	1.9 U	2 U	1 U	0.87 U	1.8 U	1.9 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	4.5 U	1.9 U	1.9 U	1.9 U	2 U	0.5 U	0.44 U	1.8 U	1.9 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	11	42	32.6	57	1.9 U	2 U	0.42 J	0.41 J	1.8 U	0.62 J	1.9 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	17	51	59	82	1.9 U	2 U	0.32 J	0.28 J	3.6 U	3.7 U	1.9 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	220	460	397	680	4.4	7.3	4.8	3.6	3.7	8	2.3 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	18	30	26.3	50	1.9 U	2 U	0.47 U	0.41 U	1.8 U	1.9 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	900	2000	1110	2400	6.1	9.5	6.5	4.5	8.4	7.6	1.9 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	8.4 U	1.9 U	2.5 U	1.9 U	2 U	0.94 U	0.82 U	1.8 U	1.9 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	4.2 U	1.9 U	2.5 U	1.9 U	2 U	0.47 U	0.41 U	1.8 U	1.9 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	8.9 U	3.8 U	1.9 U	NA	NA	1 U	0.87 U	3.6 U	3.7 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 UJ	17 U	7.5 U	3.2 J	3.7 U	4 U	1.9 U	1.7 U	7.1 U	7.4 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.9 J	76	27.9	130	3.7 U	4 U	1.9 U	1.7 U	7.1 U	7.4 U	21
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 UJ	34 U	7.5 U	12 J	3.7 U	4 U	3.8 U	3.3 U	7.1 U	7.4 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	2 J	1.9 U	3.5	1.9 U	2 U	0.25 U	0.2 J	1.8 U	1.9 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	8.9 U	3.8 U	2.7 U	19 UJ	20 U	1 U	0.87 U	3.6 UJ	3.7 U	3.7 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	8.9 U	3.8 U	2.7 U	NA	NA	1 U	0.87 U	3.6 U	3.7 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	8.9 U	3.8 U	2.7 U	3.7 U	4 U	1 U	0.87 U	3.6 U	3.7 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	8.9 U	3.8 U	1.9 U	3.7 U	4 U	1 U	0.87 U	3.6 U	3.7 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	22 U	19 U	19 U	NA	NA	2.5 U	2.2 U	18 UJ	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	45 U	19 U	19 U	NA	NA	5 U	4.4 U	18 UJ	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	36 U	1.9 U	7.4 U	NA	NA	4 U	3.5 U	1.8 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	34 U	3.8 U	7 U	NA	NA	3.8 U	3.3 U	3.6 U	3.7 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	18 U	1.9 U	6.3 U	NA	NA	2 U	1.7 U	1.8 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	4.5 U	3.8 U	2.7 U	NA	NA	0.5 U	0.44 U	3.6 U	3.7 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	540 U	3.8 U	55 U	NA	NA	60 U	52 U	3.6 U	3.7 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	59 U	3.8 U	7 U	NA	NA	6.6 U	5.7 U	3.6 U	3.7 U	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	59 U	3.8 U	5.1 U	NA	NA	6.6 U	5.7 U	3.6 U	3.7 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	28 U	1.9 U	4.7 U	NA	NA	3.1 U	2.7 U	1.8 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	78 U	9.4 U	14 U	NA	NA	8.8 U	7.7 UJ	8.9 U	9.3 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	280 U	19 U	68 U	NA	NA	31 U	27 U	18 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	280 U	19 U	68 U	NA	NA	31 U	27 U	18 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1162.74	2546.7	1576.8	3212.1	11.47	19.2	13.55	9.63	13.29	18.5	6.9

Notes

See Table 1-1 for notes and Table 1-3 for information about screening levels.

* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				13. Aircraft Hardstands										
Location ID:				BW13002						BW13003				
Sample ID:				LORNG_BW13002_0	LORNG_BW13002_1	LORNG_BW13002_0	LORNG_BW13002_1	LORNG_BW13002_0	LORNG_BW13002_1	LORNG_BW13003_0	LORNG_BW13003_1	LORNG_BW13003_0	LORNG_BW13003_0	LORNG_BW13003_1
Sample Date:				8192022FD	0022022	6072023	0182023	5212024	0102024	8192022	0022022	6152023	6152023FD	0242023
Sample Depth (ft bgs):				51-61	51-61	51-61	51-61	51-61	51-61	50-60	50-60	50-60	50-60	50-60
Sample Type:				FD	N	N	N	N	N	N	N	N	FD	N
Latitude:				46.9520955	46.9520955	46.9520955	46.9520955	46.9520955	46.9520955	46.9459238	46.9459238	46.9459238	46.9459238	46.9459238
Longitude:				-67.9050209	-67.9050209	-67.9050209	-67.9050209	-67.9050209	-67.9050209	-67.9021539	-67.9021539	-67.9021539	-67.9021539	-67.9021539
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.4 J	3.6 J	2.9 J	2.5 J	2 J	3.9 U	8.8	12.7	6.7	5.9 J	6.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	5.3	5.2	4.9	4 J	2.5 J	2.8 J	13.4	20.9	12	10	16
Perfluorohexanoic acid (PFHxA)	990	-	-	3.3 J	3.6	3.8	2.8 J	1.6 J	1.4 J	11.2	20.3	11	9	15
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.6 J	1.9 J	1.8	2.2 J	0.71 J	0.64 J	15.6	33.6	14	12	19
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.2 J	1.6 J	1.2 J	0.91 UJ	0.52 J	0.8 J	11.7	23.4	14	13	19
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	1.8 U	0.5 U	0.5 UJ	1.9 U	1.9 U	1 J	1.8 J	1.9	2	2.6
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.8 U	1 U	1 UJ	1.9 U	1.9 U	2 U	1.8 U	1 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.8 U	0.5 U	0.5 UJ	1.9 U	1.9 U	2 U	1.8 U	0.5 U	0.5 U	0.52 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	8.9 UJ	1 U	1 UJ	1.9 U	1.9 U	2 U	1.8 U	1 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	8.9 UJ	1 U	1 UJ	1.9 U	1.9 U	2 U	1.8 U	1 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 UJ	8.9 UJ	0.5 U	0.5 UJ	1.9 U	1.9 U	2 U	9.1 U	0.5 U	0.5 U	0.52 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 U	1.8 U	0.38 J	0.24 J	1.9 U	1.9 U	2.7 J	9.4	2.1	1.8	3
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.9 U	1.8 U	0.24 J	0.47 UJ	3.7 U	3.9 U	2.2 J	5.1	2	1.5	3.4
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2.3 J	2.7 J	2.1	1.6 J	0.82 J	0.94 J	15.2	33.8	15	12	26
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	1.8 U	0.47 U	0.47 UJ	1.9 U	1.9 U	2 U	1.8 J	0.37 J	0.2 J	0.91 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.9 J	1.9 J	1.7	1.1 J	0.8 J	1.4 J	19.4	45.3	13	18	48
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.8 U	0.94 U	0.94 UJ	1.9 U	1.9 U	2 U	1.8 U	0.94 U	0.94 U	0.98 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.8 U	0.47 U	0.47 UJ	1.9 U	1.9 U	2 U	1.8 U	0.47 U	0.47 U	0.49 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 UJ	3.7 U	3.9 U	NA	NA	1 U	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	3.6 U	1.9 U	1.9 UJ	7.5 U	7.8 U	4 U	3.6 U	1.9 U	1.9 U	2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	21.5	6.6 J	3.4 J	4 J	7.5 U	7.8 U	2.8 J	13.6	1.9 U	1.9 U	2 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.6 U	3.8 U	3.8 UJ	7.5 U	7.8 U	4 U	3.6 U	3.8 U	3.8 U	4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	1.8 U	0.25 U	0.33 UJ	1.9 U	1.9 U	2 U	1.8 U	0.25 U	0.25 U	0.31 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	18 UJ	1 U	1 UJ	3.7 UJ	3.9 U	0 R	18 UJ	1 U	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 UJ	3.7 U	3.9 U	NA	NA	1 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	3.6 U	1 U	1 UJ	3.7 U	3.9 U	4 U	3.6 U	1 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	18 U	1 U	1 UJ	3.7 U	3.9 U	4 U	3.6 U	1 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 UJ	19 UJ	19 U	NA	NA	2.5 U	2.5 U	2.6 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 UJ	19 UJ	19 U	NA	NA	5 U	5 U	5.2 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 UJ	1.9 U	1.9 U	NA	NA	4 U	4 U	4.2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 UJ	3.7 U	3.9 U	NA	NA	3.8 U	3.8 U	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 UJ	1.9 U	1.9 U	NA	NA	2 U	2 U	2.1 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 UJ	3.7 U	3.9 U	NA	NA	0.5 U	0.5 U	0.52 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 UJ	3.7 U	3.9 U	NA	NA	60 U	60 U	63 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 UJ	3.7 U	3.9 U	NA	NA	6.6 U	6.6 U	6.9 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	NA	6.6 U	6.6 UJ	3.7 U	3.9 U	NA	NA	6.6 U	6.6 U	6.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 UJ	1.9 U	1.9 U	NA	NA	3.1 U	3.1 U	3.2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 UJ	9.3 U	9.7 U	NA	NA	8.8 U	8.8 U	9.2 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 UJ	19 U	19 U	NA	NA	31 U	31 U	32 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 UJ	19 U	19 U	NA	NA	31 U	31 U	32 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	7	8.1	6.8	4.9	2.85	3.78	62.9	137.9	57.9	57	114.6

Notes

See Table 1-1 for notes and Table 1-3 for information about screening levels.

* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3											
Area:				13. Aircraft Hardstands											
Location ID:				BW13003				BW14005				JBW7711			
Sample ID:				LORNG_BW13003_1	LORNG_BW13003_0	LORNG_BW13003_1	LORNG_BW14005_0	LORNG_BW14005_0	LORNG_BW14005_0	LORNG_BW14005_1	LORNG_BW14005_0	LORNG_BW14005_0	LORNG_BW14005_0	LORNG_JBW7711_0	LORNG_JBW7711_0
Sample Date:				0242023FD	5222024	0102024	5072022	8312022	5092023	0172023	5162024	9252024	5092022	9012022	
Sample Depth (ft bgs):				10/24/2023	5/22/2024	10/10/2024	5/7/2022	8/31/2022	5/9/2023	10/17/2023	5/16/2024	9/25/2024	5/9/2022	9/1/2022	
Sample Depth (ft bgs):				50-60	50-60	50-60	68-78	68-78	68-78	68-78	68-78	68-78	31-92	31-92	
Sample Type:				FD	N	N	N	N	N	N	N	N	N	N	
Latitude:				46.9459238	46.9459238	46.9459238	46.95482804	46.95482804	46.95482804	46.95482804	46.95482804	46.95482804	46.95577507	46.95577507	
Longitude:				-67.9021539	-67.9021539	-67.9021539	-67.89432918	-67.89432918	-67.89432918	-67.89432918	-67.89432918	-67.89432918	-67.89987132	-67.89987132	
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	
Perfluorobutanoic acid (PFBA)	1800	-	-	5.8 J	6.1 J	7.1 J	4.1 J	6 J	2.9 J	4.2 J	5.3 J	4.9 J	3.8 J	3.1 J	
Perfluoropentanoic acid (PFPeA)	-	-	-	16	10.6	12.7	6.2	0.95 J	4.2	5.8	8.3	6.9 J	3 J	3.3 J	
Perfluorohexanoic acid (PFHxA)	990	-	-	15	10.2	12.5	9.5	2.6 J	4	8.9	11.4	9.3	8.3	7.3	
Perfluoroheptanoic acid (PFHpA)	-	-	-	19	14.5	19	3.8	1.3 J	1.8	2.8	4.2	3.4 J	2.9 J	2.5 J	
Perfluorooctanoic acid (PFOA)	0.0027	4	-	19	13.7	24.2	11.7	2.8 J	4	8.1	10.5	8.4	10.9	10	
Perfluorononanoic acid (PFNA)	5.9	10	-	2.7	1.6 J	5.1	0.89 U	1.9 U	0.53 J	0.32 J	1.9 U	1.8 U	0.86 U	1.9 U	
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.9 U	2 U	0.89 U	1.9 U	1 U	0.89 U	1.9 U	1.8 U	0.86 U	1.9 U	
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.52 U	1.9 U	2 U	0.89 U	1.9 U	0.5 U	0.45 U	1.9 U	1.8 U	0.86 U	1.9 U	
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.9 U	2 U	0.89 U	1.9 U	1 U	0.89 U	1.9 U	1.8 U	0.86 U	1.9 U	
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.9 U	2 U	0.89 U	1.9 U	1 U	0.89 U	1.9 U	1.8 U	0.86 U	1.9 U	
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.52 U	1.9 U	2 U	0.89 U	1.9 U	0.5 U	0.45 U	1.9 U	1.8 U	0.86 U	1.9 U	
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3	2.5 J	3.4 J	2.9 J	1.9 U	1.1 J	2.1	2.7 J	2.7 J	2.4 J	2.5 J	
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.5	3 J	4.1 J	4.2	1.9 U	0.82 J	2.5	3.5 J	3.4 J	3.4	3.2 J	
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	27	22.6	31.3	48.7	1.3 J	10	31	46.8	40.8	65.8	78.8	
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.86 J	0.96 J	1.2 J	1.6 J	1.9 U	0.47 U	0.52 J	1.4 J	1.3 J	2.1 J	2.2 J	
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	48	35.5	55.4	45.3	1.5 J	7.7	25	37.8	37.5	108	117	
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.98 U	1.9 U	2 U	0.89 U	1.9 U	0.94 U	0.84 U	1.9 U	1.8 U	0.86 U	1.9 U	
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.49 U	1.9 U	2 U	0.89 U	1.9 U	0.47 U	0.42 U	1.9 U	1.8 U	0.86 U	1.9 U	
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	3.7 U	4 U	NA	NA	1 U	0.89 U	3.8 U	3.6 U	NA	NA	
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	2 U	7.4 U	8 U	1.8 U	3.7 U	1.9 U	1.7 U	7.7 U	7.2 U	1.7 U	3.7 U	
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2 U	7.4 U	8 U	1.8 U	11	1.8 J	0.95 J	7.7 U	7.2 U	1.7 U	3.7 U	
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4 U	7.4 U	8 U	1.8 U	3.7 U	3.8 U	3.4 U	7.7 U	7.2 U	1.7 U	3.7 U	
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.3 U	1.9 U	2 U	0.89 U	1.9 U	0.25 U	0.46 J	1.9 U	1.8 U	1.4 J	1.3 J	
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	3.7 UJ	4 U	1.8 U	0 R	1 U	0.89 U	3.8 U	3.6 U	1.7 U	3.7 UJ	
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	3.7 U	4 U	NA	NA	1 U	0.89 U	3.8 U	3.6 U	NA	NA	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	3.7 U	4 U	1.8 U	3.7 U	1 U	0.89 U	3.8 U	3.6 U	1.7 U	3.7 U	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	3.7 U	4 U	1.8 U	3.7 U	1 U	0.89 U	3.8 U	3.6 U	1.7 U	3.7 U	
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.6 U	19 UJ	20 U	NA	NA	2.5 U	2.2 U	19 UJ	18 U	NA	NA	
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5.2 U	19 UJ	20 U	NA	NA	5 U	4.5 U	19 UJ	18 U	NA	NA	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4.2 U	1.9 U	2 U	NA	NA	4 U	3.6 U	1.9 U	1.8 U	NA	NA	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4 U	3.7 U	4 U	NA	NA	3.8 U	3.4 U	3.8 U	3.6 U	NA	NA	
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.1 U	1.9 U	2 U	NA	NA	2 U	1.8 U	1.9 U	1.8 U	NA	NA	
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.52 U	3.7 U	4 U	NA	NA	0.5 U	0.45 U	3.8 U	3.6 U	NA	NA	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	63 U	3.7 U	4 U	NA	NA	60 U	54 U	3.8 U	3.6 U	NA	NA	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.9 U	3.7 U	4 U	NA	NA	6.6 U	5.9 U	3.8 U	3.6 U	NA	NA	
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.9 U	3.7 U	4 U	NA	NA	6.6 U	5.9 U	3.8 U	3.6 U	NA	NA	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.2 U	1.9 U	2 U	NA	NA	3.1 U	2.8 U	1.9 U	1.8 U	NA	NA	
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.2 U	9.3 U	10 U	NA	NA	8.8 U	7.9 U	9.6 U	9 U	NA	NA	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	32 U	19 U	20 U	NA	NA	31 U	28 U	19 U	18 U	NA	NA	
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	32 U	19 U	20 U	NA	NA	31 U	28 U	19 U	18 U	NA	NA	
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	115.7	87.9	135	109.5	6.9	24.03	67.22	99.3	90.1	187.6	208.3	

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				13. Aircraft Hardstands										
Location ID:				JBW7711				JMW-0406				JMW-0416B		
Sample ID:				LORNG_JBW7711_0	LORNG_JBW7711_1	LORNG_JBW7711_0	LORNG_JBW7711_1	LORNG_JMW0406_0	LORNG_JMW-0406_05232023	LORNG_JMW-0406_10252023	LORNG_JMW-0406_05172024	LORNG_JMW-0406_09262024	LORNG_JMW0416B_05072022	LORNG_JMW0416B_08302022
Sample Date:				6/14/2023	10/26/2023	6/12/2024	10/17/2024	5/6/2022	5/23/2023	10/25/2023	5/17/2024	9/26/2024	5/7/2022	8/30/2022
Sample Depth (ft bgs):				31-92	31-92	31-92	31-92	6-16	6-16	6-16	6-16	6-16	9-19	9-19
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.95577507	46.95577507	46.95577507	46.95577507	46.94724274	46.94724274	46.94724274	46.94724274	46.94724274	46.94677707	46.94677707
Longitude:				-67.89987132	-67.89987132	-67.89987132	-67.89987132	-67.8979756	-67.8979756	-67.8979756	-67.8979756	-67.8979756	-67.89503253	-67.89503253
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.5 J	4.1 J	3.2 J	4 U	10.3	5.6 J	3.6 J	3.2 J	6.6 J	6.4 J	4.5 J
Perfluoropentanoic acid (PFPeA)	-	-	-	2.3 J	2.2 J	1.8 J	1.2 J	20.9	4.5	4.9 J	1.3 J	6.6 J	19.5	6.7
Perfluorohexanoic acid (PFHxA)	990	-	-	7.6	8.7	6.6	4	14.5	4.2	3.7 J	1.5 J	4.3	9	2.5 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.6	2.5	2.1 J	1.3 J	11.5	3.9	3.9 J	1.4 J	4.1	2.6 J	1.9 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	12	13	8.6	5.9	14.3	5.4	4.2 J	2.4 J	5.1	4.9	1.3 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 J	0.59 J	2 U	2 U	4.5	2.3	2.9 J	1.8 J	3 J	0.86 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1 U	2 U	2 U	0.86 U	1 U	0.44 J	2 U	2 U	0.86 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.51 U	2 U	2 U	0.86 U	0.5 U	0.46 UJ	2 U	2 U	0.86 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	2 U	2 U	0.86 U	1 U	0.92 UJ	2 U	2 U	0.86 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	2 U	2 U	0.86 U	1 U	0.92 UJ	2 U	2 U	0.86 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.51 U	2 U	2 U	0.86 U	0.5 U	0.46 UJ	2 U	2 U	0.86 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.2	4	2.4 J	2.1 J	1.4 J	1.8	1.5 J	1.8 J	2.3 J	1.4 J	1.9 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5	5.6	4.2 J	2.7 J	2.4 J	2.5	2.3 J	2.6 J	4 J	1.7 J	1.9 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	100	110	75	68.4	41.5	48	44 J	34.9	62.5	19.4	6.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9	2.1	2.2 J	1.9 J	1.9 J	1 J	0.84 J	1.2 J	1.6 J	0.86 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	130	140	110	90.1	114	100	73 J	80.7	109	8.8	3.2 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.96 U	2 U	2 U	0.86 U	0.94 U	0.87 UJ	0.74 J	1.5 J	0.86 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.48 U	2 U	2 U	0.86 U	0.47 U	0.43 UJ	2 U	2 U	0.86 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	4 U	4 U	NA	1 U	0.92 UJ	4 U	3.9 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.9 U	7.9 U	8.1 U	1.7 U	1.9 U	1.8 UJ	8 U	7.8 U	1.7 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	0.81 J	1.9 U	7.9 U	8.1 U	1.7 U	1.9 U	0.87 J	8 U	7.8 U	1.7 U	3.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.9 U	7.9 U	8.1 U	1.7 U	3.8 U	3.5 UJ	8 U	7.8 U	1.7 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.3 U	2.2	2 U	2 U	0.86 U	0.37 J	0.77 J	1 J	2 U	0.86 U	9.3 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	4 U	4 U	1.7 U	1 U	0.92 UJ	4 UJ	3.9 U	1.7 U	19 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	4 U	4 U	NA	1 U	0.92 UJ	4 U	3.9 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	4 U	4 U	1.7 U	1 U	0.92 UJ	4 U	3.9 U	1.7 U	19 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1 U	4 U	4 U	1.7 U	1 U	0.92 UJ	4 U	3.9 U	1.7 U	3.7 UJ
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.5 U	20 U	20 U	NA	2.5 U	2.3 UJ	20 UJ	20 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5.1 U	20 U	20 U	NA	5 U	4.6 UJ	20 UJ	20 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4.1 U	2 U	2 U	NA	4 U	3.7 UJ	2 U	2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.9 U	4 U	4 U	NA	3.8 U	3.5 UJ	4 U	3.9 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	2 U	2 U	NA	2 U	1.8 UJ	2 U	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.51 U	4 U	4 U	NA	0.5 U	0.46 UJ	4 U	3.9 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	61 U	4 U	4 U	NA	60 U	55 UJ	4 U	3.9 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.7 U	4 U	4 U	NA	6.6 U	6.1 UJ	4 U	3.9 U	NA	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.7 U	4 U	4 U	NA	6.6 U	6.1 UJ	4 U	3.9 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.2 U	2 U	2 U	NA	3.1 U	2.9 UJ	2 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	9 U	9.9 U	10 U	NA	8.8 U	8.1 UJ	10 U	9.8 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	32 U	20 U	20 U	NA	31 U	29 UJ	20 U	20 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	32 U	20 U	20 U	NA	31 U	29 UJ	20 U	20 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	245.1	266.09	195.7	165.7	185.8	159.6	128.44	121.2	183.7	35.7	11.4

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				13. Aircraft Hardstands										
Location ID:				JMW-0416B				JMW0445						
Sample ID:				LORNG_JMW-0416B_05092023	LORNG_JMW-0416B_10132023	LORNG_JMW-0416B_05132024	LORNG_JMW-0416B_09252024	LORNG_JMW0445_05082022	LORNG_JMW0445_08312022	LORNG_JMW0445_05112023	LORNG_JMW0445_10182023	LORNG_JMW0445_05202024	LORNG_JMW0445_09252024	JPZ7808_062022
Sample Date:				5/9/2023	10/13/2023	5/13/2024	9/25/2024	5/8/2022	8/31/2022	5/11/2023	10/18/2023	5/20/2024	9/25/2024	5/6/2022
Sample Depth (ft bgs):				9-19	9-19	9-19	9-19	14-24	14-24	14-24	14-24	14-24	14-24	5-15
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.94677707	46.94677707	46.94677707	46.94677707	46.94928031	46.94928031	46.94928031	46.94928031	46.94928031	46.94928031	46.9537226
Longitude:				-67.89503253	-67.89503253	-67.89503253	-67.89503253	-67.89566691	-67.89566691	-67.89566691	-67.89566691	-67.89566691	-67.89566691	-67.9101236
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.3 J	2.2 J	3.7 J	3 J	14.1	14.8	6.5	7 J	5.9 J	145 J	1.7 U
Perfluoropentanoic acid (PFPeA)	-	-	-	6.5	3.1 J	5.1 J	4.4 J	4.9	7.4	5.4	4.6 J	3.7 J	13.1 J	0.86 U
Perfluorohexanoic acid (PFHxA)	990	-	-	2	1.5 J	2.1 J	1.9 J	6	5.7	6.3	4.4 J	2.2 J	6.7	0.86 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.57 J	0.42 J	0.61 J	1.8 U	3.4	3.5 J	4	2.8 J	1.7 J	3.8	0.86 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.2 J	0.78 J	1 J	0.6 J	6.5	6.7	8.7	6.6 J	3.7	9.9	0.86 U
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	0.5 U	1.8 U	1.8 U	0.86 U	1 J	1.5 J	1.6 J	1.1 J	1.8 J	0.86 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1 U	1.8 U	1.8 U	0.86 U	1.9 U	1 U	1 UJ	1.9 U	1.8 U	0.86 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.5 U	1.8 U	1.8 U	0.86 U	1.9 U	0.5 U	0.5 UJ	1.9 U	1.8 U	0.86 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	1.8 U	1.8 U	0.86 U	1.9 U	1 U	1 UJ	1.9 U	1.8 U	0.86 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	1.8 U	1.8 U	0.86 U	1.9 U	1 U	1 UJ	1.9 U	1.8 U	0.86 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.5 U	1.8 U	1.8 U	0.86 U	1.9 U	0.5 U	0.5 UJ	1.9 U	1.8 U	0.86 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.39 J	0.25 J	1.8 U	1.8 U	1.9 J	1.6 J	1.6	1.6 J	1 J	2.2 J	0.86 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.34 J	0.33 J	3.6 U	3.6 U	1.9 J	2.3 J	1.8	1.3 J	3.7 U	2.4 J	0.86 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	3.6	3.6	3.5 J	1.7 J	22.9	30.9	29	21 J	11.8	33.6	3.3 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	0.47 U	1.8 U	1.8 U	0.86 U	1.9 U	0.43 J	0.42 J	1.9 U	1.1 J	0.86 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2.2	1.9	4.1	1.4 J	21.8	23.9	24	19 J	6	32.4	0.86 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.94 U	1.8 U	1.8 U	0.86 U	1.9 U	0.94 U	0.94 UJ	1.9 U	1.8 U	0.86 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.47 U	1.8 U	1.8 U	0.86 U	1.9 U	0.47 U	0.47 UJ	1.9 U	1.8 U	0.86 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	3.6 U	3.6 U	NA	NA	1 U	1 UJ	3.7 U	3.6 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.9 U	7.3 U	7.3 U	1.7 U	3.7 U	1.9 U	1.9 UJ	7.4 U	7.3 U	1.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.9 U	7.3 U	7.3 U	1.8 J	5 J	1 J	1.6 J	7.4 U	7.3 U	1.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.8 U	7.3 U	7.3 U	1.7 U	3.7 U	3.8 U	3.8 UJ	7.4 U	7.3 U	1.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.26 J	0.25 U	1.8 U	1.8 U	0.86 U	1.9 U	0.25 J	0.24 J	1.9 U	1.8 U	0.86 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	3.6 U	3.6 U	8.6 U	0 R	1 U	1 UJ	3.7 UJ	3.6 U	1.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	3.6 UJ	3.6 U	NA	NA	1 U	1 UJ	3.7 U	3.6 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	3.6 U	3.6 U	1.7 U	3.7 U	1 U	1 UJ	3.7 U	3.6 U	1.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1 U	3.6 U	3.6 U	1.7 U	3.7 U	1 U	1 UJ	3.7 U	3.6 U	1.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.5 U	18 U	18 U	NA	NA	2.5 U	2.5 UJ	19 UJ	18 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5 U	18 U	18 U	NA	NA	5 U	5 UJ	19 UJ	18 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4 U	1.8 U	1.8 U	NA	NA	4 U	4 UJ	1.9 U	1.8 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	3.6 U	3.6 U	NA	NA	3.8 U	3.8 UJ	3.7 U	3.6 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	1.8 U	1.8 U	NA	NA	2 U	2 UJ	1.9 U	1.8 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.5 U	3.6 U	3.6 U	NA	NA	0.5 U	0.5 UJ	3.7 U	3.6 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	60 U	3.6 U	3.6 U	NA	NA	60 U	60 UJ	3.7 U	3.6 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.6 U	3.6 U	3.6 U	NA	NA	6.6 U	6.6 UJ	3.7 U	3.6 U	NA
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.6 U	3.6 U	3.6 U	NA	NA	6.6 U	6.6 UJ	3.7 U	3.6 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.1 U	1.8 U	1.8 U	NA	NA	3.1 U	3.1 UJ	1.9 U	1.8 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.8 U	9.1 U	9.1 U	NA	NA	8.8 U	8.8 UJ	9.3 U	9.1 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	31 U	18 U	18 U	NA	NA	31 U	31 UJ	19 U	18 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	31 U	18 U	18 U	NA	NA	31 U	31 UJ	19 U	18 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	7.57	6.7	9.21	3.7	54.6	66	67.2	51	24.3	81.5	3.3

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				13. Aircraft Hardstands										
Location ID:				JPZ7808					OW14004					
Sample ID:				LORNG_JPZ7808_08 302022	LORNG_JPZ7808_05 112023	LORNG_JPZ7808_10 122023	LORNG_JPZ7808_05 062024	LORNG_JPZ7808_10 082024	LORNG_OW14004_0 5072022	LORNG_OW14004_0 8312022	LORNG_OW14004_0 8312022FD	LORNG_OW14004_0 5092023	LORNG_OW14004_1 0252023	LORNG_OW14004_0 5172024
Sample Date:				8/30/2022	5/11/2023	10/12/2023	5/6/2024	10/8/2024	5/7/2022	8/31/2022	8/31/2022	5/9/2023	10/25/2023	5/17/2024
Sample Depth (ft bgs):				5-15	5-15	5-15	5-15	5-15	15-25	15-25	15-25	15-25	15-25	15-25
Sample Type:				N	N	N	N	N	N	N	FD	N	N	N
Latitude:				46.9537226	46.9537226	46.9537226	46.9537226	46.9537226	46.95484115	46.95484115	46.95484115	46.95484115	46.95484115	46.95484115
Longitude:				-67.9101236	-67.9101236	-67.9101236	-67.9101236	-67.9101236	-67.8943342	-67.8943342	-67.8943342	-67.8943342	-67.8943342	-67.8943342
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.7 UJ	0.77 J	1.6 J	3.6 U	1.8 J	9.9	12.2	12.6 J	8.7	13 J	13.4 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.9 UJ	0.5 U	0.41 J	1.8 U	1.7 U	19.4	31.4	28.6	15	22 J	24.2
Perfluorohexanoic acid (PFHxA)	990	-	-	1.9 UJ	0.5 U	0.57 J	1.8 U	0.38 J	20.6	25	23.1	19	27 J	27.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.9 UJ	0.5 U	0.33 J	1.8 U	0.28 J	12.8	16.3	16.6	9.6	14 J	14.1
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.9 UJ	0.3 J	0.68 J	0.91 U	1 J	39.2	41.4	43.3	27	39 J	34.8
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 UJ	0.5 U	0.5 U	1.8 U	0.6 U	0.89 U	2 U	1.9 U	0.29 J	0.46 J	2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 UJ	1 U	1 U	1.8 U	0.82 U	0.89 U	2 U	1.9 U	1 U	0.91 UJ	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 UJ	0.5 U	0.5 U	1.8 U	1.2 U	0.89 U	2 U	1.9 U	0.5 U	0.46 UJ	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 UJ	1 U	1 U	1.8 U	0.82 U	0.89 U	2 U	1.9 U	1 U	0.91 UJ	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 UJ	1 U	1 U	1.8 U	1.2 U	0.89 U	2 U	1.9 U	1 U	0.91 UJ	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 UJ	0.5 U	0.5 U	1.8 U	0.82 U	0.89 U	2 U	1.9 U	0.5 U	0.46 UJ	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 U	0.43 J	0.54 J	1.8 U	0.5 J	5.1	5	5.6	3.3	5.4 J	5.3
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.9 U	0.23 J	0.33 J	3.6 U	0.34 J	5.2	7.8	6.2	3.5	5.6 J	5.3
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	10	3.2	6.5	2.9 J	7.1	78.4	87.2	89.3	56	86 J	68
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	0.47 U	0.47 U	1.8 U	0.56 U	0.89 U	2 U	1.9 U	0.16 J	0.15 J	2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.9 U	0.53 J	1.6	1.8 U	2.1	5	4.1	4.6	3.6 J	5.6 J	2.6 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.94 U	1.8 U	1.1 U	0.89 U	2 U	1.9 U	0.94 U	0.86 UJ	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 UJ	0.47 U	0.47 U	1.8 U	1.1 U	0.89 U	2 U	1.9 U	0.47 U	0.43 UJ	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.6 U	0.82 U	NA	NA	NA	1 U	0.91 UJ	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 UJ	1.9 U	1.9 U	7.3 U	3.1 U	1.8 U	4 U	3.7 U	1.9 U	1.7 UJ	8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.7 UJ	1.9 U	1.9 U	7.3 U	3.2 U	2 J	4 U	3.7 U	14	1.7 UJ	8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 UJ	3.8 U	3.8 U	7.3 U	4.6 U	1.8 U	4 U	3.7 U	3.8 U	3.5 UJ	8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 UJ	0.25 U	0.25 U	1.8 U	0.6 U	0.89 U	2 U	1.9 U	0.25 U	0.23 UJ	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	19 UJ	1 U	1 U	3.6 U	1.2 U	1.8 U	4 UJ	19 U	1 U	0.91 UJ	4 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.6 U	1.2 U	NA	NA	NA	1 U	0.91 UJ	4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 UJ	1 U	1 U	3.6 U	1.2 U	1.8 U	4 U	3.7 U	1 U	0.91 UJ	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 UJ	1 U	1 U	3.6 U	0.82 U	1.8 U	4 U	3.7 U	1 U	0.91 UJ	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	18 U	8.2 U	NA	NA	NA	2.5 U	2.3 UJ	20 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	18 U	8.2 U	NA	NA	NA	5 U	4.6 UJ	20 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	1.8 U	3.3 U	NA	NA	NA	4 U	3.6 UJ	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.6 U	3.1 U	NA	NA	NA	3.8 U	3.5 UJ	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.8 U	2.8 U	NA	NA	NA	2 U	1.8 UJ	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	3.6 U	1.2 U	NA	NA	NA	0.5 U	0.46 UJ	4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	3.6 U	24 U	NA	NA	NA	60 U	55 UJ	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	3.6 U	3.1 U	NA	NA	NA	6.6 U	6 UJ	4 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.6 U	3.6 U	2.2 U	NA	NA	NA	6.6 U	6 UJ	4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	1.8 U	2.1 U	NA	NA	NA	3.1 U	2.8 UJ	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	9.1 U	6 U	NA	NA	NA	8.8 U	8 UJ	10 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	18 U	30 U	NA	NA	NA	31 U	28 UJ	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	18 U	30 U	NA	NA	NA	31 U	28 UJ	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	10	4.03	9.11	2.9	10.48	135.4	149	153.8	96.49	145.06	119.5

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				13. Aircraft Hardstands										
Location ID:				USMW025										
Sample ID:				LORNG_OW14004_0	LORNG_USMW025_	LORNG_USMW025_	LORNG_USMW025_	LORNG_USMW025_	LORNG_USMW025_	LORNG_USMW025_	LORNG_USMW025_	LORNG_USMW025_	LORNG_USMW025_	LORNG_USMW025_
Sample Date:				9262024	05102022	09282022	05252023	05252023FD	10192023	10192023FD	05092024	05092024FD	10112024	10112024FD
Sample Depth (ft bgs):				15-25	15-35	15-35	15-35	15-35	15-35	15-35	15-35	15-35	15-35	15-35
Sample Type:				N	N	N	N	FD	N	FD	N	FD	N	FD
Latitude:				46.95484115	46.94792759	46.94792759	46.94792759	46.94792759	46.94792759	46.94792759	46.94792759	46.94792759	46.94792759	46.94792759
Longitude:				-67.8943342	-67.89918973	-67.89918973	-67.89918973	-67.89918973	-67.89918973	-67.89918973	-67.89918973	-67.89918973	-67.89918973	-67.89918973
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	15.3	3.9 J	3.5 J	3.1 J	3.2 J	2 J	1.8 J	3.5 J	3.6 J	3.8 J	3.7 J
Perfluoropentanoic acid (PFPeA)	-	-	-	24	3 J	5.6	2.9 J	3 J	5.8 NJ	6.4 J	2.9 J	2.9 J	3.2 J	3.4 J
Perfluorohexanoic acid (PFHxA)	990	-	-	27.6	3.1 J	3.9	3.1	3.2	3	3.1	2.9 J	3 J	4.2	3.8
Perfluoroheptanoic acid (PFHpA)	-	-	-	14.1	2 J	2.3 J	2.2	2.3	2.1	2.1	2.1 J	2 J	2.3 J	2.2 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	33.3	3 J	4.1	5.3	5.3	3.4	3.4	3.7	3.7 J	3.7 J	3.8
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	1 U	1.9 U	0.48 J	0.49 J	0.76 J	0.7 J	1.8 U	1.9 U	1.9 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1 U	1.9 U	1 U	1 U	0.93 U	0.93 U	0.51 J	0.54 J	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	1 U	1.9 U	0.5 U	0.5 U	0.46 U	0.46 U	0.73 J	0.7 J	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1 U	1.9 U	1 U	1 U	0.93 U	0.93 U	1.8 U	1.9 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1 U	1.9 U	1 U	1 U	0.93 U	0.93 U	1.8 U	1.9 U	1.9 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	1 U	1.9 U	0.5 U	0.5 U	0.46 U	0.46 U	1.8 U	1.9 U	1.9 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	5.7	1 U	1.9 U	0.89 J	0.98 J	0.93 J	0.86 J	1 J	0.78 J	0.98 J	1.3 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5.7	1 U	1 J	0.85 J	0.89 J	1.1 J	1.1 J	3.6 U	3.8 U	1.3 J	1.3 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	68.2	13.9	18.8	31	31	19	19	20.5	20.8	24.4	24.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	1 U	1.9 U	0.29 J	0.29 J	0.35 J	0.35 J	1.8 U	1.9 U	1.9 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2.2 J	15.7	19.4	15	16	21	20	13.3	13.4	18.1	18.9
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	1 U	1.9 U	0.94 U	0.94 U	0.87 U	0.87 U	1.8 U	1.9 U	1.9 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	1 U	1.9 U	0.47 U	0.47 U	0.44 U	0.44 U	1.8 U	1.9 U	1.9 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	NA	NA	1 U	1 U	0.93 U	0.93 U	3.6 U	3.8 U	3.8 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	2 U	3.7 U	1.9 U	1.9 U	1.8 U	1.8 U	7.3 U	7.5 U	7.7 U	7.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4.8 J	2 U	3.7 U	1.9 U	1.9 U	1.8 U	1.8 U	7.3 U	7.5 U	7.7 U	7.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.3 U	2 U	3.7 U	3.8 U	3.8 U	3.5 U	3.5 U	7.3 U	7.5 U	7.7 U	7.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	1 U	1.9 U	0.25 U	0.25 U	0.22 J	0.2 J	1.8 U	1.9 U	1.9 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	2 U	3.7 U	1 U	1 U	0.93 U	0.93 U	3.6 U	3.8 U	3.8 U	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 U	NA	NA	1 U	1 U	0.93 U	0.93 U	3.6 UJ	3.8 UJ	3.8 U	3.8 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	2 U	3.7 U	1 U	1 U	0.93 U	0.93 U	3.6 U	3.8 U	3.8 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	2 U	3.7 U	1 U	1 U	0.93 U	0.93 U	3.6 U	3.8 U	3.8 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	NA	NA	2.5 U	2.5 U	2.3 U	2.3 U	18 U	19 U	19 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	NA	NA	5 U	5 U	4.6 U	4.6 U	18 U	19 U	19 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	NA	NA	4 U	4 U	3.7 U	3.7 U	1.8 U	1.9 U	1.9 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	NA	NA	3.8 U	3.8 U	3.5 U	3.5 U	3.6 U	3.8 U	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	NA	NA	2 U	2 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	NA	NA	0.5 U	0.5 U	0.46 U	0.46 U	3.6 U	3.8 U	3.8 U	3.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	NA	NA	60 U	60 U	56 U	56 U	3.6 U	3.8 U	3.8 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	NA	NA	6.6 U	6.6 U	6.1 U	6.1 U	3.6 U	3.8 U	3.8 U	3.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	NA	NA	6.6 U	6.6 U	6.1 U	6.1 U	3.6 U	3.8 U	3.8 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	NA	NA	3.1 U	3.1 U	2.9 U	2.9 U	1.8 U	1.9 U	1.9 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	NA	NA	8.8 U	8.8 U	8.2 UJ	8.2 UJ	9.1 U	9.4 U	9.6 U	9.6 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	NA	NA	31 U	31 U	29 U	29 U	18 U	19 U	19 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	NA	NA	31 U	31 U	29 U	29 U	18 U	19 U	19 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	117.8	34.6	44.6	53.98	55.09	46.26	45.2	40.11	40.44	48.5	49

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				13. Aircraft Hardstands			14. Hardstand 19							
Location ID:				8711-MW07			JBW7714			JBW7714			JBW7737A	
Sample ID:				LORNG_8711-MW07_06122024	LORNG_8711-MW07_10112024	LORNG_JBW7714_05082022	LORNG_JBW7714_08312022	LORNG_JBW7714_06072023	LORNG_JBW7714_01032023	LORNG_JBW7714_05202024	LORNG_JBW7714_00082024	LORNG_JBW7737A_05062022	LORNG_JBW7737A_09282022	LORNG_JBW7737A_05242023
Sample Date:				6/12/2024	10/11/2024	5/8/2022	8/31/2022	6/7/2023	10/13/2023	5/20/2024	10/8/2024	5/6/2022	9/28/2022	5/24/2023
Sample Depth (ft bgs):				22-32	22-32	83-93	83-93	83-93	83-93	83-93	83-93	193-203	193-203	193-203
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.94493351	46.94493351	46.9525111	46.9525111	46.9525111	46.9525111	46.9525111	46.9525111	46.94512184	46.94512184	46.94512184
Longitude:				-67.90523773	-67.90523773	-67.8987455	-67.8987455	-67.8987455	-67.8987455	-67.8987455	-67.8987455	-67.90633673	-67.90633673	-67.90633673
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	9.7 J	8.6 J	8.6	4.7 J	2.3 J	12	68.7	11	11.1	11.3	13
Perfluoropentanoic acid (PFPeA)	-	-	-	16.8	15.2	12.3	7.2	1.6 J	33	32.7	25	26.1	26.8	31
Perfluorohexanoic acid (PFHxA)	990	-	-	24	18.3	7.9	4	1.5 J	23	21	17	38.8	45.6	47
Perfluoroheptanoic acid (PFHpA)	-	-	-	13.2	11.2	9.3	5.7	1.9	29	27.6	23	10.6	11.6	12
Perfluorooctanoic acid (PFOA)	0.0027	4	-	14.7	14.5	9.2	5.6	2.5	27	26.4	20	15.1	17.6	17
Perfluorononanoic acid (PFNA)	5.9	10	-	1.5 J	1.7 J	1.3 J	1.9 U	0.24 J	3.4	4.2	3	0.9 J	1.9 U	0.8 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	2 U	1 U	1.9 U	1 U	1 U	2.1 U	0.88 U	0.86 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	2 U	1 U	1.9 U	0.5 U	0.5 U	2.1 U	1.3 U	0.86 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	2 U	1 U	1.9 U	1 U	1 U	2.1 U	0.88 U	0.86 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	2 U	1 U	1.9 U	1 U	1 U	2.1 U	1.3 U	0.86 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	2 U	1 U	1.9 U	0.5 U	0.5 U	2.1 U	0.88 U	0.86 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	6.8	7.7	1 U	1.9 U	0.57 J	0.67 J	0.72 J	0.7 J	17.9	22.7	21
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	11	10.9	1 U	1.9 U	0.39 J	0.56 J	4.1 U	0.58 J	20.3	22	21
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	102	107	9.7	9.4	8.4	10	10.5	11	102	114	120
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	5.3	5.9	1 U	1.9 U	0.47 U	0.18 J	2.1 U	0.24 J	8.4	9.6	6.6
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	243	240	18.8	8.6	6.7	17	26.2	21	284	318	260
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	0.81 J	1 U	1.9 U	0.94 U	0.94 U	2.1 U	1.2 U	0.86 U	1.9 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	2 U	1 U	1.9 U	0.47 U	0.47 U	2.1 U	1.2 U	0.86 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.9 U	4 U	NA	NA	1 U	1 U	4.1 U	0.88 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.8 U	8 U	2 U	3.7 U	1.9 U	1.9 U	8.2 U	3.3 U	1.7 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.8 U	8 U	7.9 J	3.2 J	1.9 U	27	14.8 J	12	2.7 J	9.6	4.8 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.8 U	8 U	4.6 J	2 J	3.8 U	8.1	7.8 J	4.5 J	1.7 U	3.7 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	0.89 J	1 U	1.9 U	0.25 U	0.25 U	2.1 U	0.64 U	0.86 U	1.9 U	0.3 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.9 U	4 U	2 U	3.7 U	1 U	1 U	4.1 U	1.3 U	1.7 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.9 U	4 U	NA	NA	1 U	1 U	4.1 U	1.3 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.9 U	4 U	2 U	3.7 U	1 U	1 U	4.1 U	1.3 U	1.7 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.9 U	4 U	2 U	3.7 U	1 U	1 U	4.1 U	0.88 U	1.7 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	20 U	NA	NA	2.5 U	2.5 U	21 U	8.8 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	20 U	NA	NA	5 U	5 U	21 U	8.8 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	2 U	NA	NA	4 U	4 U	2.1 U	3.5 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.9 U	4 U	NA	NA	3.8 U	3.8 U	4.1 U	3.3 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	NA	NA	2 U	2 U	2.1 U	3 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.9 U	4 U	NA	NA	0.5 U	0.5 U	4.1 U	1.3 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.9 U	4 U	NA	NA	60 U	60 U	4.1 U	26 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.9 U	4 U	NA	NA	6.6 U	6.6 U	4.1 U	3.3 U	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.9 U	4 U	NA	NA	6.6 U	6.6 U	4.1 U	2.4 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	2 U	NA	NA	3.1 U	3.1 U	2.1 U	2.2 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.8 U	10 U	NA	NA	8.8 U	8.8 U	10 U	6.4 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	20 U	NA	NA	31 U	31 U	21 U	32 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	20 U	NA	NA	31 U	31 U	21 U	32 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	374.4	374.4	48.3	29.3	19.74	86.4	94.9	78	412.6	461.2	409.8

Notes

See Table 1-1 for notes and Table 1-3 for information about screening levels.

* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				14. Hardstand 19										
Location ID:				JBW7737A							JBW7738A			
Sample ID:				LORNG_JBW7737A_05242023FD	LORNG_JBW7737A_10312023	LORNG_JBW7737A_10312023FD	LORNG_JBW7737A_05222024	LORNG_JBW7737A_05222024FD	LORNG_JBW7737A_10082024	LORNG_JBW7737A_10082024FD	LORNG_JBW7738A_05082022	LORNG_JBW7738A_09202022	LORNG_JBW7738A_09202022FD	LORNG_JBW7738A_05232023
Sample Date:				5/24/2023	10/31/2023	10/31/2023	5/22/2024	5/22/2024	10/8/2024	10/8/2024	5/8/2022	9/20/2022	9/20/2022	5/23/2023
Sample Depth (ft bgs):				193-203	193-203	193-203	193-203	193-203	193-203	193-203	90-100	90-100	90-100	90-100
Sample Type:				FD	N	FD	N	FD	N	FD	N	N	FD	N
Latitude:				46.94512184	46.94512184	46.94512184	46.94512184	46.94512184	46.94512184	46.94512184	46.94392474	46.94392474	46.94392474	46.94392474
Longitude:				-67.90633673	-67.90633673	-67.90633673	-67.90633673	-67.90633673	-67.90633673	-67.90633673	-67.90923119	-67.90923119	-67.90923119	-67.90923119
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	12	13	12	9.5 J	9.4 J	7.9	7.7	7.2	10.7	11.5	7.5
Perfluoropentanoic acid (PFPeA)	-	-	-	30	31	30	23	23.3	18	18	16.6	22.6	23.8	18
Perfluorohexanoic acid (PFHxA)	990	-	-	45	47	46	37.6	35.8	28	27	22.8	31.3	33.4	25
Perfluoroheptanoic acid (PFHpA)	-	-	-	11	12	12	9.5	9.3	7.3	7.2	6.7	8.7	8.8	6.4
Perfluorooctanoic acid (PFOA)	0.0027	4	-	16	17	17	12.6	11.2	11	11	9.7	12.1	13	9.8
Perfluorononanoic acid (PFNA)	5.9	10	-	0.66 J	0.78 J	0.69 J	1.9 U	0.71 J	0.55 J	0.57 J	0.86 U	1.2 J	2 U	0.27 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1 U	0.92 U	1.9 U	1.9 U	1.5 U	1.5 U	0.86 U	1.9 U	2 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.5 U	0.46 U	1.9 U	1.9 U	1.5 U	1.5 U	0.86 U	1.9 U	2 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	0.92 U	1.9 U	1.9 U	1.5 U	1.5 U	0.86 U	1.9 U	2 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	0.92 U	1.9 U	1.9 U	1.5 U	1.5 U	0.86 U	1.9 U	2 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.5 U	0.46 U	1.9 U	1.9 U	1.5 U	1.5 U	0.86 U	1.9 UJ	2 UJ	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	20	21	22	16.7	16.4	12	12	11.2	15.6	15.6	12
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	22	22	21	17.4	18	12	12	12.3	16.7	17.6	12
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	110	130	110	90	91.5	75	74	65.7	86.8	91.4	78
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	6.4	6.5	5.4	7.8	7.6	4.2	4	4.3	5.5	6.1	2.9
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	280	330	380	239	232	250	210	119	154	169	120
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.94 U	0.87 U	1.9 U	1.9 U	1.4 U	1.4 U	0.86 U	1.9 U	2 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.47 U	0.43 U	1.9 U	1.9 U	1.4 U	1.4 U	0.86 U	1.9 U	2 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	0.92 U	3.7 U	3.8 U	1.5 U	1.5 U	NA	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.9 U	1.8 U	7.4 U	7.7 U	5.5 U	5.6 U	1.7 U	3.7 U	4 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.9 J	3.5 J	3.8 J	4.8 J	4.6 J	4.5 J	4.5 J	2.1 J	2.7 J	2.9 J	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.8 U	3.5 U	7.4 U	7.7 U	5.6 U	5.7 U	1.7 U	3.7 U	4 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.36 J	0.23 U	1.9 U	1.9 U	0.43 J	0.53 J	0.86 U	1.9 U	2 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	0.92 U	3.7 UJ	3.8 UJ	1.5 U	1.5 U	1.7 U	19 UJ	4 UJ	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	0.92 U	3.7 U	3.8 U	1.5 U	1.5 U	NA	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	0.92 U	3.7 U	3.8 U	1.5 U	1.5 U	1.7 U	3.7 U	4 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1 U	0.92 U	3.7 U	3.8 U	1.5 U	1.5 U	1.7 U	3.7 U	4 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.5 U	2.3 U	19 UJ	19 UJ	15 U	15 U	NA	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5 U	4.6 U	19 UJ	19 UJ	15 U	15 U	NA	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4 U	3.7 U	1.9 U	1.9 U	5.9 U	6 U	NA	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	3.5 U	3.7 U	3.8 U	5.5 U	5.6 U	NA	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	1.8 U	1.9 U	1.9 U	2.9 U	3 U	NA	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.5 U	0.46 U	3.7 U	3.8 U	2.9 U	3 U	NA	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	60 U	55 U	3.7 U	3.8 U	64 U	66 U	NA	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.6 U	6.1 U	3.7 U	3.8 U	11 U	11 U	NA	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.6 U	6.1 U	3.7 U	3.8 U	11 U	11 U	NA	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.1 U	2.9 U	1.9 U	1.9 U	5.2 U	5.2 U	NA	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.8 U	8.1 U	9.3 U	9.6 U	15 U	15 U	NA	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	31 U	29 U	19 U	19 U	37 U	37 U	NA	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	31 U	29 U	19 U	19 U	37 U	37 U	NA	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	417.66	489.78	519.69	351.1	344.71	343.85	302.77	201.1	262.8	282.2	214.47

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				14. Hardstand 19										
Location ID:				JBW7738A			JBW7738B						JBW7752	
Sample ID:				LORNG_JBW7738A_	LORNG_JBW7738A_	LORNG_JBW7738A_	LORNG_JBW7738B_	LORNG_JBW7738B_	LORNG_JBW7738B_	LORNG_JBW7738B_	LORNG_JBW7738B_	LORNG_JBW7738B_	LORNG_JBW7752_0	LORNG_JBW7752_0
Sample Date:				10262023	05212024	10022024	05072022	09202022	05232023	10262023	05242024	10022024	5072022	9282022
Sample Depth (ft bgs):				10/26/2023	5/21/2024	10/2/2024	5/7/2022	9/20/2022	5/23/2023	10/26/2023	5/24/2024	10/2/2024	5/7/2022	9/28/2022
Sample Type:				90-100	90-100	90-100	60-70	60-70	60-70	60-70	60-70	60-70	27-37	27-37
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.94392474	46.94392474	46.94392474	46.94392465	46.94392465	46.94392465	46.94392465	46.94392465	46.94392465	46.94418531	46.94418531
				-67.90923119	-67.90923119	-67.90923119	-67.90921894	-67.90921894	-67.90921894	-67.90921894	-67.90921894	-67.90921894	-67.90337649	-67.90337649
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	9.3	5.9 J	6.5 J	12.1	14.3	10	11	7.9 J	7.6 J	2 U	2 J
Perfluoropentanoic acid (PFPeA)	-	-	-	22	14.3	15.2	29.9	31.8	25	25	19.7	17	1.8 J	2.9 J
Perfluorohexanoic acid (PFHxA)	990	-	-	33	21	21.7	43.3	45.4	36	37	30.7	26.1	1.1 J	2.3 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	7.9	5.4	5.2	12.4	12.3	9.3	9.2	8.2	6.9	1 U	1.3 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	11	7.2	7.8	17.2	16.9	14	13	10.5	9	1 J	1.6 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.4 J	1.9 U	2 U	0.86 U	1.9 U	0.42 J	0.45 J	1.8 U	2 U	1 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.9 U	2 U	0.86 U	1.9 U	1 U	1.1 U	1.8 U	2 U	1 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	1.9 U	2 U	0.86 U	1.9 U	0.5 U	0.53 U	1.8 U	2 U	1 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.9 U	2 U	0.86 U	1.9 U	1 U	1.1 U	1.8 U	2 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.9 U	2 U	0.86 U	1.9 U	1 U	1.1 U	1.8 U	2 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	1.9 U	2 U	0.86 U	1.9 U	0.5 U	0.53 U	1.8 U	2 U	1 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	16	9.4	10.2	22.2	21.4	18	18	13.2	12.2	1 U	1.9 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	14	10.1	11.4	24.2	24.2	19	19	15.4	13.2	1 U	1.9 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	97	59.1	65.2	120	124	110	110	92.5	79.9	2.9 J	5.3
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2.9	3.5 J	3.7 J	8.7	8.4	4.5	4.4	5.4	5	1 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	160	81.7	112	224	234	180	200	159	138	3.1 J	4.4
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.95 U	1.9 U	2 U	0.86 U	1.9 U	0.94 U	1 U	1.8 U	2 U	1 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	1.9 U	2 U	0.86 U	1.9 U	0.47 U	0.5 U	1.8 U	2 U	1 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	3.8 U	4 U	NA	NA	1 U	1.1 U	3.6 U	4 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	7.6 U	8 U	1.7 U	3.7 U	1.9 U	2 U	7.3 U	8 U	2 U	3.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	7.6 U	8 U	1.7 U	3.7 U	1.9 U	2 U	7.3 U	8 U	2 U	3.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	7.6 U	8 U	1.7 U	3.7 U	3.8 U	4.1 U	7.3 U	8 U	2 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	1.9 U	2 U	0.93 J	1.9 U	0.19 J	0.27 U	1.8 U	2 U	1 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	3.8 UJ	4 U	1.7 U	3.7 UJ	1 U	1.1 U	3.6 UJ	4 U	2 U	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	3.8 U	4 U	NA	NA	1 U	1.1 U	3.6 U	4 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	3.8 U	4 U	1.7 U	3.7 U	1 U	1.1 U	3.6 U	4 U	2 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	3.8 U	4 U	1.7 U	3.7 U	1 U	1.1 U	3.6 U	4 U	2 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	19 UJ	20 U	NA	NA	1.4 J	2.7 U	18 UJ	20 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	19 UJ	20 U	NA	NA	2.3 J	5.3 U	18 UJ	20 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	1.9 U	2 U	NA	NA	4 U	4.3 U	1.8 U	2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	4 U	NA	NA	3.8 U	4.1 U	3.6 U	4 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.9 U	2 U	NA	NA	2 U	2.1 U	1.8 U	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	3.8 U	4 U	NA	NA	0.5 U	0.53 U	3.6 U	4 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	3.8 U	4 U	NA	NA	60 U	64 U	3.6 U	4 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.7 U	3.8 U	4 U	NA	NA	6.6 U	7 U	3.6 U	4 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.7 U	3.8 U	4 U	NA	NA	6.6 U	7 U	3.6 U	4 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	1.9 U	2 U	NA	NA	3.1 U	3.3 U	1.8 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.9 U	9.5 U	10 U	NA	NA	8.8 U	9.4 U	9.1 U	10 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	19 U	20 U	NA	NA	31 U	33 U	18 U	20 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	19 U	20 U	NA	NA	31 U	33 U	18 U	20 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	276.3	153.4	190.2	373.6	387.2	313.72	332.65	270.2	233.8	7	12.6

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				14. Hardstand 19										
Location ID:				JBW7752				JBW7753A				JPZ7704		
Sample ID:				LORNG_JBW7752_0	LORNG_JBW7752_1	LORNG_JBW7752_0	LORNG_JBW7752_0	LORNG_JBW7753A_	LORNG_JBW7753A_	LORNG_JBW7753A_	LORNG_JBW7753A_	LORNG_JBW7753A_	LORNG_JPZ7704_05	LORNG_JPZ7704_08
Sample Date:				5/19/2023	01/22/2023	5/07/2024	9/25/2024	05/09/2022	09/27/2022	05/24/2023	10/27/2023	06/05/2024	18/2022	30/2022
Sample Depth (ft bgs):				27-37	27-37	27-37	27-37	24-34	24-34	24-34	24-34	24-34	201-211	201-211
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.94418531	46.94418531	46.94418531	46.94418531	46.94495573	46.94495573	46.94495573	46.94495573	46.94495573	46.9449404	46.9449404
Longitude:				-67.90337649	-67.90337649	-67.90337649	-67.90337649	-67.9044903	-67.9044903	-67.9044903	-67.9044903	-67.9044903	-67.8958587	-67.8958587
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	1.5 J	2.2 J	2.8 J	2.3 J	5.6 J	19.3	7	8.1	7.4 J	5.9 J	6.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.6 J	3 J	1.2 J	1.5 J	7.2	49.8	11	15	16	11.3	12.9
Perfluorohexanoic acid (PFHxA)	990	-	-	1.2 J	2.3	1.1 J	1.6 J	8.9	70.6	15	19	21.4	10.5	10.1
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.8 J	1.4 J	0.62 J	1.1 J	9	51	10	15	14	4.4	4.4
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.82 U	1.5 J	0.66 J	1.1 J	11.9	74	12	20	18	9.6	7.9
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	0.5 U	1.8 U	1.8 U	1.5 J	7.2	1.4 J	2.2	2.2 J	0.93 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1 U	1.8 U	1.8 U	1 U	1.9 U	1 U	1 U	1.8 U	0.93 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.5 U	1.8 U	1.8 U	1 U	1.9 U	0.5 U	0.5 U	1.8 U	0.93 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	1.8 U	1.8 U	1 U	1.9 U	1 U	1 U	1.8 U	0.93 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	1.8 U	1.8 U	1 U	1.9 U	1 U	1 U	1.8 U	0.93 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.5 U	1.8 U	1.8 U	1 U	1.9 U	0.5 U	0.5 U	1.8 U	0.93 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.47 J	0.79 J	0.52 J	0.82 J	3.5 J	19.4	4.7	5.9	7.2	2.2 J	2.3 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.41 J	0.56 J	3.6 U	3.6 U	5.1	26.5	6.5	8.2	10.5	2.9 J	3 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	3.7	5.5	3.2 J	3.9	50.3	220	71	91	102	32.1	29.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	0.47 U	1.8 U	1.8 U	3.4 J	17.1	3.7	3.7	5.9	0.93 J	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2.4	4.3	2.4 J	3.4 J	190	1030	190	280	327	39.8	29
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.94 U	1.8 U	1.8 U	1 U	1.9 U	0.94 U	0.95 U	1.3 J	0.93 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.47 U	1.8 U	1.8 U	1 U	1.9 U	0.47 U	0.47 U	1.8 U	0.93 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	3.6 U	3.6 U	NA	NA	1 U	1 U	3.6 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.9 U	7.3 U	7.1 U	2 U	3.7 U	1.9 U	1.9 U	7.3 U	1.9 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.9 U	7.3 U	7.8 J	2 U	21.6	2.2 J	3.4 J	5.1 J	1.9 U	3.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.8 U	7.3 U	7.1 U	2 U	3.7 U	3.8 U	1.5 J	7.3 U	1.9 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.25 U	1.8 U	1.8 U	1.3 J	4.2	1.1 J	1.5 J	1.8 J	0.93 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	3.6 U	3.6 U	2 U	3.7 U	1 U	1 U	3.6 U	1.9 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	3.6 U	3.6 U	NA	NA	1 U	1 U	3.6 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	3.6 U	3.6 U	2 U	3.7 U	1 U	1 U	3.6 U	1.9 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1 U	3.6 U	3.6 U	2 U	3.7 U	1 U	1 U	3.6 U	1.9 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.5 U	18 U	18 U	NA	NA	2.5 U	2.5 U	180 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5 U	18 U	18 U	NA	NA	5 U	5 U	180 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4 U	1.8 U	1.8 U	NA	NA	4 U	4 U	1.8 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	3.6 U	3.6 U	NA	NA	3.8 U	3.8 U	3.6 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	1.8 U	1.8 U	NA	NA	2 U	2 U	1.8 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.5 U	3.6 U	3.6 U	NA	NA	0.5 U	0.5 U	3.6 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	60 U	3.6 U	3.6 U	NA	NA	60 U	60 U	3.6 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.6 U	3.6 U	3.6 U	NA	NA	6.6 U	6.7 U	3.6 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.6 U	3.6 U	3.6 U	NA	NA	6.6 U	6.7 U	3.6 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.1 U	1.8 U	1.8 U	NA	NA	3.1 U	3.1 U	1.8 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.8 U	9.1 U	8.9 U	NA	NA	8.8 U	8.9 U	9.1 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	31 U	18 U	18 U	NA	NA	31 U	31 U	18 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	31 U	18 U	18 U	NA	NA	31 U	31 U	18 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	6.9	12.7	6.88	9.5	262.7	1382.2	284.4	408.2	463.2	85.9	71.2

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				14. Hardstand 19										
Location ID:				JPZ7704				MMW0009						
Sample ID:				LORNG_JPZ7704_05_252023	LORNG_JPZ7704_10_192023	LORNG_JPZ7704_05_222024	LORNG_JPZ7704_10_032024	LORNG_MMW0009_05062022	LORNG_MMW0009_08302022	LORNG_MMW0009_05232023	LORNG_MMW0009_10122023	LORNG_MMW0009_05132024	LORNG_MMW0009_09252024	MMW0020_LORNG_MMW0020_150_06132023
Sample Date:				5/25/2023	10/19/2023	5/22/2024	10/3/2024	5/6/2022	8/30/2022	5/23/2023	10/12/2023	5/13/2024	9/25/2024	6/13/2023
Sample Depth (ft bgs):				201-211	201-211	201-211	201-211	39-49	39-49	39-49	39-49	39-49	39-49	36-155
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9449404	46.9449404	46.9449404	46.9449404	46.95229543	46.95229543	46.95229543	46.95229543	46.95229543	46.95229543	46.9503381
Longitude:				-67.8958587	-67.8958587	-67.8958587	-67.8958587	-67.91104231	-67.91104231	-67.91104231	-67.91104231	-67.91104231	-67.91104231	-67.914032
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.9	6.6 J	6.6 J	5.6 J	1.7 U	4 U	1.5 J	1.7 J	1.8 J	3.8 U	2 UJ
Perfluoropentanoic acid (PFPeA)	-	-	-	15	14	14.7	12	0.86 U	1.1 J	0.69 J	0.77 J	1.8 U	1.9 U	0.5 UJ
Perfluorohexanoic acid (PFHxA)	990	-	-	13	11	11.2	9.7	0.86 U	2 U	0.81 J	0.91 J	0.82 J	0.86 J	0.13 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	5.2	4.5	4.9	4.2 J	0.86 U	2 U	0.44 J	0.52 J	0.54 J	1.9 U	0.5 UJ
Perfluorooctanoic acid (PFOA)	0.0027	4	-	9.7	7.4	6.8	7.1	1.8 J	2.3 J	2	1.9	2.1 J	1.5 J	0.22 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.34 J	0.24 J	2.1 U	2.5 U	0.86 U	2 U	0.5 U	0.5 U	1.8 U	1.9 U	0.5 UJ
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.1 U	2.1 U	2.5 U	0.86 U	2 U	1 U	1 U	1.8 U	1.9 U	1 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.55 U	2.1 U	2.5 U	0.86 U	2 U	0.5 U	0.5 U	1.8 U	1.9 U	0.5 UJ
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.1 U	2.1 U	2.5 U	0.86 U	2 U	0.26 J	1 U	1.8 U	1.9 U	1 UJ
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.1 U	2.1 U	2.5 U	0.86 U	2 U	1 U	1 U	1.8 U	1.9 U	1 UJ
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.55 U	2.1 U	2.5 U	0.86 U	2 U	0.23 J	0.5 U	1.8 U	1.9 U	0.5 UJ
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.4	2.2	2 J	1.9 J	0.86 U	2 U	1.1 J	0.9 J	1 J	0.68 J	0.44 UJ
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.9	2.6	2.6 J	2.2 J	0.86 U	2 U	0.8 J	0.8 J	3.6 U	3.8 U	0.47 UJ
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	35	31	27.4	25.6	11.8	15	15	14	14.7	8.5	0.84 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.59 J	0.49 J	0.67 J	0.83 J	0.86 U	2 U	0.47 U	0.47 U	1.8 U	1.9 U	0.47 UJ
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	27	22	19	23.1	2.7 J	3.1 J	3.2	2.4	4.1	2.7 J	0.46 UJ
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	1 U	2.1 U	2.5 U	0.86 U	2 U	0.94 U	0.94 U	1.8 U	1.9 U	0.94 UJ
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.52 U	2.1 U	2.5 U	0.86 U	2 U	0.47 U	0.47 U	1.8 U	1.9 U	0.47 UJ
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1.1 U	4.2 U	5.1 U	NA	NA	1 U	1 U	3.6 U	3.8 U	1 UJ
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	2.1 U	8.3 U	10 U	1.7 U	4 U	1.9 U	1.9 U	7.3 U	7.7 U	1.9 UJ
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	2.1 U	8.3 U	10 U	1.7 U	4 U	1.9 U	1.9 U	7.3 U	7.7 U	1.9 UJ
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	4.2 U	8.3 U	10 U	1.7 U	4 U	3.8 U	3.8 U	7.3 U	7.7 U	3.8 UJ
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.28 U	2.1 U	2.5 U	0.86 U	2 U	0.25 U	0.25 U	1.8 U	1.9 U	0.47 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1.1 UJ	4.2 UJ	5.1 U	1.7 U	4 UJ	1 U	1 U	3.6 U	3.8 U	1 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1.1 U	4.2 U	5.1 U	NA	NA	1 U	1 U	3.6 UJ	3.8 U	1 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1.1 U	4.2 U	5.1 U	1.7 U	4 U	0.56 J	1 U	3.6 U	3.8 U	1 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1.1 U	4.2 U	5.1 U	1.7 U	4 U	0.61 J	1 U	3.6 U	3.8 U	1 UJ
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.8 U	21 UJ	25 U	NA	NA	2.5 U	2.5 U	18 U	19 U	2.5 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5.5 U	21 UJ	25 U	NA	NA	1.9 J	5 U	18 U	19 U	5 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4.4 U	2.1 U	2.5 U	NA	NA	4 U	4 U	1.8 U	1.9 U	4 UJ
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	4.2 U	4.2 U	5.1 U	NA	NA	3.8 U	3.8 U	3.6 U	3.8 U	3.8 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2.2 U	2.1 U	2.5 U	NA	NA	2 U	2 U	1.8 U	1.9 U	2 UJ
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.55 U	4.2 U	5.1 U	NA	NA	0.5 U	0.5 U	3.6 U	3.8 U	0.5 UJ
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	-	-	-	60 U	66 U	4.2 U	5.1 U	NA	NA	60 U	60 U	3.6 U	3.8 U	60 UJ
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	7.3 U	4.2 U	5.1 U	NA	NA	6.6 U	6.6 U	3.6 U	3.8 U	6.6 UJ
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	7.3 U	4.2 U	5.1 U	NA	NA	6.6 U	6.6 U	3.6 U	3.8 U	6.6 UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.4 U	2.1 U	2.5 U	NA	NA	3.1 U	3.1 U	1.8 U	1.9 U	3.1 UJ
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	9.7 U	10 U	13 U	NA	NA	8.8 U	8.8 U	9.1 U	9.6 U	8.8 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	34 U	21 U	25 U	NA	NA	31 U	31 U	18 U	19 U	31 UJ
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	34 U	21 U	25 U	NA	NA	31 U	31 U	18 U	19 U	31 UJ
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	77.24	65.14	58.1	60	16.3	20.4	20.64	18.82	21.44	12.7	1.06

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				14. Hardstand 19										
Location ID:				MMW0020								MMW0330		
Sample ID:				LORNG_MMW0020_	LORNG_MMW0020_	LORNG_MMW0020_	LORNG_MMW0020_	LORNG_MMW0020_	LORNG_MMW0020_	LORNG_MMW0020_	LORNG_MMW0020_	LORNG_MMW0020_	LORNG_MMW0330_	LORNG_MMW0330_
Sample Date:				60_06132023	60_06132023FD	150_10112023	60_10112023	60_10112023FD	150_06032024	60_06032024	150_10102024	60_10102024	05072022	09272022
Sample Depth (ft bgs):				6/13/2023	6/13/2023	10/11/2023	10/11/2023	10/11/2023	6/3/2024	6/3/2024	10/10/2024	10/10/2024	5/7/2022	9/27/2022
Sample Type:				36-155	36-155	36-155	36-155	36-155	36-155	36-155	36-155	36-155	40-50	40-50
Latitude:				N	FD	N	N	FD	N	N	N	N	N	N
Longitude:				46.9503381	46.9503381	46.9503381	46.9503381	46.9503381	46.9503381	46.9503381	46.9503381	46.9503381	46.94542135	46.94542135
Analyte				USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	3.7 U	3.7 U	5 U	4.1 U	5.5 J	6.4 J
Perfluoropentanoic acid (PFPeA)	-	-	-	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	1.9 U	1.9 U	2.5 UJ	2 UJ	9	10.5
Perfluorohexanoic acid (PFHxA)	990	-	-	0.5 UJ	0.5 UJ	0.16 J	0.5 UJ	0.5 UJ	1.9 U	1.9 U	2.5 U	2 U	10.4	13
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	1.9 U	1.9 U	2.5 U	2 U	7.3	7.7
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.14 J	0.23 J	0.31 J	0.13 J	0.25 UJ	0.48 J	0.53 J	1.3 U	1 U	9.5	10.1
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	1.9 U	1.9 U	2.5 U	2 U	1 U	1.8 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1.9 U	1.9 U	2.5 UJ	2 UJ	1 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	1.9 U	1.9 U	2.5 U	2 U	1 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1.9 U	1.9 U	2.5 U	2 U	1 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1.9 U	1.9 U	2.5 U	2 U	1 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	1.9 U	1.9 U	2.5 U	2 U	1 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.44 UJ	0.44 UJ	0.16 J	0.16 J	0.44 UJ	1.9 U	1.9 U	2.5 U	2 U	3.8 J	4.9
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.47 UJ	0.47 UJ	0.47 UJ	0.47 UJ	0.47 UJ	3.7 U	3.7 U	5 U	4.1 U	5.4	6.6
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.73 J	0.75 J	1.5 J	1.3 J	1.2 J	0.94 J	1.9 U	1.2 J	0.73 J	62.3	65.6
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 UJ	0.47 UJ	0.47 UJ	0.47 UJ	0.47 UJ	1.9 U	1.9 U	2.5 U	2 U	2.9 J	2.5 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.42 J	0.47 UJ	0.47 UJ	0.47 UJ	0.47 UJ	1.9 U	1.9 U	2.5 U	2 U	99.4	72.9
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 UJ	0.94 UJ	0.94 UJ	0.94 UJ	0.94 UJ	1.9 U	1.9 U	2.5 U	2 U	1 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 UJ	0.47 UJ	0.47 UJ	0.47 UJ	0.47 UJ	1.9 U	1.9 U	2.5 U	2 U	1 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	3.7 U	3.7 U	5 U	4.1 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	7.4 U	7.4 U	10 U	8.2 U	2 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	1.9 UJ	7.4 U	7.4 U	10 U	8.2 U	3.7 J	3.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	7.4 U	7.4 U	10 U	8.2 U	2 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 UJ	0.25 UJ	0.25 UJ	0.25 UJ	0.25 UJ	1.9 U	1.9 U	2.5 U	2 U	1 U	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	3.7 UJ	3.7 UJ	5 U	4.1 U	2 U	3.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	3.7 U	3.7 U	5 U	4.1 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	3.7 U	3.7 U	5 U	4.1 U	2 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	3.7 U	3.7 U	5 U	4.1 U	2 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	2.5 UJ	19 UJ	19 UJ	25 U	20 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	19 UJ	19 UJ	25 U	20 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 UJ	4 UJ	4 UJ	4 UJ	4 UJ	1.9 U	1.9 U	2.5 U	2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.8 UJ	3.7 U	3.7 U	5 U	4.1 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	1.9 U	1.9 U	2.5 U	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	3.7 U	3.7 U	5 U	4.1 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 UJ	60 UJ	60 UJ	60 UJ	60 UJ	3.7 U	3.7 U	5 U	4.1 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 UJ	6.6 UJ	6.6 UJ	6.6 UJ	6.6 UJ	3.7 U	3.7 U	5 U	4.1 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 UJ	6.6 UJ	6.6 UJ	6.6 UJ	6.6 UJ	3.7 U	3.7 U	5 U	4.1 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 UJ	3.1 UJ	3.1 UJ	3.1 UJ	3.1 UJ	1.9 U	1.9 U	2.5 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 UJ	8.8 UJ	8.8 UJ	8.8 UJ	8.8 UJ	9.3 U	9.3 U	13 U	10 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 UJ	31 UJ	31 UJ	31 UJ	31 UJ	19 U	19 U	25 U	20 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 UJ	31 UJ	31 UJ	31 UJ	31 UJ	19 U	19 U	25 U	20 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1.29	0.98	1.81	1.43	1.2	1.42	0.53	1.2	0.73	178.5	156.3

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				14. Hardstand 19										
Location ID:				MMW0330				MMW0422						MMW0423
Sample ID:				LORNG_MMW0330_	LORNG_MMW0330_	LORNG_MMW0330_	LORNG_MMW0330_	LORNG_MMW0422_	LORNG_MMW0422_	LORNG_MMW0422_	LORNG_MMW0422_	LORNG_MMW0422_	LORNG_MMW0422_	LORNG_MMW0423_
Sample Date:				05162023	11032023	05212024	10212024	05072022	08302022	05232023	10132023	05132024	09252024	05072022
Sample Depth (ft bgs):				40-50	40-50	40-50	40-50	56-66	56-66	56-66	56-66	56-66	56-66	25-35
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.94542135	46.94542135	46.94542135	46.94542135	46.95045171	46.95045171	46.95045171	46.95045171	46.95045171	46.95045171	46.95044158
Longitude:				-67.90469898	-67.90469898	-67.90469898	-67.90469898	-67.91118066	-67.91118066	-67.91118066	-67.91118066	-67.91118066	-67.91118066	-67.91118337
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.3 J	7.5 J	5.3 J	5.8 J	2 U	2 J	1.8 J	2 J	2.4 J	4.4 U	2 U
Perfluoropentanoic acid (PFPeA)	-	-	-	10	12	8.2	8.2	1.3 J	2.1 J	1.5 J	1.7 J	2.2 J	1.8 J	1.8 J
Perfluorohexanoic acid (PFHxA)	990	-	-	12	15	9.8	10	1.3 J	2 J	1.9	2.1	2.6 J	3.1 J	1.7 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	7.4	8.7	5.9	5.8	1.1 J	1.4 J	1.2 J	1.3 J	1.6 J	1.2 J	1.2 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	8.8	10	6.9	6.9	2.4 J	3 J	2.5	2.7	2.9 J	2.3 J	3.1 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.87 J	1.3 J	0.75 J	0.66 J	1 U	2 U	0.5 U	0.5 U	1.8 U	2.2 U	1 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.2 U	1.8 U	1.9 U	1 U	2 U	1 U	1 U	1.8 U	2.2 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.58 U	1.8 U	1.9 U	1 U	2 U	0.5 U	0.5 U	1.8 U	2.2 U	1 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.2 U	1.8 U	1.9 U	1 U	2 UJ	1 U	1 U	1.8 U	2.2 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.2 U	1.8 U	1.9 U	1 U	2 UJ	1 U	1 U	1.8 U	2.2 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.58 U	1.8 U	1.9 U	1 U	2 UJ	0.5 U	0.5 U	1.8 U	2.2 U	1 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.8	5	3.2 J	3.4 J	1 J	1.1 J	1.2 J	1.2 J	1.3 J	1.2 J	1.2 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5.6	6.6	4.9	5.1	1 U	1.3 J	1 J	0.99 J	1.2 J	4.4 U	1.3 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	62	76	50.8	52.1	10.8	14.4	14	15	16.2	13.2	13.5
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8	2.4	2.2 J	2.2 J	1 U	2 U	0.21 J	0.2 J	1.8 U	2.2 U	1 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	78	130	65.9	60.5	6.1	7.9	7	6.8	7.1	6.6	8.6
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	1.1 U	1.8 U	1.9 U	1 U	2 U	0.94 U	0.94 U	1.8 U	2.2 U	1 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.55 U	1.8 U	1.9 U	1 U	2 U	0.47 U	0.47 U	1.8 U	2.2 U	1 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1.2 U	3.6 U	3.7 U	NA	NA	1 U	1 U	3.6 U	4.4 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	2.2 U	7.3 U	7.4 U	2 U	4 U	1.9 U	1.9 U	7.3 U	8.9 U	2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	3.7 J	7.3 U	7.4 U	2 U	4 U	1.9 U	1.9 U	7.3 U	8.9 U	2 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	4.4 U	7.3 U	7.4 U	2 U	4 U	3.8 U	3.8 U	7.3 U	8.9 U	2 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.29 U	1.8 U	1.9 U	1 U	2 U	0.25 U	0.25 U	1.8 U	2.2 U	1 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	3.6 UJ	3.7 U	2 U	4 UJ	1 U	1 U	3.6 U	4.4 U	2 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	3.6 U	3.7 U	NA	NA	1 U	1 U	3.6 UJ	4.4 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1.2 U	3.6 U	3.7 U	2 U	4 U	1 U	1 U	3.6 U	4.4 U	2 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1.2 U	3.6 U	3.7 UJ	2 U	4 UJ	1 U	1 U	3.6 U	4.4 U	2 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.9 U	18 UJ	19 U	NA	NA	2.5 U	2.5 U	18 U	22 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5.8 U	18 UJ	19 U	NA	NA	5 U	5 U	18 U	22 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4.7 U	1.8 U	1.9 U	NA	NA	4 U	4 U	1.8 U	2.2 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	4.4 U	3.6 U	3.7 U	NA	NA	3.8 U	3.8 U	3.6 U	4.4 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2.3 U	1.8 U	1.9 U	NA	NA	2 U	2 U	1.8 U	2.2 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.58 U	3.6 U	3.7 U	NA	NA	0.5 U	0.5 U	3.6 U	4.4 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	70 U	3.6 U	3.7 U	NA	NA	60 U	60 U	3.6 U	4.4 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	7.7 U	3.6 U	3.7 U	NA	NA	6.6 U	6.6 U	3.6 U	4.4 U	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	7.7 U	3.6 U	3.7 U	NA	NA	6.6 U	6.6 U	3.6 U	4.4 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.6 U	1.8 U	1.9 U	NA	NA	3.1 U	3.1 U	1.8 U	2.2 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	10 U	9.1 U	9.3 U	NA	NA	8.8 U	8.8 U	9.1 U	11 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	36 U	18 U	19 U	NA	NA	31 U	31 U	18 U	22 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	36 U	18 U	19 U	NA	NA	31 U	31 U	18 U	22 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	157.07	226	130.25	125.96	20.4	26.7	24.7	25.8	27.8	23.3	26.4

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				14. Hardstand 19					17. Fuel Dump Area					
Location ID:				MMW0423					BW17004					
Sample ID:				LORNG_MMW0423_	LORNG_MMW0423_	LORNG_MMW0423_	LORNG_MMW0423_	LORNG_MMW0423_	LORNG-BW17004-	LORNG_BW17004_0	LORNG_BW17004_0	LORNG_BW17004_0	LORNG_BW17004_1	LORNG_BW17004_0
Sample Date:				08302022	05232023	10132023	05172024	09252024	10222021	5182022	8312022	5092023	0162023	5102024
Sample Depth (ft bgs):				8/30/2022	5/23/2023	10/13/2023	5/17/2024	9/25/2024	10/22/2021	5/18/2022	8/31/2022	5/9/2023	10/16/2023	5/10/2024
Sample Type:				25-35	25-35	25-35	25-35	25-35	56-66	56-66	56-66	56-66	56-66	56-66
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.95044158	46.95044158	46.95044158	46.95044158	46.95044158	46.95651052	46.95651052	46.95651052	46.95651052	46.95651052	46.95651052
				-67.91118337	-67.91118337	-67.91118337	-67.91118337	-67.91118337	-67.89541835	-67.89541835	-67.89541835	-67.89541835	-67.89541835	-67.89541835
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2 J	2 J	2.2 J	1.7 J	2.1 J	1.98 J	3.1 J	2 J	2.4 J	2.1 J	3.9 U
Perfluoropentanoic acid (PFPeA)	-	-	-	2.2 J	1.8 J	2.2 J	1.2 J	1.3 J	3.9	6.6	3.5 J	4.7	3.9	2.8 J
Perfluorohexanoic acid (PFHxA)	990	-	-	2.2 J	2.1	2.7	1.6 J	2.4 J	4.69	5.8	3.4 J	4.3	4	2.6 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.5 J	1.4 J	1.6	1.1 J	1.4 J	2.18 J	3.6 J	2.3 J	2.7	2.5	1.6 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	3.2 J	3	3.8	2.2 J	2.7 J	4.38	6.4	3.9	3.9	3.7	2.3 J
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	0.5 U	0.5 U	1.8 U	1.9 U	1.95 U	1 U	1.8 U	0.26 J	0.23 J	2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1 U	1 U	1.8 U	1.9 U	1.95 U	1 U	1.8 U	1 U	1 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 UJ	0.5 U	0.5 U	1.8 U	1.9 U	1.95 U	1 U	1.8 U	0.5 U	0.5 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 UJ	1 U	1 U	1.8 U	1.9 U	1.95 U	1 U	1.8 U	1 U	1 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 UJ	1 U	1 U	1.8 U	1.9 U	1.95 U	1 U	1.8 U	1 U	1 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	0.5 U	0.5 U	1.8 U	1.9 U	1.95 U	1 U	1.8 U	0.5 U	0.5 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.4 J	1.3 J	1.3 J	1.1 J	1.2 J	1.95 U	1.2 J	0.94 J	0.82 J	0.84 J	2 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.2 J	1.1 J	1.4 J	3.6 U	3.8 U	1.95 U	1.6 J	1.8 U	0.89 J	0.78 J	3.9 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	14.9	16	19	12.5	13.8	15.7	19.5	13.6	14	13	8.8
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	0.19 J	0.31 J	1.8 U	1.9 U	1.95 U	1 U	1.8 U	0.47 U	0.47 U	2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	8.3	8.2	10	6.4	8.1	6.19	12.1	8.3	7.6	8.1	5.3
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	0.94 U	0.94 U	1.8 U	1.9 U	1.95 U	1 U	1.8 U	0.94 U	0.94 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 UJ	0.47 U	0.47 U	1.8 U	1.9 U	1.95 U	1 U	1.8 U	0.47 U	0.47 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.6 U	3.8 U	NA	NA	NA	1 U	1 U	3.9 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4 U	1.9 U	1.9 U	7.3 U	7.6 U	1.95 U	2 U	3.6 U	1.9 U	1.9 U	7.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4 U	1.9 U	1.9 U	7.3 U	7.6 U	1.95 U	2 U	3.6 U	2.6 J	1.9 U	7.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4 U	3.8 U	3.8 U	7.3 U	7.6 U	1.95 U	2 U	3.6 U	3.8 U	3.8 U	7.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	0.25 U	0.25 U	1.8 U	1.9 U	1.95 U	1 U	1.8 U	0.25 U	0.58 J	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4 UJ	1 U	1 U	3.6 UJ	3.8 U	0 R	2 U	3.6 UJ	1 U	1 U	3.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.6 U	3.8 U	NA	NA	NA	1 U	1 U	3.9 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 UJ	1 U	1 U	3.6 U	3.8 U	1.95 U	2 U	3.6 U	1 U	1 U	3.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 UJ	1 U	1 U	3.6 U	3.8 U	1.95 U	2 U	3.6 U	1 U	1 U	3.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	18 UJ	19 U	NA	NA	NA	2.5 U	2.5 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	18 UJ	19 U	NA	NA	NA	5 U	5 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	1.8 U	1.9 U	NA	NA	NA	4 U	4 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.6 U	3.8 U	NA	NA	NA	3.8 U	3.8 U	3.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.8 U	1.9 U	NA	NA	NA	2 U	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	3.6 U	3.8 U	NA	NA	NA	0.5 U	0.5 U	3.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	3.6 U	3.8 U	NA	NA	NA	60 U	60 U	3.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	3.6 U	3.8 U	NA	NA	NA	6.6 U	6.6 U	3.9 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.6 U	3.6 U	3.8 U	NA	NA	NA	6.6 U	6.6 U	3.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	1.8 U	1.9 U	NA	NA	NA	3.1 U	3.1 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	9.1 U	9.5 U	NA	NA	NA	8.8 U	8.8 U	9.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	18 U	19 U	NA	NA	NA	31 U	31 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	18 U	19 U	NA	NA	NA	31 U	31 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	27.9	28.6	34.4	22.2	26	28.45	41.6	28.1	28.46	27.53	18

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				17. Fuel Dump Area										
Location ID:				BW17004	BW17005						BW17006			
Sample ID:				LORNG_BW17004_0	LORNG_BW17005_0	LORNG_BW17005_1	LORNG_BW17005_0	LORNG_BW17005_1	LORNG_BW17005_0	LORNG_BW17005_1	LORNG_BW17006_0	LORNG_BW17006_1	LORNG_BW17006_0	LORNG_BW17006_1
Sample Date:				9262024	9012022	0032022	5102023	0202023	5162024	0012024	9182022	0262022	5242023	0182023
Sample Depth (ft bgs):				56-66	50-60	50-60	50-60	50-60	50-60	50-60	60-70	60-70	60-70	60-70
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.95651052	46.9585693	46.9585693	46.9585693	46.9585693	46.9585693	46.9585693	46.9587588	46.9587588	46.9587588	46.9587588
Longitude:				-67.89541835	-67.8925199	-67.8925199	-67.8925199	-67.8925199	-67.8925199	-67.8925199	-67.8947015	-67.8947015	-67.8947015	-67.8947015
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.8 U	10.4	11.3	10	5.2 J	8.7 J	9.5 J	4.3 J	6.6 J	4.6 J	3.6 J
Perfluoropentanoic acid (PFPeA)	-	-	-	3.1 J	27.7	25.8	27	12	20.4	23.1	7.8	9.7	12	9.2 J
Perfluorohexanoic acid (PFHxA)	990	-	-	2.9 J	17.7	18.3	19	8.1	13.1	16.9	7.6	14.6	8.9	6.2 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.7 J	16.8	15.9	16	7.4	12.1	15.3	2.8 J	3 J	2.6	2 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.7 J	9.7	9.4	9.3	4.9	7.2	9.3	1.7 J	1.5 J	1.7	1.2 UJ
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	1.1 J	1.9 U	0.98 J	0.98 J	0.77 J	1.1 J	1.9 U	1.8 U	0.5 U	0.5 UJ
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	2 U	1.9 U	1 U	1.1 U	1.8 U	2 U	1.9 U	1.8 U	1 U	1 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	2 U	1.9 U	0.5 U	0.56 U	1.8 U	2 U	1.9 U	1.8 U	0.5 U	0.5 UJ
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	2 U	9.3 U	1 U	1.1 U	1.8 U	2 U	1.9 U	1.8 UJ	1 U	1 UJ
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	2 U	9.3 U	1 U	1.1 U	1.8 U	2 U	1.9 U	1.8 UJ	1 U	1 UJ
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	2 U	9.3 U	0.5 U	0.56 U	1.8 U	2 U	1.9 U	1.8 UJ	0.5 U	0.5 UJ
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.56 J	2.4 J	2.4 J	1.8	1.2 J	1.3 J	1.7 J	1.9 U	6.5	0.32 J	0.25 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.8 U	2.1 J	2.3 J	1.9	1.1 J	1.9 J	2.5 J	1.9 U	1.8 U	0.21 J	0.47 UJ
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	9.6	27.9	26.4	27	14	24	25.5	3.6 J	2.6 J	2.7	2.1 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	2 U	1.9 U	0.34 J	0.35 J	1.8 U	0.94 J	1.9 U	1.8 U	0.47 U	0.47 UJ
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	4.9	23.6	24.6	20	14	17.8	25.6	2.2 J	1.6 J	1.6	1.3 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	2 U	1.9 U	0.94 U	1.1 U	1.8 U	2 U	1.9 U	1.8 U	0.94 U	0.94 UJ
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	2 U	1.9 U	0.47 U	0.53 U	1.8 U	2 U	1.9 U	1.8 U	0.47 U	0.47 UJ
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.8 U	NA	NA	1 U	1.1 U	3.6 U	4.1 U	NA	NA	1 U	1 UJ
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.7 U	4 U	3.7 U	1.9 U	2.1 U	7.2 U	8.2 U	3.7 U	3.6 U	1.9 U	1.9 UJ
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.7 U	4 U	3.7 U	1.9 U	2.1 U	7.2 U	8.2 U	33.2	4.8 J	2.8 J	1.4 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.7 U	4 U	3.7 U	3.8 U	4.3 U	7.2 U	8.2 U	3.7 U	3.6 U	3.8 U	3.8 UJ
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	2 U	1.9 U	0.13 J	0.28 U	1.8 U	2 U	1.9 U	1.8 U	0.25 U	0.34 UJ
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.8 U	20 UJ	3.7 U	1 U	0 R	3.6 U	4.1 U	19 UJ	0 R	1 U	1 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.8 U	NA	NA	1 U	0 R	3.6 U	4.1 U	NA	NA	1 U	1 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	4 U	3.7 U	1 U	1.1 U	3.6 U	4.1 U	3.7 U	3.6 U	1 U	1 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	4 U	3.7 U	1 U	1.1 U	3.6 U	4.1 U	3.7 U	3.6 U	1 U	1 UJ
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	NA	NA	2.5 U	2.8 U	18 UJ	20 U	NA	NA	2.5 U	2.5 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	NA	NA	5 U	5.6 U	18 UJ	20 U	NA	NA	5 U	5 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	NA	NA	4 U	4.5 U	1.8 U	2 U	NA	NA	4 U	4 UJ
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	NA	NA	3.8 U	4.3 U	3.6 U	4.1 U	NA	NA	3.8 U	3.8 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	NA	NA	2 U	2.2 U	1.8 U	2 U	NA	NA	2 U	2 UJ
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.8 U	NA	NA	0.5 U	0.56 U	3.6 U	4.1 U	NA	NA	0.5 U	0.5 UJ
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.8 U	NA	NA	60 U	67 U	3.6 U	4.1 U	NA	NA	60 U	60 UJ
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.8 U	NA	NA	6.6 U	7.4 U	3.6 U	4.1 U	NA	NA	6.6 U	6.6 UJ
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.8 U	NA	NA	6.6 U	7.4 U	3.6 U	4.1 U	NA	NA	6.6 U	6.6 UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	NA	NA	3.1 U	3.5 U	1.8 U	2 U	NA	NA	3.1 U	3.1 UJ
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.6 U	NA	NA	8.8 U	9.9 UJ	9 U	10 U	NA	NA	8.8 U	8.8 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	NA	NA	31 U	35 U	18 U	20 U	NA	NA	31 U	31 UJ
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	NA	NA	31 U	35 U	18 U	20 U	NA	NA	31 U	31 UJ
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	18.9	79.1	76.3	73.28	41.28	61.87	76.8	10.3	8.7	8.6	5.4

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				17. Fuel Dump Area										
Location ID:				BW17006			OW17002					OW17003		
Sample ID:				LORNG_BW17006_0	LORNG_BW17006_1	LORNG_OW17002_0	LORNG_OW17002_1	LORNG_OW17002_0	LORNG_OW17002_1	LORNG_OW17002_0	LORNG_OW17002_1	LORNG_OW17003_0	LORNG_OW17003_1	LORNG_OW17003_0
Sample Date:				5222024	0162024	8162022	0022022	5102023	0192023	5222024	0032024	9192022	0272022	6152023
Sample Depth (ft bgs):				60-70	60-70	18-28	18-28	18-28	18-28	18-28	18-28	25-35	25-35	25-35
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9587588	46.9587588	46.9584351	46.9584351	46.9584351	46.9584351	46.9584351	46.9584351	46.9586594	46.9586594	46.9586594
Longitude:				-67.8947015	-67.8947015	-67.8925202	-67.8925202	-67.8925202	-67.8925202	-67.8925202	-67.8925202	-67.894698	-67.894698	-67.894698
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.7 J	3.2 J	13.7	26.3	22	13	60.6	26.3	20 U	7.2 J	3.7 J
Perfluoropentanoic acid (PFPeA)	-	-	-	5.8 J	6.8 J	35.5	70.3	63	38	184	69.4	10 UJ	4.1	5.2
Perfluorohexanoic acid (PFHxA)	990	-	-	3.8	4.2	18.3	30	25	20	51.4	31.5	2 U	15.2	4.4
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.2 J	1.7 J	15.7	22.3	17	15	15.5	19.7	2 U	1.1 J	0.77 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.86 J	1.6 J	10.2	12.6	8.2	9	1.7 J	9.7	2 U	1.9 U	1.1 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	2.1 U	1.1 J	1.3 J	0.84 J	1.1 J	1.9 U	1.1 J	2 U	1.9 U	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	2.1 U	1.9 U	1.8 U	1 U	0.94 U	1.9 U	1.9 U	2 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	2.1 U	1.9 U	1.8 U	0.5 U	0.47 U	1.9 U	1.9 U	2 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	2.1 U	1.9 U	8.9 UJ	1 U	0.94 U	1.9 U	1.9 U	2 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	2.1 U	1.9 U	8.9 UJ	1 U	0.94 U	1.9 U	1.9 U	2 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	2.1 U	1.9 U	8.9 U	0.5 U	0.47 U	1.9 U	1.9 U	2 U	1.9 UJ	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 U	2.1 U	2 J	2.4 J	1.5	1.7	0.76 J	2.2 J	2 U	1.9 U	1.3 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.7 U	4.2 U	2.9 J	3.1 J	1.7	2.1	3.8 U	2.5 J	2 U	1.9 U	0.87 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1.3 J	1.9 J	29.1	32.9	25	29	1.9 U	31.1	2 U	1.9 U	4.5
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	2.1 U	1.9 U	1.8 U	0.38 J	0.54 J	1.9 U	1.9 U	2 U	1.9 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.92 J	1.6 J	39.4	42.5 J	25	34	0.79 J	31.4	2 U	1.9 U	1.5
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	2.1 U	1.9 U	1.8 U	0.94 U	0.88 U	1.9 U	1.9 U	2 U	1.9 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	2.1 U	1.9 U	1.8 U	0.47 U	0.44 U	1.9 U	1.9 U	2 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.7 U	4.2 U	NA	NA	1 U	0.94 U	3.8 U	3.9 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.5 U	8.3 U	3.7 U	3.6 U	1.9 U	1.8 U	7.5 U	7.8 U	4 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.5 U	8.3 U	3.7 U	3.6 U	1.9 U	1.8 U	7.5 U	7.8 U	371	11.9	3.6 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.5 U	8.3 U	3.7 U	3.6 U	3.8 U	3.6 U	7.5 U	7.8 U	4 U	3.7 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	2.1 U	1.9 U	1.8 U	0.14 J	0.28 J	1.9 U	1.9 U	2 U	1.9 U	0.16 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 UJ	4.2 U	3.7 U	18 UJ	1 U	0.94 U	3.8 UJ	3.9 U	0 R	0 R	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.7 U	4.2 U	NA	NA	1 U	0.94 U	3.8 U	3.9 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	4.2 U	3.7 U	3.6 U	1 U	0.94 U	3.8 U	3.9 U	4 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	4.2 U	3.7 U	3.6 U	1 U	0.94 U	3.8 U	3.9 U	4 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 UJ	21 U	NA	NA	2.5 U	2.3 U	19 UJ	19 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 UJ	21 U	NA	NA	5 U	4.7 U	19 UJ	19 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	2.1 U	NA	NA	4 U	3.8 U	1.9 U	1.9 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.7 U	4.2 U	NA	NA	3.8 U	3.6 U	3.8 U	3.9 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	2.1 U	NA	NA	2 U	1.9 U	1.9 U	1.9 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.7 U	4.2 U	NA	NA	0.5 U	0.47 U	3.8 U	3.9 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.7 U	4.2 U	NA	NA	60 U	56 U	3.8 U	3.9 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.7 U	4.2 U	NA	NA	6.6 U	6.2 U	3.8 U	3.9 U	NA	NA	6.6 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.7 U	4.2 U	NA	NA	6.6 U	6.2 U	3.8 U	3.9 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	2.1 U	NA	NA	3.1 U	2.9 U	1.9 U	1.9 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.3 U	10 U	NA	NA	8.8 U	8.3 UJ	9.4 U	9.7 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	21 U	NA	NA	31 U	29 U	19 U	19 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	21 U	NA	NA	31 U	29 U	19 U	19 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	4.28	6.8	95.5	111.6	76.04	88.1	17.99	93	12 U	1.1	7.87

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				17. Fuel Dump Area										
Location ID:				OW17003			SB/OW17001							
Sample ID:				LORNG_OW17003_1	LORNG_OW17003_0	LORNG-OW17001-	LORNG-OW17001-	LORNG_OW17001_0	LORNG_OW17001_0	LORNG_OW17001_0	LORNG_SB/OW1700	LORNG_SB/OW1700	LORNG_SB/OW1700	LORNG_SB/OW1700
Sample Date:				0262023	5222024	10222021	10222021FD	5172022	5172022FD	8312022	1_05092023	1_10162023	1_05162024	1_10032024
Sample Depth (ft bgs):				10/26/2023	5/22/2024	10/22/2021	10/22/2021	5/17/2022	5/17/2022	8/31/2022	5/9/2023	10/16/2023	5/16/2024	10/3/2024
Sample Type:				25-35	25-35	19-29	19-29	19-29	19-29	19-29	19-29	19-29	19-29	19-29
Latitude:				N	N	N	FD	N	FD	N	N	N	N	N
Longitude:				46.9586594	46.9586594	46.95684335	46.95684335	46.95684335	46.95684335	46.95684335	46.95684335	46.95684335	46.95684335	46.95684335
				-67.894698	-67.894698	-67.8937171	-67.8937171	-67.8937171	-67.8937171	-67.8937171	-67.8937171	-67.8937171	-67.8937171	-67.8937171
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4.5 U	3.2 J	5.43	5.83	5.3 J	5.5 J	9 J	11	14	10.2 J	11.7 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.8 J	1.7 J	15	15.4	14	14.2	29.2	30	39	23.4	33.8
Perfluorohexanoic acid (PFHxA)	990	-	-	1.3 J	1.1 J	12.4	11.7	8.4	8.6	14.4	17	25	13.6	20.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.3 J	0.82 J	5.1	4.43	4.4	4.5	5.6	4.8	9.7	3.7	6.9
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.57 J	2.5 J	4.15	3.43 J	4.1	4.3	4.3	3.8	9	2.4 J	5
Perfluorononanoic acid (PFNA)	5.9	10	-	0.51 U	2.1 U	2.01 U	1.94 U	1 U	1 U	2 U	0.3 J	1.3 J	1.8 U	0.79 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	2.1 U	2.01 U	1.94 U	1 U	1 U	2 U	1 U	1 U	1.8 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.51 U	2.1 U	2.01 U	1.94 U	1 U	1 U	2 U	0.5 U	0.5 U	1.8 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	2.1 U	2.01 U	1.94 U	1 U	1 U	2 U	1 U	1 U	1.8 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	2.1 U	2.01 U	1.94 U	1 U	1 U	2 U	1 U	1 U	1.8 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.51 U	2.1 U	2.01 U	1.94 U	1 U	1 U	2 U	0.5 U	0.5 U	1.8 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.97 J	1.3 J	2.01 U	1.94 U	1.1 J	1.1 J	1.9 J	2.2	3.4	2 J	2.5 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.34 J	4.1 U	2.01 U	1.94 U	1.1 J	1.2 J	2 J	1.4 J	2.5	1.1 J	2.4 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1.7	5.1	16.8	15.1	14	14	15.1	15	27	10.2	17.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.48 U	2.1 U	2.01 U	1.94 U	1 U	1 U	2 U	0.47 U	0.35 J	1.8 U	2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.48 U	1.4 J	6.31	6.46	8	8.1	7.9	5.8	18	4.4	6.5
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.95 U	2.1 U	2.01 U	1.94 U	1 U	1 U	2 U	0.94 U	0.94 U	1.8 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.48 U	2.1 U	2.01 U	1.94 U	1 U	1 U	2 U	0.47 U	0.47 U	1.8 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	4.1 U	NA	NA	NA	NA	NA	1 U	1 U	3.6 U	3.9 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	8.2 U	2.01 U	1.94 U	2 U	2 U	4 U	1.9 U	1.9 U	7.1 U	7.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	8.2 U	2.01 U	1.83 J	2 U	2 U	4 U	1.9 U	1.3 J	7.1 U	7.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.9 U	8.2 U	2.01 U	1.94 U	2 U	2 U	4 U	3.8 U	3.8 U	7.1 U	7.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	2.1 U	2.01 U	1.94 UJ	1 U	1 U	2 U	0.25 U	0.16 J	1.8 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	4.1 UJ	0 R	0 R	2 U	10 UJ	4 U	1 U	1 U	3.6 U	3.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	4.1 U	NA	NA	NA	NA	NA	1 U	1 U	3.6 U	3.9 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	4.1 U	2.01 U	1.94 U	2 U	2 U	4 U	1 U	1 U	3.6 U	3.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	4.1 U	2.01 U	1.94 U	2 U	10 U	4 U	1 U	1 U	3.6 U	3.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 J	21 UJ	NA	NA	NA	NA	NA	2.5 U	2.5 U	18 UJ	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	3.3 J	21 UJ	NA	NA	NA	NA	NA	5 U	5 U	18 UJ	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4.1 U	2.1 U	NA	NA	NA	NA	NA	4 U	4 U	1.8 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.9 U	4.1 U	NA	NA	NA	NA	NA	3.8 U	3.8 U	3.6 U	3.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2.1 U	NA	NA	NA	NA	NA	2 U	2 U	1.8 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.51 U	4.1 U	NA	NA	NA	NA	NA	0.5 U	0.5 U	3.6 U	3.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	61 U	4.1 U	NA	NA	NA	NA	NA	60 U	60 U	3.6 U	3.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.7 U	4.1 U	NA	NA	NA	NA	NA	6.6 U	6.6 U	3.6 U	3.9 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.7 U	4.1 U	NA	NA	NA	NA	NA	6.6 U	6.6 U	3.6 U	3.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	2.1 U	NA	NA	NA	NA	NA	3.1 U	3.1 U	1.8 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.9 U	10 U	NA	NA	NA	NA	NA	8.8 U	8.8 U	8.9 U	9.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	21 U	NA	NA	NA	NA	NA	31 U	31 U	18 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	21 U	NA	NA	NA	NA	NA	31 U	31 U	18 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	2.57	9.82	32.36	29.42	30.5	30.9	32.9	29.7	65	20.7	37.09

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				18. Main Runway Foaming Area										
Location ID:				AA18MW-02						JBW7742A			JMW6001	
Sample ID:				LORNG_AA18MW02	LORNG_AA18MW02	LORNG_AA18MW-02_06152023	LORNG_AA18MW-02_10192023	LORNG_AA18MW-02_05162024	LORNG_AA18MW-02_10082024	LORNG_JBW7742A_11102023	LORNG_JBW7742A_06112024	LORNG_JBW7742A_10232024	LORNG_JMW6001_05062022	LORNG_JMW6001_05062022FD
Sample Date:				5/22/2022	9/30/2022	6/15/2023	10/19/2023	5/16/2024	10/8/2024	11/10/2023	6/11/2024	10/23/2024	5/6/2022	5/6/2022
Sample Depth (ft bgs):				42-52	42-52	42-52	42-52	42-52	42-52	369-379	369-379	369-379	4-14	4-14
Sample Type:				N	N	N	N	N	N	N	N	N	N	FD
Latitude:				46.94952058	46.94952058	46.94952058	46.94952058	46.94952058	46.94952058	46.94473937	46.94473937	46.94473937	46.94584145	46.94584145
Longitude:				-67.88566749	-67.88566749	-67.88566749	-67.88566749	-67.88566749	-67.88566749	-67.8972625	-67.8972625	-67.8972625	-67.89781413	-67.89781413
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.8 J	4.6 J	4 J	4.2 J	3.7 J	4.9 J	1.7 J	6.7 U	33 U	3.1 J	3.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	4.6	9.3	7.8	8.5	6.1 J	10	3.4	6.6 J	17 U	1.1 J	1.4 J
Perfluorohexanoic acid (PFHxA)	990	-	-	3.6 J	6.5	4.9	5.8	3.9 J	7	3.4	9	5 J	1 J	1.2 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.9 J	4.5	3.3	3.6	2.7 J	4.5	2	4 J	17 U	0.86 U	0.86 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.1 J	3.2 J	2.6	2.6	2 J	3.1	2.2	3.2 J	8.3 U	0.86 U	0.86 U
Perfluorononanoic acid (PFNA)	5.9	10	-	1 U	1.8 U	0.5 U	0.54 U	2 U	0.62 U	0.49 U	3.3 U	17 U	0.86 U	0.86 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.8 U	1 U	1.1 U	2 U	0.85 U	0.97 U	3.3 U	17 U	0.86 U	0.86 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1 U	1.8 U	0.5 U	0.54 U	2 U	1.3 U	0.49 U	3.3 U	17 U	0.86 U	0.86 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.8 U	1 U	1.1 U	2 U	0.85 U	0.97 U	3.3 U	17 U	0.86 U	0.86 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.8 U	1 U	1.1 U	2 U	1.3 U	0.97 U	3.3 U	17 U	0.86 U	0.86 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1 U	1.8 U	0.5 U	0.54 U	2 U	0.85 U	0.49 U	3.3 U	17 U	0.86 U	0.86 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.1 J	1.1 J	0.78 J	0.82 J	0.89 J	1 J	0.51 J	3.3 U	17 U	0.86 U	0.86 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.2 J	1 J	0.84 J	0.7 J	4 U	0.88 J	0.53 J	6.7 U	33 U	0.86 U	0.86 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	8.6	9.3	8.5	7.5	6.8	11	4	7	7.6 J	4.3	4.5
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1 U	1.8 U	0.47 U	0.51 U	2 U	0.58 U	0.46 U	3.3 U	17 U	0.86 U	0.86 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	4.4	5.3	5	5.2 J	3.8 J	6.4	3.7	5 J	17 U	6	6.3
Perfluorononanesulfonic acid (PFNS)	-	-	-	1 U	1.8 U	0.94 U	1 U	2 U	1.2 U	0.91 U	3.3 U	17 U	0.86 U	0.86 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1 U	1.8 U	0.47 U	0.51 U	2 U	1.2 U	0.46 U	3.3 U	17 U	0.86 U	0.86 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1.1 U	4 U	0.85 U	0.97 U	6.7 U	33 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	2 U	3.6 U	1.9 U	2.1 U	8 U	3.2 U	1.8 U	13 U	67 U	1.7 U	1.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2 U	3.6 U	1.9 U	2.1 U	8 U	3.3 U	13	396	110 J	1.7 U	1.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	2 U	3.6 U	3.8 U	4.1 U	8 U	4.7 U	3.7 U	13 U	67 U	1.7 U	1.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1 U	1.8 U	0.25 U	0.27 U	2 U	0.34 J	0.24 U	3.3 U	17 U	0.86 U	0.86 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	2 U	18 UJ	1 U	0 R	4 U	1.3 U	0.97 U	6.7 U	33 U	8.6 UJ	8.6 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	0 R	4 U	1.3 U	0.97 U	6.7 U	33 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	2 U	3.6 U	1 U	1.1 U	4 U	1.3 U	0.97 U	6.7 U	33 U	1.7 U	1.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	2 U	3.6 U	1 U	1.1 U	4 U	0.85 U	0.97 U	6.7 U	33 UJ	1.7 U	1.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.7 U	20 UJ	8.5 U	2.4 U	33 U	170 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5.4 U	20 UJ	8.5 U	4.9 U	33 U	170 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4.3 U	2 U	3.4 U	3.9 U	3.3 U	17 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	4.1 U	4 U	3.2 U	3.7 U	6.7 U	33 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2.2 U	2 U	2.9 U	1.9 U	3.3 U	17 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.54 U	4 U	1.3 U	0.49 U	6.7 U	33 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	65 U	4 U	25 U	58 U	6.7 U	33 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	7.1 U	4 U	3.2 U	6.4 U	6.7 U	33 U	NA	NA
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	7.1 U	4 U	2.3 U	6.4 U	6.7 U	33 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.3 U	2 U	2.1 U	3 U	3.3 U	17 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	9.5 UJ	10 U	6.2 U	8.5 UJ	17 U	83 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	33 U	20 U	31 U	30 U	33 U	170 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	33 U	20 U	31 U	30 U	33 U	170 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	18	22.3	19.4	18.9	15.3	25	11.9	19.2	7.6	10.3	10.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				18. Main Runway Foaming Area										
Location ID:				JMW6001										
Sample ID:				LORNG_JMW6001_0	LORNG_JMW6001_0	LORNG_JMW6001_0	LORNG_JMW6001_0	LORNG_JMW6001_1	LORNG_JMW6001_1	LORNG_JMW6001_0	LORNG_JMW6001_0	LORNG_JMW6001_0	LORNG_JMW6001_0	LORNG_JMW6001_0
Sample Date:				9282022	9282022FD	5162023	5162023FD	0172023	0172023FD	5142024	5142024FD	9262024	9262024FD	10232021
Sample Depth (ft bgs):				4-14	4-14	4-14	4-14	4-14	4-14	4-14	4-14	4-14	4-14	42-52
Sample Type:				N	FD	N	FD	N	FD	N	FD	N	FD	N
Latitude:				46.94584145	46.94584145	46.94584145	46.94584145	46.94584145	46.94584145	46.94584145	46.94584145	46.94584145	46.94584145	46.96213652
Longitude:				-67.89781413	-67.89781413	-67.89781413	-67.89781413	-67.89781413	-67.89781413	-67.89781413	-67.89781413	-67.89781413	-67.89781413	-67.89597349
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4.2 J	4.2 J	13	11	5.2 J	5.3 J	12.1 J	12.1 J	12.4 J	23 J	2.06 U
Perfluoropentanoic acid (PFPeA)	-	-	-	1.9 U	1.9 U	9.7	7.9	3.3	3.6	6.9 J	8.4 J	13.1	16.7	2.06 U
Perfluorohexanoic acid (PFHxA)	990	-	-	1.9 U	1.9 U	7.3	6	3.4	3.7	8	9	10.7 J	16 J	2.06 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.8 J	2 J	6	4.7	2.2	2.4	6	6.2	7.8 J	10.8 J	1.55 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.1 J	1.9 U	5.1	4.1	2.7	3.2	7.9	8.5	9.8 J	14.6 J	3.71 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	1.9 U	1.9	1.6 J	0.7 J	0.7 J	1.7 J	1.3 J	2.7 J	3.4 J	2.06 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.9 U	1 U	1 U	0.9 U	0.9 U	2.1 U	2.2 U	1.9 U	0.63 J	2.06 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.9 U	0.5 U	0.5 U	0.45 U	0.45 U	2.1 U	2.2 U	1.9 U	1.9 U	2.06 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.9 U	1 U	1 U	0.9 U	0.9 U	2.1 U	2.2 U	1.9 U	1.9 U	2.06 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.9 U	1 U	1 U	0.9 U	0.9 U	2.1 U	2.2 U	1.9 U	1.9 U	2.06 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.9 U	0.5 U	0.5 U	0.45 U	0.45 U	2.1 U	2.2 U	1.9 U	1.9 U	2.06 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 U	1.9 U	0.57 J	0.53 J	0.77 J	0.78 J	1.7 J	1.8 J	2.7 J	2.6 J	2.06 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.9 U	1.9 U	0.38 J	0.32 J	0.82 J	0.86 J	2.8 J	2.2 J	3.6 J	4.5 J	2.06 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	3.9	3.2 J	6.5	5	15	15	32.8	33.2	47.2	57.3	13.2
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	1.9 U	0.24 J	0.18 J	0.26 J	0.32 J	0.91 J	0.98 J	2.2 J	2.5 J	2.06 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	5.6	5	16	15	15	16	36.7	34.9	70.8	85	8.69
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.9 U	0.94 U	0.94 U	0.85 U	0.85 U	2.1 U	2.2 U	1.9 U	1.9 U	2.06 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.9 U	0.47 U	0.47 U	0.42 U	0.42 U	2.1 U	2.2 U	1.9 U	1.9 U	2.06 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	0.9 U	0.9 U	4.2 U	4.4 U	3.7 U	3.8 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	3.7 U	1.9 UJ	1.9 UJ	1.7 U	1.7 U	8.3 U	8.8 U	7.5 U	7.5 U	2.06 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	33.4 J	57.8 J	1.9 U	1.9 U	1.8 J	1.2 J	6.1 J	5.9 J	17.7 J	19.4	2.06 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.7 U	3.8 U	3.8 U	3.4 U	3.4 U	8.3 U	8.8 U	7.5 U	7.5 U	2.06 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	1.9 U	0.25 U	0.25 U	0 J	0.22 U	2.1 U	2.2 U	1.9 U	1.9 U	13.8
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 UJ	19 UJ	1 U	1 U	0.9 U	0.9 U	4.2 U	4.4 U	3.7 U	3.8 U	10.3 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	0.9 U	0.9 U	4.2 UJ	4.4 UJ	3.7 U	3.8 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	3.7 U	1 U	1 U	0.9 U	0.9 U	4.2 U	4.4 U	3.7 U	3.8 U	2.06 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	3.7 U	1 U	1 U	0.9 U	0.9 U	4.2 U	4.4 U	3.7 U	3.8 U	2.06 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	2.3 U	2.2 U	21 U	22 U	19 U	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	4.5 U	4.5 U	21 U	22 U	19 U	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	3.6 U	3.6 U	2.1 U	2.2 U	1.9 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.4 U	3.4 U	4.2 U	4.4 U	3.7 U	3.8 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	1.8 U	1.8 U	2.1 U	2.2 U	1.9 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	0.45 U	0.45 U	4.2 U	4.4 U	3.7 U	3.8 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	54 U	54 U	4.2 U	4.4 U	3.7 U	3.8 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	6 U	5.9 U	4.2 U	4.4 U	3.7 U	3.8 U	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6.6 U	6 U	5.9 U	4.2 U	4.4 U	3.7 U	3.8 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	2.8 U	2.8 U	2.1 U	2.2 U	1.9 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	8 U	7.9 U	10 U	11 U	9.3 U	9.4 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	28 U	28 U	21 U	22 U	19 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	28 U	28 U	21 U	22 U	19 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	12.4	10.2	35.5	30.4	35.6	37.3	85.1	84.1	138.3	171.73	27.15

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				24. Former Jet Engine Test Cell (FJETC)										
Location ID:				CBW02						FMW3410				
Sample ID:				LORNG_CBW02_051	LORNG_CBW02_083	LORNG_CBW02_061	LORNG_CBW02_102	LORNG_CBW02_052	LORNG_CBW02_101	LORNG_FM3410_0	LORNG_FM3410_0	LORNG_FM3410_0	LORNG_FM3410_1	LORNG_FM3410_0
Sample Date:				92022	12022	42023	52023	22024	02024	5222022	9012022	6072023	0312023	6132024
Sample Depth (ft bgs):				5/19/2022	8/31/2022	6/14/2023	10/25/2023	5/22/2024	10/10/2024	5/22/2022	9/1/2022	6/7/2023	10/31/2023	6/13/2024
Sample Type:				42-52	42-52	42-52	42-52	42-52	42-52	49-64	49-64	49-64	49-64	49-64
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.96213652	46.96213652	46.96213652	46.96213652	46.96213652	46.96213652	46.962526	46.962526	46.962526	46.962526	46.962526
				-67.89597349	-67.89597349	-67.89597349	-67.89597349	-67.89597349	-67.89597349	-67.896733	-67.896733	-67.896733	-67.896733	-67.896733
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	7.6 J	12.9 J	3.6 J	4.8 J	3.6 J	4.8 J	20.2	19.1	8.6	20	15.1
Perfluoropentanoic acid (PFPeA)	-	-	-	1.9 J	5.8	2 J	1.2 J	1.8 U	4.5 J	59.8	51.9	18	54	42.3
Perfluorohexanoic acid (PFHxA)	990	-	-	2.3 J	4.8	2	2.1 J	2.1 J	4.4 J	33.1	31.2	13	35	29.3
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.3 J	2 J	1 J	0.9 J	0.72 J	1.1 J	30.2	27.1	12	29	24.4
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.2 J	3.1 J	1.8	1.2 J	1.3 J	3.5 J	18.1	18.5	7.5	19	14.3
Perfluorononanoic acid (PFNA)	5.9	10	-	1 U	2 U	0.47 J	0.38 J	1.8 U	2.3 U	2.2 J	2.3 J	1.3 J	2.4	1.8 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	2 U	1 U	0.93 UJ	1.8 U	2.3 U	1 U	1.9 U	1 U	0.92 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1 U	2 U	0.5 U	0.46 UJ	1.8 U	2.3 U	1 U	1.9 U	0.5 U	0.46 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	2 U	1 U	0.93 UJ	1.8 U	2.3 U	1 U	1.9 U	1 U	0.92 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	2 U	1 U	0.93 UJ	1.8 U	2.3 U	1 U	1.9 U	1 U	0.92 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1 U	2 U	0.5 U	0.46 UJ	1.8 U	2.3 U	1 U	1.9 U	0.5 U	0.46 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1 U	2 U	0.63 J	0.75 J	0.56 J	0.75 J	4.4	3.9	1.6	4.4	3.3 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1 U	2 U	0.4 J	0.44 J	3.7 U	4.5 U	5.5	4.6	1.9	5.4	4.3 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	10.7	15.4	11	8 J	8	14.1	48.5	57.7	22	63	45.7
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1 U	2 U	0.17 J	0.44 UJ	1.8 U	2.3 U	1.5 J	2.5 J	0.53 J	1.5	1.6 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	9.7	12.8	9.6	6.8 J	5.1	10.5	75.5	71.9	24	85	60.6
Perfluorononanesulfonic acid (PFNS)	-	-	-	1 U	2 U	0.94 U	0.87 UJ	1.8 U	2.3 U	1 U	1.9 U	0.94 U	0.86 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1 U	2 U	0.47 U	0.44 UJ	1.8 U	2.3 U	1 U	1.9 U	0.47 U	0.43 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	0.93 UJ	3.7 U	4.5 U	NA	NA	1 U	0.92 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	2 U	4 U	1.9 U	1.8 UJ	73 U	9.1 U	2 U	3.7 U	1.9 U	1.7 U	7.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2 U	2.8 J	1.9 U	1.8 UJ	7.3 U	9.1 U	2 U	3.7 U	1.9 U	0.96 J	7.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	2 U	4 U	3.8 U	3.5 UJ	7.3 U	9.1 U	2 U	3.7 U	3.8 U	3.5 U	7.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1 U	2 U	0.25 U	0.23 UJ	1.8 U	2.3 U	1 U	1.9 U	0.25 U	0.23 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0 R	20 UJ	1 U	0.93 UJ	3.7 UJ	4.5 U	2 U	3.7 UJ	1 U	0.92 U	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	0 R	3.7 U	4.5 U	NA	NA	1 U	0.92 U	3.8 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	2 U	4 U	1 U	0.93 UJ	3.7 U	4.5 U	2 U	3.7 U	1 U	0.92 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	2 U	4 U	1 U	0.93 UJ	3.7 U	4.5 U	2 U	3.7 U	1 U	0.92 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.3 UJ	18 UJ	23 U	NA	NA	2.5 U	2.3 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	6.9 J	18 UJ	23 U	NA	NA	5 U	4.6 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	3.7 UJ	1.8 U	2.3 U	NA	NA	4 U	3.7 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.5 UJ	3.7 U	4.5 U	NA	NA	3.8 U	3.5 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	1.9 UJ	1.8 U	2.3 U	NA	NA	2 U	1.8 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.46 UJ	3.7 U	4.5 U	NA	NA	0.5 U	0.46 U	3.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	56 UJ	3.7 U	4.5 U	NA	NA	60 U	55 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.1 UJ	3.7 U	4.5 U	NA	NA	6.6 U	6.1 U	3.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	NA	6.6 U	6.1 UJ	3.7 U	4.5 U	NA	NA	6.6 U	6.1 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	2.9 UJ	1.8 U	2.3 U	NA	NA	3.1 U	2.8 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.1 UJ	9.2 U	11 U	NA	NA	8.8 U	8.1 U	9.6 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	29 UJ	18 U	23 U	NA	NA	31 U	28 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	29 UJ	18 U	23 U	NA	NA	31 U	28 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	23.9	33.3	23.87	17.28	15.12	29.2	174.5	177.5	66.8	198.4	146.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				24. Former Jet Engine Test Cell (FJETC)										
Location ID:				FMW3410				FMW3413				JBW7912		
Sample ID:				LORNG_FMW3410_1	LORNG_FMW3410_1	LORNG_FMW3413_0	LORNG_FMW3413_0	LORNG_FMW3413_0	LORNG_FMW3413_1	LORNG_FMW3413_0	LORNG_FMW3413_1	LORNG_JBW7912_1	LORNG_JBW7912_4	LORNG_JBW7912_1
Sample Date:				0102024	0102024FD	5222022	9012022	6152023	0262023	6062024	0072024	50_05102022	0_05102022	50_09012022
Sample Depth (ft bgs):				10/10/2024	10/10/2024	5/22/2022	9/1/2022	6/15/2023	10/26/2023	6/6/2024	10/7/2024	5/10/2022	5/10/2022	9/1/2022
Sample Type:				49-64	49-64	57-67	57-67	57-67	57-67	57-67	57-67	44-212	44-212	44-212
Latitude:				N	FD	N	N	N	N	N	N	N	N	N
Longitude:				46.962526	46.962526	46.960955	46.960955	46.960955	46.960955	46.960955	46.960955	46.77644135	46.77644135	46.77644135
				-67.896733	-67.896733	-67.894249	-67.894249	-67.894249	-67.894249	-67.894249	-67.894249	-67.63088273	-67.63088273	-67.63088273
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	16.3	16.1	6.4 J	8.8	7.9	8	5.1 J	6.4 J	10.5	9.5	12
Perfluoropentanoic acid (PFPeA)	-	-	-	51.9 J	50.9 J	11.8	19.1	16	18	9.8	12	19.8	20.5	25.5
Perfluorohexanoic acid (PFHxA)	990	-	-	35.3	34.9	7.7	12.1	11	12	7.3	8.6	12	13.3	15.4
Perfluoroheptanoic acid (PFHpA)	-	-	-	28.1	27.4	7.4	10.9	11	11	6.8	7.9	11	10.9	14.7
Perfluorooctanoic acid (PFOA)	0.0027	4	-	16.9	17.1	5.1	7.9	7	7.6	4.6	6	8.4	9	10.7
Perfluorononanoic acid (PFNA)	5.9	10	-	2.3 J	2.4 J	1 U	1.9 J	1.2 J	1.4 J	0.86 J	1.1 J	1.2 J	1.2 J	1.4 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 UJ	1.9 UJ	1 U	2 U	1 U	0.93 U	1.9 U	0.94 U	1 U	1 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	1.9 U	1 U	2 U	0.5 U	0.46 U	1.9 U	1.4 U	1 U	1 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	1.9 U	1 U	2 U	1 U	0.93 U	1.9 U	0.94 U	1 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	1.9 U	1 U	2 U	1 U	0.93 U	1.9 U	1.4 U	1 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	1.9 U	1 U	2 U	0.5 U	0.46 U	1.9 U	0.94 U	1 U	1 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.2 J	3.2 J	1.1 J	2.3 J	1.5	1.5	0.97 J	1.4 J	2.2 J	1.9 J	3 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5 J	5.6	1.6 J	2.2 J	1.8	1.8	1.2 J	1.5 J	3.1 J	2.6 J	3.3 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	50.8	49.6	16.3	21.8	21	21	14.5	18	27.1	25.2	36.3
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.6 J	1.4 J	1 U	2 U	0.36 J	0.33 J	1.9 U	0.34 J	1.2 J	1 U	1.5 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	65.8	60	20.1	26.8	20	27	15.7	20	50.7	44.8	61.1
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	1.9 U	1 U	2 U	0.94 U	0.87 U	1.9 U	1.3 U	1 U	1 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	1.9 U	1 U	2 U	0.47 U	0.44 U	1.9 U	1.3 U	1 U	1 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4.1 U	3.8 U	NA	NA	1 U	0.93 U	3.7 U	0.94 U	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	8.2 U	7.7 U	2 U	4 U	1.9 U	1.8 U	7.5 U	3.5 U	2 U	2 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	8.2 U	7.7 U	2 U	4 U	1.9 U	1.8 U	7.5 U	3.6 U	2 U	4.6 J	3.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	8.2 U	7.7 U	2 U	4 U	3.8 U	3.5 U	7.5 U	5.2 U	2 U	2 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	1.9 U	1 U	2 U	0.25 U	0.23 U	1.9 U	0.68 U	1 U	1 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4.1 U	3.8 U	2 U	20 U	1 U	0.93 U	3.7 U	1.4 U	2 U	2 U	3.7 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4.1 U	3.8 U	NA	NA	1 U	0.93 U	3.7 U	1.4 U	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4.1 U	3.8 U	2 U	4 U	1 U	0.93 U	3.7 U	1.4 U	2 U	2 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4.1 U	3.8 U	2 U	4 U	1 U	0.93 U	3.7 U	0.94 U	2 U	2 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	19 U	NA	NA	2.5 U	2.3 U	19 U	9.4 U	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	19 U	NA	NA	5 U	4.6 U	19 U	9.4 U	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	1.9 U	NA	NA	4 U	3.7 U	1.9 U	3.7 U	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4.1 U	3.8 U	NA	NA	3.8 U	3.5 U	3.7 U	3.5 U	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.9 U	NA	NA	2 U	1.9 U	1.9 U	3.2 U	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4.1 U	3.8 U	NA	NA	0.5 U	0.46 U	3.7 U	1.4 U	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4.1 U	3.8 U	NA	NA	60 U	56 U	3.7 U	28 U	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4.1 U	3.8 U	NA	NA	6.6 U	6.1 U	3.7 U	3.5 U	NA	NA	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4.1 U	3.8 U	NA	NA	6.6 U	6.1 U	3.7 U	2.6 U	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	1.9 U	NA	NA	3.1 U	2.9 U	1.9 U	2.4 U	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	10 U	9.6 U	NA	NA	8.8 U	8.1 U	9.3 U	6.8 U	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	19 U	NA	NA	31 U	29 U	19 U	34 U	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	19 U	NA	NA	31 U	29 U	19 U	34 U	NA	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	163.9	156.5	48.9	69.3	60.2	68	42.46	53	98.4	91.1	124.2

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				24. Former Jet Engine Test Cell (FJETC)										
Location ID:				JBW7912								JMW7913		
Sample ID:				LORNG_JBW7912_4	LORNG_JBW7912_4	LORNG_JBW7912_1	LORNG_JBW7912_1	LORNG_JBW7912_4	LORNG_JBW7912_1	LORNG_JBW7912_4	LORNG_JBW7912_1	LORNG_JBW7912_4	LORNG_JMW7913_0	LORNG_JMW7913_0
Sample Date:				0 09012022	0 06152023	50 06152023	50 10312023	6 10312023	50 06072024	6 06072024	50 10072024	6 10072024	5202022	9292022
Sample Depth (ft bgs):				44-212	44-212	44-212	44-212	44-212	44-212	44-212	44-212	44-212	15-25	15-25
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.77644135	46.77644135	46.77644135	46.77644135	46.77644135	46.77644135	46.77644135	46.77644135	46.77644135	46.96057002	46.96057002
Longitude:				-67.63088273	-67.63088273	-67.63088273	-67.63088273	-67.63088273	-67.63088273	-67.63088273	-67.63088273	-67.63088273	-67.89352052	-67.89352052
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	13.3	11	11	12	13	8.9 J	9.7 J	12	14	2 U	3.6 U
Perfluoropentanoic acid (PFPeA)	-	-	-	33.7	27	20	24	33	15.4	23.7	21	34	1 U	1.8 U
Perfluorohexanoic acid (PFHxA)	990	-	-	20.1	18	14	16	21	10.5	16.1	13	23	1 U	1.8 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	17.6	14	13	14	17	9.2	13.1	12	18	1 U	1.8 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	12.8	10	7.8	9.9	11	7.3	8.6	10	13	1 U	1.8 U
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 J	1.2 J	0.89 J	1.2 J	1.4 J	0.74 J	1.1 J	1.2 J	1.5 J	1 U	1.8 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	1 U	0.96 U	0.96 U	1.8 U	1.8 U	0.9 U	0.87 U	1 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.5 U	0.48 U	0.48 U	1.8 U	1.8 U	1.3 U	1.3 U	1 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	1 U	0.96 U	0.96 U	1.8 U	1.8 U	0.9 U	0.87 U	1 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	1 U	0.96 U	0.96 U	1.8 U	1.8 U	1.3 U	1.3 U	1 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.5 U	0.48 U	0.48 U	1.8 U	1.8 U	0.9 U	0.87 U	1 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.1 J	2.1	2.6	2.8	2.9	1.7 J	2.1 J	2.7	3.2	1 U	1.8 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3 J	2.4	3.2	3.2	3.6	2.5 J	2.7 J	3.2	3.6	1 U	1.8 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	38.3	29	34	35	37	27	30.8	35	39	1 U	1.8 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.4 J	0.55 J	0.72 J	0.87 J	0.69 J	0.79 J	0.83 J	0.96 J	0.73 J	1 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	50	45	42	52	47	42.3	33.2	60	48	1 U	1.8 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.94 U	0.9 U	0.9 U	1.8 U	1.8 U	1.2 U	1.2 U	1 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.47 U	0.45 U	0.45 U	1.8 U	1.8 U	1.2 U	1.2 U	1 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	0.96 U	0.96 U	3.6 U	3.6 U	0.9 U	0.87 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	1.9 U	1.8 U	1.8 U	7.2 U	7.3 U	3.4 U	3.3 U	2 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4.1 J	1.9 U	1.9 U	0.79 J	1.8 U	7.2 U	7.3 U	3.5 U	3.3 U	2 U	3.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.8 U	3.8 U	3.6 U	3.7 U	7.2 U	7.3 U	5 U	4.8 U	2 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	0.25 U	0.49 J	0.24 U	0.24 U	1.8 U	1.8 U	0.65 U	0.24 J	1 U	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 UJ	1 U	1 U	0.96 U	0.96 U	3.6 U	3.6 U	1.3 U	1.3 U	10 U	3.6 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	0.96 U	0.96 U	3.6 U	3.6 U	1.3 U	1.3 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	1 U	0.96 U	0.96 U	3.6 U	3.6 U	1.3 U	1.3 U	2 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1 U	1 U	0.96 U	0.96 U	3.6 U	3.6 U	0.9 U	0.87 U	2 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	2.4 U	2.4 U	18 U	18 U	9 U	8.7 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	4.8 U	4.8 U	18 U	18 U	9 U	8.7 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	3.8 U	3.8 U	1.8 U	1.8 U	3.6 U	3.4 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.6 U	3.7 U	3.6 U	3.6 U	3.4 U	3.3 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.9 U	1.9 U	1.8 U	1.8 U	3.1 U	3 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	0.48 U	0.48 U	3.6 U	3.6 U	1.3 U	1.3 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	58 U	58 U	3.6 U	3.6 U	27 U	26 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	6.3 U	6.3 U	3.6 U	3.6 U	3.4 U	3.3 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	6.6 U	6.6 U	6.3 U	6.3 U	3.6 U	3.6 U	2.5 U	2.4 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	3 U	3 U	1.8 U	1.8 U	2.3 U	2.2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	8.4 U	8.5 U	9 U	9.1 U	6.5 U	6.3 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	30 U	30 U	18 U	18 U	33 U	32 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	30 U	30 U	18 U	18 U	33 U	32 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	120.5	99.2	97.69	112.1	113.4	86.54	86.8	118.2	119.5	6 U	10.8 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				24. Former Jet Engine Test Cell (FJETC)										
Location ID:				JMW7913					JMW7916					
Sample ID:				LORNG_JMW7913_0	LORNG_JMW7913_0	LORNG_JMW7913_1	LORNG_JMW7913_0	LORNG_JMW7913_0	LORNG_JMW7916_0	LORNG_JMW7916_0	LORNG_JMW7916_0	LORNG_JMW7916_1	LORNG_JMW7916_0	LORNG_JMW7916_1
Sample Date:				9292022FD	5112023	0092023	5092024	9242024	5212022	9012022	5162023	0102023	5092024	0102024
Sample Depth (ft bgs):				15-25	15-25	15-25	15-25	15-25	3-13	3-13	3-13	3-13	3-13	3-13
Sample Type:				FD	N	N	N	N	N	N	N	N	N	N
Latitude:				46.96057002	46.96057002	46.96057002	46.96057002	46.96057002	46.96301461	46.96301461	46.96301461	46.96301461	46.96301461	46.96301461
Longitude:				-67.89352052	-67.89352052	-67.89352052	-67.89352052	-67.89352052	-67.89534732	-67.89534732	-67.89534732	-67.89534732	-67.89534732	-67.89534732
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.8 U	0.77 J	0.64 J	3.7 U	3.9 U	2.4 J	10.4	4.2 J	5.8 J	5.1 J	4.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	2.5 J	5.1	1.2 J	1.2 J	1.1 J	2.1 J
Perfluorohexanoic acid (PFHxA)	990	-	-	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	2.5 J	2.9 J	2	2.2	1.5 J	2.2 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	2.3 J	2.4 J	1.3 J	1.5 J	1.1 J	1.5 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.9 U	0.25 U	0.25 U	0.93 U	0.97 U	10.6	3.9	2.6	3.1	1.8 J	3 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	1 U	1.9 U	0.27 J	0.46 J	1.9 U	2.2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	1 U	1.9 U	1.9 U	1 U	1.9 U	1 U	1 U	1.9 U	2.2 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	1 U	1.9 U	0.5 U	0.5 U	1.9 U	2.2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	1 U	1.9 U	1.9 U	1 U	1.9 U	1 U	1 U	1.9 U	2.2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	1 U	1.9 U	1.9 U	1 U	1.9 U	1 U	1 U	1.9 U	2.2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	1 U	1.9 U	0.5 U	0.5 U	1.9 U	2.2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 U	0.44 U	0.23 J	1.9 U	1.9 U	1.3 J	1.5 J	0.91 J	0.97 J	0.7 J	0.86 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.9 U	0.47 U	0.47 U	3.7 U	3.9 U	1 U	1.9 U	0.5 J	0.48 J	3.7 U	4.4 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1.9 U	0.27 J	0.91 J	1.9 U	1.9 U	2.3 J	24.1	15	18	13.5	21.2
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	0.47 U	0.47 U	1.9 U	1.9 U	1 U	1.9 U	0.17 J	0.29 J	1.9 U	2.2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.9 U	0.47 U	0.47 U	1.9 U	1.9 U	4.7	12.6	6.7	11	5.4	5.9
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.94 U	1.9 U	1.9 U	1 U	1.9 U	0.94 U	0.94 U	1.9 U	2.2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.47 U	1.9 U	1.9 U	1 U	1.9 U	0.47 U	0.47 U	1.9 U	2.2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.7 U	3.9 U	NA	NA	1 U	1 U	3.7 U	4.4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.8 U	1.9 U	1.9 U	7.4 U	7.8 U	2 U	3.7 U	1.9 UJ	1.9 U	7.4 U	8.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.8 U	1.9 U	1.9 U	7.4 U	7.8 U	2 U	3.7 U	1.9 U	1.9 U	7.4 U	8.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.8 U	3.8 U	7.4 U	7.8 U	2 U	3.7 U	3.8 U	3.8 U	7.4 U	8.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	0.25 U	0.25 U	1.9 U	1.9 U	1 U	9.3 U	0.25 U	0.25 U	1.9 U	2.2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.8 UJ	1 U	1 U	3.7 U	3.9 U	2 UJ	0 R	1 U	1 U	3.7 U	4.4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.7 UJ	3.9 U	NA	NA	1 U	1 U	3.7 UJ	4.4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	1 U	1 U	3.7 U	3.9 U	2 U	3.7 U	1 U	1 U	3.7 U	4.4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	1 U	1 U	3.7 U	3.9 U	2 U	3.7 U	1 U	1 U	3.7 U	4.4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	19 U	19 U	NA	NA	2.5 U	2.5 U	19 U	22 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	19 U	19 U	NA	NA	5 U	5 U	19 U	22 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	1.9 U	1.9 U	NA	NA	4 U	4 U	1.9 U	2.2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.7 U	3.9 U	NA	NA	3.8 U	3.8 U	3.7 U	4.4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.9 U	1.9 U	NA	NA	2 U	2 U	1.9 U	2.2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	3.7 U	3.9 U	NA	NA	0.5 U	0.5 U	3.7 U	4.4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	3.7 U	3.9 U	NA	NA	60 U	60 U	3.7 U	4.4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	3.7 U	3.9 U	NA	NA	6.6 U	6.6 U	3.7 U	4.4 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.6 U	3.7 U	3.9 U	NA	NA	6.6 U	6.6 U	3.7 U	4.4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	1.9 U	1.9 U	NA	NA	3.1 U	3.1 U	1.9 U	2.2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	9.3 U	9.7 U	NA	NA	8.8 U	8.8 U	9.3 U	11 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	19 U	19 U	NA	NA	31 U	31 U	19 U	22 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	19 U	19 U	NA	NA	31 U	31 U	19 U	22 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	11.4 U	0.27	0.91	10.43 U	10.47 U	19.9	43	25.87	34.06	21.8	31.6

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				24. Former Jet Engine Test Cell (FJETC)										
Location ID:				MMW0531		MMW3402R					OW24001			
Sample ID:				LORNG_MMW0531_	LORNG_MMW0531_	LORNG-MMW3402R-	LORNG_MMW3402R	LORNG_MMW3402R	LORNG_MMW3402R	LORNG_MMW3402R	LORNG_OW24001_0	LORNG_OW24001_1	LORNG_OW24001_0	LORNG_OW24001_1
Sample Date:				06132024	10172024	MMW3402R-	05212022	05092023	10232023	05232024	9182022	0262022	6142023	0252023
Sample Depth (ft bgs):				6/13/2024	10/17/2024	10/22/2021	5/21/2022	5/9/2023	10/23/2023	5/23/2024	9/18/2022	10/26/2022	6/14/2023	10/25/2023
Sample Type:				32-32	32-40	4-14	4-14	4-14	4-14	4-14	28-38	28-38	28-38	28-38
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.96178668	46.96178668	46.96222991	46.96222991	46.96222991	46.96222991	46.96222991	46.9614087	46.9614087	46.9614087	46.9614087
				-67.89383412	-67.89383412	-67.89616501	-67.89616501	-67.89616501	-67.89616501	-67.89616501	-67.8972828	-67.8972828	-67.8972828	-67.8972828
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	7.4 J	8.8 J	2.06 U	13.8	7	3.7 J	21.9	8.4	8.4	8.1	6.5 J
Perfluoropentanoic acid (PFPeA)	-	-	-	14.9	14.3	2.06 U	4.9	2.6 J	1.9 J	2 U	21.3	18.7	18	14 J
Perfluorohexanoic acid (PFHxA)	990	-	-	10.4	10.2	2.06 U	4.7	4.1	3.2	6.5	8.9	10.6	8.9	7 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	8	8.2	2.41 J	3.4 J	3.9	1.7	4.1	5.5	7.9	5.2	3.3 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.7	5.7	2.97 J	4.6	6.5	3.2	9.9	3.4 J	4.2	2.6	1.8 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.2 J	1 J	2.06 U	1.3 J	1.8	0.99 J	1.9 J	1.9 U	1.8 U	0.2 J	0.46 UJ
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	2.3 U	2.06 U	1 U	1 U	0.95 U	2 U	1.9 U	1.8 U	1 U	0.92 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	2.3 U	2.06 U	1 U	0.5 U	0.47 U	2 U	1.9 U	1.8 U	0.5 U	0.46 UJ
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	2.3 U	2.06 U	1 U	1 U	0.95 U	2 U	1.9 U	1.8 U	1 U	0.92 UJ
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	2.3 U	2.06 U	1 U	1 U	0.95 U	2 U	1.9 U	1.8 U	1 U	0.92 UJ
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	2.3 U	2.06 U	1 U	0.5 U	0.47 U	2 U	1.9 U	1.8 U	0.5 U	0.46 UJ
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1 J	1.7 J	2.06 U	2.9 J	1.1 J	0.6 J	1.3 J	0.96 J	1.1 J	0.73 J	0.57 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.9 U	4.7 U	2.06 U	1 U	0.25 J	0.31 J	3.9 U	1.9 U	0.92 J	0.66 J	0.35 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	11.8	11.1	4.9	9.1	11	7.8	23.1	6.8	12.5	8.2	5.2 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	2.3 U	2.06 U	1 U	0.29 J	0.45 U	0.87 J	1.9 U	1.8 U	0.47 U	0.43 UJ
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	12.4	11.7	3.71 J	8.2	11	8.4	14.8	6.5	9.9	5.9	3.5 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	2.3 U	2.06 U	1 U	0.94 U	0.89 U	2 U	1.9 U	1.8 U	0.94 U	0.86 UJ
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	2.3 U	2.06 U	1 U	0.47 U	0.45 U	2 U	1.9 U	1.8 U	0.47 U	0.43 UJ
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.9 U	4.7 U	NA	NA	1 U	0.95 U	3.9 U	NA	NA	1 U	0.92 UJ
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.8 U	9.3 U	2.06 U	2 U	1.9 UJ	1.8 U	78 U	3.7 U	3.6 U	1.9 U	1.7 UJ
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.8 U	9.3 U	2.06 U	2.2 J	1.1 J	1.8 U	78 U	3.7 U	3.6 U	1.9 U	1.7 UJ
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.8 U	9.3 U	2.06 U	2 U	3.8 U	3.6 U	7.8 U	3.7 U	3.6 U	3.8 U	3.5 UJ
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.88 J	2.3 U	4.55 J	5 U	0.25 U	0.16 J	2 U	1.9 U	1.8 U	0.65 U	0.23 UJ
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.9 U	4.7 U	0 R	10 U	1 U	0.95 U	3.9 U	0 R	18 UJ	1 U	0.92 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.9 U	4.7 U	NA	NA	1 U	0.95 U	3.9 U	NA	NA	1 U	0.92 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.9 U	4.7 U	2.06 U	2 U	1 U	0.95 U	3.9 U	3.7 U	3.6 U	1 U	0.92 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.9 U	4.7 U	2.06 U	2 U	1 UJ	0.95 U	3.9 U	3.7 U	3.6 U	1 U	0.92 UJ
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	23 U	NA	NA	2.5 U	2.4 U	20 U	NA	NA	2.5 U	2.3 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	23 U	NA	NA	5 U	4.7 U	20 U	NA	NA	5 U	4.6 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	2.3 U	NA	NA	4 U	3.8 U	2 U	NA	NA	4 U	3.7 UJ
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.9 U	4.7 U	NA	NA	3.8 U	3.6 U	3.9 U	NA	NA	3.8 U	3.5 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2.3 U	NA	NA	2 U	1.9 U	2 U	NA	NA	2 U	1.8 UJ
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.9 U	4.7 U	NA	NA	0.5 U	0.47 U	3.9 U	NA	NA	0.5 U	0.46 UJ
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.9 U	4.7 U	NA	NA	60 U	57 U	3.9 U	NA	NA	60 U	55 UJ
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.9 U	4.7 U	NA	NA	6.6 U	6.3 U	3.9 U	NA	NA	6.6 U	6.1 UJ
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.9 U	4.7 U	NA	NA	6.6 U	6.3 U	3.9 U	NA	NA	6.6 U	6.1 UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	2.3 U	NA	NA	3.1 U	2.9 U	2 U	NA	NA	3.1 U	2.9 UJ
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.8 U	12 U	NA	NA	8.8 U	8.3 UJ	9.8 U	NA	NA	8.8 U	8.1 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	23 U	NA	NA	31 U	29 U	20 U	NA	NA	31 U	29 UJ
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	23 U	NA	NA	31 U	29 U	20 U	NA	NA	31 U	29 UJ
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	39.1	37.7	13.99	26.6	34.2	22.09	53.8	22.2	34.5	22.1	13.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3										
Area:				24. Former Jet Engine Test Cell (FJETC)										
Location ID:				OW24001										
Sample ID:				GC_BW001										
Sample Date:				LORNG_OW24001_0	LORNG_OW24001_1	LORNG_GC_BW001_	LORNG_GC_BW001_	LORNG_GC_BW001_	LORNG_GC_BW001_	LORNG_GC_BW001_	LORNG_GC_BW001_	LORNG_GC_BW002D	GC_BW002D	LORNG_GC_BW002D
Sample Date:				5152024	0102024	08182022	10022022	06082023	10112023	05062024	09262024	09282022	10252022	06152023
Sample Depth (ft bgs):				28-38	28-38	105-115	105-115	105-115	105-115	105-115	105-115	185-195	185-195	185-195
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9614087	46.9614087	46.9489548	46.9489548	46.9489548	46.9489548	46.9489548	46.9489548	46.9435394	46.9435394	46.9435394
Longitude:				-67.8972828	-67.8972828	-67.9182259	-67.9182259	-67.9182259	-67.9182259	-67.9182259	-67.9182259	-67.9185035	-67.9185035	-67.9185035
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	5.7 J	6.8 J	5.7 J	5.1 J	2 U	1.8 UJ	3.6 U	3.7 U	3.7 U	3.7 UJ	2 U
Perfluoropentanoic acid (PFPeA)	-	-	-	12	14.3	2.3 J	1.8 U	0.5 U	0.45 UJ	1.8 U	1.9 U	1.9 U	10.8 J	0.5 U
Perfluorohexanoic acid (PFHxA)	990	-	-	6	7.4	1.9 U	1.8 U	0.44 J	0.23 J	1.8 U	1.9 U	1.9 U	1.9 UJ	0.74 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	3.1 J	3.6 J	1.9 U	1.8 U	0.16 J	0.15 J	1.8 U	1.9 U	1.9 U	1.9 UJ	0.5 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.7 J	2.2 J	1.9 U	1.8 U	0.43 J	0.23 UJ	0.91 U	0.93 U	1.9 U	1.9 UJ	0.25 U
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	1.9 U	1.9 U	1.8 U	0.26 J	0.45 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1.9 U	1.9 U	1.8 U	1 U	0.9 UJ	1.8 U	1.9 U	1.9 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	1.9 U	9.3 UJ	1.8 U	0.5 U	0.45 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1.9 U	9.3 UJ	9.1 U	1 U	0.9 UJ	1.8 U	1.9 U	1.9 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1.9 U	9.3 UJ	9.1 U	1 U	0.9 UJ	1.8 U	1.9 U	1.9 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	1.9 U	9.3 UJ	9.1 U	0.5 U	0.45 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.52 J	0.64 J	1.9 U	1.8 U	0.44 U	0.4 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.44 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.6 U	3.7 U	1.9 U	1.8 U	0.47 U	0.42 UJ	3.6 U	3.7 U	1.9 U	1.9 U	0.47 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	5.1	5.4	1.9 U	1.8 U	0.47 U	0.42 UJ	1.8 U	1.9 U	1.9 U	1.9 UJ	0.47 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	0.47 U	0.42 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	4.4	5	1.9 U	1.8 U	0.47 U	0.42 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.47 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	0.94 U	0.85 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	0.47 U	0.42 UJ	1.8 U	1.9 U	1.9 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	3.7 U	NA	NA	1 U	0.9 UJ	3.6 U	3.7 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	7.4 U	3.7 U	3.6 U	1.9 U	1.7 UJ	7.3 U	7.5 U	3.7 U	3.7 UJ	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.3 U	7.4 U	3.7 U	3.6 U	1.9 U	8.1 J	7.3 U	7.5 U	6.8 J	3.1 J	4.1 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.3 U	7.4 U	3.7 U	3.6 U	3.8 U	3.4 UJ	7.3 U	7.5 U	3.7 U	3.7 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	0.25 U	0.23 UJ	1.8 U	1.9 U	9.3 U	1.9 UJ	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	3.7 U	0 R	18 UJ	1 U	0.9 UJ	3.6 U	3.7 U	3.7 UJ	0 R	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 UJ	3.7 U	NA	NA	1 U	0.9 UJ	3.6 UJ	3.7 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	3.7 U	3.7 U	3.6 U	1 U	0.9 UJ	3.6 U	3.7 U	3.7 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	3.7 U	19 U	3.6 U	1 U	0.9 UJ	3.6 U	3.7 U	3.7 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	19 U	NA	NA	2.5 U	2.3 UJ	18 U	19 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	19 U	NA	NA	5 U	4.5 UJ	18 U	19 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	1.9 U	NA	NA	4 U	3.6 UJ	1.8 U	1.9 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	3.7 U	NA	NA	3.8 U	3.4 UJ	3.6 U	3.7 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	1.9 U	NA	NA	2 U	1.8 UJ	1.8 U	1.9 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	3.7 U	NA	NA	0.5 U	0.45 UJ	3.6 U	3.7 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	3.7 U	NA	NA	60 U	54 UJ	3.6 U	3.7 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	3.7 U	NA	NA	6.6 U	5.9 UJ	3.6 U	3.7 U	NA	NA	6.6 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	3.7 U	NA	NA	6.6 U	5.9 UJ	3.6 U	3.7 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	1.9 U	NA	NA	3.1 U	2.8 UJ	1.8 U	1.9 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	9.3 U	NA	NA	8.8 U	7.9 UJ	9.1 U	9.3 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	19 U	NA	NA	31 U	28 UJ	18 U	19 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	19 U	NA	NA	31 U	28 UJ	18 U	19 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	14.3	16.2	11.4 U	10.8 U	0.85	0.15	9.91 U	10.43 U	11.4 U	11.4 U	3.19 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				3														
Area:				Greenlaw Brook Drainage														
Location ID:				GC_BW002D			GC_BW002S							BW05006				
Sample ID:				LORNG_GC_BW002D	LORNG_GC_BW002D	LORNG_GC_BW002D	LORNG_GC_BW002S	LORNG_GC_BW002S	LORNG_GC_BW002S	LORNG_GC_BW002S	LORNG_GC_BW002S	LORNG_GC_BW002S	LORNG_GC_BW002S	LORNG_GC_BW002S	LORNG_GC_BW002S	LORNG_GC_BW002S	LORNG_BW05006_0	LORNG_BW05006_0
Sample Date:				11082023	05152024	10092024	09282022	10252022	06082023	10102023	05082024	09262024	5212022	9012022				
Sample Date:				11/8/2023	5/15/2024	10/9/2024	9/28/2022	10/25/2022	6/8/2023	10/10/2023	5/8/2024	9/26/2024	5/21/2022	9/1/2022				
Sample Depth (ft bgs):				185-195	185-195	185-195	132-142	132-142	132-142	132-142	132-142	132-142	59-69	59-69				
Sample Type:				N	N	N	N	N	N	N	N	N	N	N				
Latitude:				46.9435394	46.9435394	46.9435394	46.943538	46.943538	46.943538	46.943538	46.943538	46.943538	46.93402876	46.93402876				
Longitude:				-67.9185035	-67.9185035	-67.9185035	-67.9185019	-67.9185019	-67.9185019	-67.9185019	-67.9185019	-67.9185019	-67.90762911	-67.90762911				
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L				
Perfluorobutanoic acid (PFBA)	1800	-	-	1.9 U	3.7 U	3.5 U	4.8 U	3.6 UJ	2 U	2 U	3.6 U	3.7 U	1.9 U	4 U				
Perfluoropentanoic acid (PFPeA)	-	-	-	0.46 U	1.9 U	1.8 U	2.4 U	14.8 J	0.5 U	0.5 U	1.8 U	1.8 U	1.5 J	2 U				
Perfluorohexanoic acid (PFHxA)	990	-	-	1.2 J	1.9 U	0.54 J	2.4 U	1.8 UJ	0.5 U	0.18 J	1.8 U	1.8 U	1.2 J	2 U				
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.46 U	1.9 U	0.88 U	2.4 U	1.8 UJ	0.5 U	0.5 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.23 U	0.93 U	0.88 U	2.4 U	1.8 UJ	0.25 U	0.25 U	0.9 U	0.92 U	1.6 J	1.5 J				
Perfluorononanoic acid (PFNA)	5.9	10	-	0.46 U	1.9 U	0.64 U	2.4 U	1.8 UJ	0.5 U	0.5 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.93 U	1.9 U	0.88 U	2.4 U	1.8 U	1 U	1 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.46 U	1.9 U	1.3 U	2.4 U	1.8 U	0.5 U	0.5 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluorododecanoic acid (PFDoA)	-	-	-	0.93 U	1.9 U	0.88 U	2.4 U	1.8 UJ	1 U	1 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.93 U	1.9 U	1.3 U	2.4 U	1.8 UJ	1 U	1 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.46 U	1.9 U	0.88 U	2.4 U	1.8 UJ	0.5 U	0.5 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.41 U	1.9 U	0.56 U	2.4 U	1.8 U	0.44 U	0.44 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.44 U	3.7 U	0.6 U	2.4 U	1.8 U	0.47 U	0.47 U	3.6 U	3.7 U	0.93 U	2 U				
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.44 U	1.9 U	0.83 U	2.4 U	1.8 UJ	0.47 U	0.47 U	1.8 U	1.8 U	2.4 J	2.6 J				
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.44 U	1.9 U	0.6 U	2.4 U	1.8 U	0.47 U	0.47 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.44 U	1.9 U	1.2 U	2.4 U	1.8 U	0.47 U	0.47 U	1.8 U	1.8 U	3.9	2.6 J				
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.87 U	1.9 U	1.2 U	2.4 U	1.8 U	0.94 U	0.94 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.44 U	1.9 U	1.2 U	2.4 U	1.8 U	0.47 U	0.47 U	1.8 U	1.8 U	0.93 U	2 U				
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.93 U	3.7 U	0.88 U	NA	NA	1 U	1 U	3.6 U	3.7 U	NA	NA				
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.8 U	74 U	3.3 U	4.8 U	3.6 UJ	1.9 UJ	1.9 U	7.2 U	7.3 U	1.9 U	4 U				
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2.6 J	74 U	2.3 J	4.8 U	3.6 UJ	1.9 UJ	1.9 U	7.2 U	7.3 U	1.9 U	4 U				
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.5 U	7.4 U	4.9 U	4.8 U	3.6 U	3.8 UJ	3.8 U	7.2 U	7.3 U	1.9 U	4 U				
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.23 U	1.9 U	0.24 J	2.4 U	8.9 UJ	0.25 U	0.25 U	1.8 U	1.8 U	0.93 U	2 U				
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	3.7 U	1.3 U	0 R	0 R	1 U	1 U	3.6 U	3.7 U	1.9 U	20 UJ				
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	3.7 UJ	1.3 U	NA	NA	1 U	1 U	3.6 U	3.7 U	NA	NA				
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	0.93 U	3.7 U	1.3 U	4.8 U	3.6 U	1 U	1 U	3.6 U	3.7 U	1.9 U	4 U				
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.93 U	3.7 U	0.88 U	4.8 U	3.6 U	1 U	1 U	3.6 U	3.7 U	1.9 U	4 U				
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.3 U	19 U	8.8 U	NA	NA	2.5 U	2.5 U	18 U	18 U	NA	NA				
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	2.8 J	19 U	8.8 U	NA	NA	5 U	5 U	18 U	18 U	NA	NA				
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.7 U	1.9 U	3.5 U	NA	NA	4 U	4 U	1.8 U	1.8 U	NA	NA				
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.5 U	3.7 U	3.3 U	NA	NA	3.8 U	3.8 U	3.6 U	3.7 U	NA	NA				
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.9 U	3 U	NA	NA	2 U	2 U	1.8 U	1.8 U	NA	NA				
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.46 U	3.7 U	1.3 U	NA	NA	0.5 U	0.5 U	3.6 U	3.7 U	NA	NA				
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	56 U	3.7 U	26 U	NA	NA	60 U	60 U	3.6 U	3.7 U	NA	NA				
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.1 U	3.7 U	3.3 U	NA	NA	6.6 U	6.6 U	3.6 U	3.7 U	NA	NA				
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.1 U	3.7 U	2.4 U	NA	NA	6.6 U	6.6 U	3.6 U	3.7 U	NA	NA				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.9 U	1.9 U	2.2 U	NA	NA	3.1 U	3.1 U	1.8 U	1.8 U	NA	NA				
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.2 U	9.3 U	6.4 U	NA	NA	8.8 U	8.8 U	9 U	9.2 U	NA	NA				
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	29 U	19 U	32 U	NA	NA	31 U	31 U	18 U	18 U	NA	NA				
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	29 U	19 U	32 U	NA	NA	31 U	31 U	18 U	18 U	NA	NA				
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	2.96 U	10.43 U	5.31 U	14.4 U	10.8 U	3.19 U	3.19 U	9.9 U	9.92 U	7.9	6.7				

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				05. Structural Fire Station										
Location ID:				BW05006				BW05007						
Sample ID:				LORNG_BW05006_0	LORNG_BW05006_1	LORNG_BW05006_0	LORNG_BW05006_0	LORNG_BW05007_0	LORNG_BW05007_0	LORNG_BW05007_0	LORNG_BW05007_0	LORNG_BW05007_1	LORNG_BW05007_0	LORNG_BW05007_1
Sample Date:				5082023	0122023	5022024	9232024	5232022	5232022FD	9072022	6062023	1022023	6102024	0092024
Sample Depth (ft bgs):				5/8/2023	10/12/2023	5/2/2024	9/23/2024	5/23/2022	5/23/2022	9/7/2022	6/6/2023	11/2/2023	6/10/2024	10/9/2024
Sample Type:				59-69	59-69	59-69	59-69	74-84	74-84	74-84	74-84	74-84	74-84	74-84
Latitude:				N	N	N	N	N	FD	N	N	N	N	N
Longitude:				46.93402876	46.93402876	46.93402876	46.93402876	46.93369971	46.93369971	46.93369971	46.93369971	46.93369971	46.93369971	46.93369971
				-67.90762911	-67.90762911	-67.90762911	-67.90762911	-67.90689094	-67.90689094	-67.90689094	-67.90689094	-67.90689094	-67.90689094	-67.90689094
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	1.2 J	0.67 J	3.7 U	4 U	67.3	71.7	56.5	67	57	44.3	70
Perfluoropentanoic acid (PFPeA)	-	-	-	1.1 J	0.68 J	1.9 U	2 U	239	263	184	230	180	139	220
Perfluorohexanoic acid (PFHxA)	990	-	-	0.94 J	0.48 J	1.9 U	0.62 J	150	162	122	140	100	82.8	140
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.52 J	0.3 J	1.9 U	2 U	114	123	98.1	99	73	54.1	110
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.3 J	0.83 J	1 J	0.82 J	100	110	75.6	78	52	38.2	86
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	0.5 U	1.9 U	2 U	21.8	25.5	13.2	19	11	7.3	17
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1 U	1.9 U	2 U	0.93 U	1 J	1.9 U	0.62 J	0.49 J	1.9 U	0.35 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.5 U	1.9 U	2 U	0.93 U	0.93 U	1.9 U	0.5 U	0.48 U	1.9 U	1.2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	1.9 U	2 U	0.93 U	0.93 U	1.9 U	1 U	0.97 U	1.9 U	0.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	1.9 U	2 U	0.93 U	0.93 U	1.9 U	1 U	0.97 U	1.9 U	1.2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.5 U	1.9 U	2 U	0.93 U	0.93 U	9.3 U	0.5 U	0.48 U	1.9 U	0.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.35 J	0.24 J	1.9 U	2 U	38.4	41.2	28.5	34	23	19.3	34
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.22 J	0.47 U	3.7 U	4 U	54.5	59.1	38.5	47	29	24.7	48
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2.3	1.9	1.8 J	1.9 J	422	381	326	340	250	185	370
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	0.47 U	1.9 U	2 U	26.3	30.6	18.7	23	9.5	7.6	19
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2.4	1.7	1.7 J	25.9	1640	2050	1120	1100	730	411	1300
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.94 U	1.9 U	2 U	0.93 U	0.93 U	1.9 U	0.94 U	0.91 U	0.79 J	1.1 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.47 U	1.9 U	2 U	0.93 U	0.93 U	1.9 U	0.47 U	0.46 U	1.9 U	1.1 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	3.7 U	4 U	NA	NA	NA	1 U	0.97 U	3.8 U	0.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.9 U	7.4 U	7.9 U	1.9 U	1.9 U	3.7 U	1.9 U	1.8 U	7.5 U	3 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.9 U	7.4 U	7.9 U	160	177	78.5	110	48	28.4	74
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.8 U	7.4 U	7.9 U	23.1	33.8	14.4	16	7.8	7.5 U	7.8
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.25 U	1.9 U	2 U	2.3 J	4.2	1.7 J	2.1	0.95 J	0.84 J	2.5
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	3.7 U	4 U	1.9 U	1.9 U	19 UJ	1 U	0.97 U	3.8 U	1.2 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	3.7 UJ	4 U	NA	NA	NA	1 U	0.97 U	3.8 U	1.2 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	3.7 U	4 U	1.9 U	1.9 U	3.7 U	1 U	0.97 U	3.8 U	1.2 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1 U	3.7 U	4 U	1.9 U	1.9 U	3.7 U	1 U	0.97 U	3.8 U	0.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.5 U	19 U	20 U	NA	NA	NA	2.5 UJ	2.4 U	19 U	8 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5 U	19 U	20 U	NA	NA	NA	5 U	4.8 U	19 U	8 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4 U	1.9 U	2 U	NA	NA	NA	4 U	3.9 U	1.9 U	3.2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	3.7 U	4 U	NA	NA	NA	3.8 U	3.7 U	3.8 U	3 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	1.9 U	2 U	NA	NA	NA	2 U	1.9 U	1.9 U	2.7 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.5 U	3.7 U	4 U	NA	NA	NA	0.5 U	0.48 U	3.8 U	1.2 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	60 U	3.7 U	4 U	NA	NA	NA	60 U	58 U	3.8 U	24 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.6 U	3.7 U	4 U	NA	NA	NA	6.6 U	6.4 U	3.8 U	3 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.6 U	3.7 U	4 U	NA	NA	NA	6.6 U	6.4 U	3.8 U	2.2 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.1 U	1.9 U	2 U	NA	NA	NA	3.1 U	3 U	1.9 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.8 U	9.3 U	9.9 U	NA	NA	NA	8.8 U	8.5 U	9.4 U	5.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	31 U	19 U	20 U	NA	NA	NA	31 U	30 U	19 U	29 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	31 U	19 U	20 U	NA	NA	NA	31 U	30 U	19 U	29 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	6.52	4.73	4.5	28.62	2297.8	2690.5	1632.9	1636.62	1116.49	695.6	1883.35

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				05. Structural Fire Station										
Location ID:				BW05008						BW05009				
Sample ID:				LORNG_BW05008_0	LORNG_BW05008_1	LORNG_BW05008_0	LORNG_BW05008_1	LORNG_BW05008_0	LORNG_BW05008_1	LORNG_BW05009_0	LORNG_BW05009_1	LORNG_BW05009_0	LORNG_BW05009_1	LORNG_BW05009_0
Sample Date:				8062022	0022022	5182023	0062023	5142024	9242024	8062022	0022022	6072023	1012023	6062024
Sample Depth (ft bgs):				75-85	75-85	75-85	75-85	75-85	75-85	74-84	74-84	74-84	74-84	74-84
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9345712	46.9345712	46.9345712	46.9345712	46.9345712	46.9345712	46.9333816	46.9333816	46.9333816	46.9333816	46.9333816
Longitude:				-67.9059133	-67.9059133	-67.9059133	-67.9059133	-67.9059133	-67.9059133	-67.9061906	-67.9061906	-67.9061906	-67.9061906	-67.9061906
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	21 UJ	4.1 J	2.4 J	2.5 J	3.8 J	2.6 J	155	160	120	150	148
Perfluoropentanoic acid (PFPeA)	-	-	-	8	7.5	4.2	4.4	5.9 J	4.5 J	515	579	470	430 J	552
Perfluorohexanoic acid (PFHxA)	990	-	-	4 J	3.8	2	2.2	2.9 J	2.3 J	388	361	290	270	356
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.3 J	1.9 J	0.94 J	1.2 J	1.5 J	1.1 J	214	191	150	160	203
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.3 J	1.8 J	0.94 J	0.99 J	1.2 J	1 J	287	236	170	160	226
Perfluorononanoic acid (PFNA)	5.9	10	-	2.1 U	1.8 U	0.5 U	0.2 J	1.8 U	2 U	51.5	44.9	32	31	51.1
Perfluorodecanoic acid (PFDA)	0.004	-	-	2.1 U	1.8 U	1 U	1 U	1.8 U	2 U	2.3 J	1.6 J	0.99 J	0.96 J	1.3 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	2.1 U	1.8 U	0.5 U	0.5 U	1.8 U	2 U	2 UJ	1.8 U	0.5 U	0.52 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2.1 U	1.8 U	1 U	1 U	1.8 U	2 U	2 UJ	1.8 U	1 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2.1 U	1.8 U	1 U	1 U	1.8 U	2 U	2 UJ	1.8 U	1 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2.1 U	1.8 U	0.5 U	0.5 U	1.8 U	2 U	2 UJ	1.8 U	0.5 U	0.52 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 J	4.1	0.71 J	0.66 J	1.1 J	0.8 J	114	101	75	84 J	93.6
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.3 J	1.2 J	0.51 J	0.64 J	3.6 U	3.9 U	168	121	100	98	145
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	6.4	4.9	2.9	4.3	4.3	4	1300	980	810	730	1080
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2.1 U	1.8 U	0.47 U	0.47 U	1.8 U	2 U	94.6	67.1	44	51	77.3
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	3.7 J	2.5 J	1.7	2.8	1.8 J	1.7 J	2800	2550	1700	1200	2450
Perfluorononanesulfonic acid (PFNS)	-	-	-	2.1 U	1.8 U	0.94 U	0.94 U	1.8 U	2 U	5	1.8 U	0.45 J	0.37 J	3.7 J
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2.1 U	1.8 U	0.47 U	0.47 U	1.8 U	2 U	2 UJ	1.8 U	0.47 U	0.49 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	3.6 U	3.9 U	NA	NA	1 U	1 U	3.9 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4.3 U	3.6 U	1.9 U	1.9 U	7.3 U	7.8 U	4 U	3.6 U	0.68 J	1.7 U	7.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4.3 U	3.6 U	1.9 U	1.9 U	7.3 U	7.8 U	545	484	460	380	633
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4.3 U	3.6 U	3.8 U	3.8 U	7.3 U	7.8 U	108	89.8	68	57	79.7
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2.1 UJ	1.8 U	0.25 J	0.25 U	1.8 U	2 U	21.3 J	18.5	13	11	12.2
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0 R	18 U	1 U	1 U	3.6 U	3.9 U	0 R	36 UJ	1 U	1 U	3.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	3.6 UJ	3.9 U	NA	NA	1 U	0.92 U	3.9 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4.3 U	3.6 U	1 U	1 U	3.6 U	3.9 U	4 UJ	3.6 U	1 U	1 U	3.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4.3 U	3.6 U	1 U	1 U	3.6 U	3.9 U	4 UJ	3.6 U	1 U	0.92 U	3.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	18 U	20 U	NA	NA	2.5 U	2.6 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	18 U	20 U	NA	NA	5 U	5.2 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	1.8 U	2 U	NA	NA	4 U	4.1 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.6 U	3.9 U	NA	NA	3.8 U	3.9 U	3.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	1.8 U	2 U	NA	NA	2 U	1.8 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	3.6 U	3.9 U	NA	NA	0.5 U	0.52 U	3.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	3.6 U	3.9 U	NA	NA	60 U	62 U	3.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	3.6 U	3.9 U	NA	NA	6.6 U	6.8 U	3.9 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6.6 U	3.6 U	3.9 U	NA	NA	6.6 U	6.8 U	3.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	1.8 U	2 U	NA	NA	3.1 U	3.2 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	9.1 U	9.8 U	NA	NA	8.8 U	9.1 U	9.7 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	18 U	20 U	NA	NA	31 U	32 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	18 U	20 U	NA	NA	31 U	32 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	14.7	11.1	6.48	9.49	8.8	7.8	4654.8	4003.5	2862.99	2281.96	4011.4

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				05. Structural Fire Station										
Location ID:				BW05009	BW05010							BW05011D		
Sample ID:				LORNG_BW05009_1	LORNG_BW05010_0	LORNG_BW05010_1	LORNG_BW05010_0	LORNG_BW05010_1	LORNG_BW05010_0	LORNG_BW05010_1	LORNG_BW05010_0	LORNG_BW05011D_	LORNG_BW05011D_	LORNG_BW05011D_
Sample Date:				0102024	8062022	0022022	5112023	0122023	5072024	9242024	09292022	10262022	06072023	11032023
Sample Depth (ft bgs):				74-84	80-90	80-90	80-90	80-90	80-90	80-90	264-279	264-279	264-279	264-279
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9333816	46.9318801	46.9318801	46.9318801	46.9318801	46.9318801	46.9318801	46.9252601	46.9252601	46.9252601	46.9252601
Longitude:				-67.9061906	-67.9092851	-67.9092851	-67.9092851	-67.9092851	-67.9092851	-67.9092851	-67.9143934	-67.9143934	-67.9143934	-67.9143934
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	122	4 J	5 J	1.6 J	2 U	2.9 J	3.9 U	4 U	3.6 UJ	2 U	1.9 U
Perfluoropentanoic acid (PFPeA)	-	-	-	486	1 J	1 J	0.99 J	0.43 J	2 U	1.9 U	12	2.7 J	0.5 U	0.48 U
Perfluorohexanoic acid (PFHxA)	990	-	-	329	1.2 J	1.2 J	1.5 J	0.5 J	0.77 J	1.9 U	2 U	1.8 U	0.15 J	0.48 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	183	2 U	1.9 U	0.47 J	0.28 J	2 U	1.9 U	2 U	1.8 U	0.5 U	0.48 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	199	1.2 J	0.96 J	0.52 J	0.78 J	0.85 J	0.53 J	2 U	1.8 U	0.25 U	0.24 U
Perfluorononanoic acid (PFNA)	5.9	10	-	48.3	2 U	1.9 U	0.5 U	0.5 U	2 U	1.9 U	2 U	1.8 U	0.5 U	0.48 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.6 J	2 U	1.9 U	1 U	1 U	2 U	1.9 U	2 U	1.8 U	1 U	0.97 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	2 U	1.9 U	0.5 U	0.5 U	2 U	1.9 U	2 U	1.8 U	0.5 U	0.48 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	2 U	1.9 U	1 U	1 U	2 U	1.9 U	2 U	1.8 UJ	1 U	0.97 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	2 U	1.9 U	1 U	1 U	2 U	1.9 U	2 U	1.8 UJ	1 U	0.97 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	2 UJ	1.9 U	0.5 U	0.5 U	2 U	1.9 U	2 U	1.8 UJ	0.5 U	0.48 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	91.2	2 U	1.9 U	0.79 J	0.68 J	1.1 J	0.66 J	2 U	1.8 U	0.44 U	0.43 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	112	2 U	1.9 U	0.45 J	0.52 J	4 U	3.9 U	2 U	1.8 U	0.47 U	0.46 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	931	4.4	3.5 J	2.6	3.3	3.9 J	2.5 J	2 U	1.8 U	0.47 U	0.46 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	71.9	2 U	1.9 U	0.47 U	0.47 U	2 U	1.9 U	2 U	1.8 U	0.47 U	0.46 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2220	4.3	3.5 J	2.3	3.7	3.5 J	2.3 J	2 U	1.8 U	0.47 U	0.46 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	2 U	1.9 U	0.94 U	0.94 U	2 U	1.9 U	2 U	1.8 U	0.94 U	0.91 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	2 U	1.9 U	0.47 U	0.47 U	2 U	1.9 U	2 U	1.8 U	0.47 U	0.46 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4.1 U	NA	NA	1 U	1 U	4 U	3.9 U	NA	NA	1 U	0.97 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	8.2 U	4 U	3.7 U	1.9 U	1.9 U	8 U	7.8 U	4 U	3.6 UJ	1.9 U	1.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	504	4.3 J	3 J	2.3 J	1.9 U	8 U	7.3 J	102	16.3	28 J+	1.6 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	75.9	4 U	3.7 U	3.8 U	3.8 U	8 U	7.8 U	4 U	3.6 U	3.8 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	10.7	2 U	1.9 U	0.25 U	0.25 U	2 U	1.9 U	10 U	1.8 U	0.25 U	0.24 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4.1 U	4 UJ	19 UJ	1 U	1 U	4 U	3.9 U	0 R	18 UJ	1 U	0.97 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4.1 U	NA	NA	1 U	1 U	4 UJ	3.9 U	NA	NA	1 U	0.97 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4.1 U	4.3 U	3.7 U	1 U	1 U	4 U	3.9 U	4 U	3.6 U	1 U	0.97 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4.1 U	4.3 U	3.7 U	1 U	1 U	4 U	3.9 U	4 U	3.6 U	1 U	0.97 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	NA	NA	2.5 U	2.5 U	20 U	19 U	NA	NA	2.5 U	2.4 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	NA	NA	5 U	5 U	20 U	19 U	NA	NA	5 U	4.8 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	NA	NA	4 U	4 U	2 U	1.9 U	NA	NA	4 U	3.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4.1 U	NA	NA	3.8 U	3.8 U	4 U	3.9 U	NA	NA	3.8 U	3.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	NA	NA	2 U	2 U	2 U	1.9 U	NA	NA	2 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4.1 U	NA	NA	0.5 U	0.5 U	4 U	3.9 U	NA	NA	0.5 U	0.48 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4.1 U	NA	NA	60 U	60 U	4 U	3.9 U	NA	NA	60 U	58 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4.1 U	NA	NA	6.6 U	6.6 U	4 U	3.9 U	NA	NA	6.6 U	6.4 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4.1 U	NA	NA	6.6 U	6.6 U	4 U	3.9 U	NA	NA	6.6 U	6.4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	NA	NA	3.1 U	3.1 U	2 U	1.9 U	NA	NA	3.1 U	3 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	10 U	NA	NA	8.8 U	8.8 U	10 U	9.7 U	NA	NA	8.8 U	8.5 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	NA	NA	31 U	31 U	20 U	19 U	NA	NA	31 U	30 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	NA	NA	31 U	31 U	20 U	19 U	NA	NA	31 U	30 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	3582.9	9.9	7.96	5.89	8.06	8.25	5.33	12 U	10.8 U	3.19 U	3.09 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				05. Structural Fire Station										
Location ID:				BW05011D			BW05011S					BW05012D	BW05012I	BW05012S
Sample ID:				LORNG_BW05011D_	LORNG_BW05011D_	LORNG_BW05011S_	LORNG_BW05011S_	LORNG_BW05011S_	LORNG_BW05011S_	LORNG_BW05011S_	LORNG_BW05011S_	LORNG_BW05012D_	LORNG_BW05012I_1	LORNG_BW05012S_
Sample Date:				05142024	11042024	09292022	10262022	06072023	11032023	05152024	10092024	10142024	0142024	10142024
Sample Depth (ft bgs):				5/14/2024	11/4/2024	9/29/2022	10/26/2022	6/7/2023	11/3/2023	5/15/2024	10/9/2024	10/14/2024	10/14/2024	10/14/2024
Sample Type:				264-279	264-279	205-217	205-217	205-217	205-217	205-217	205-217	225-240	110-130	50-60
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.9252601	46.9252601	46.9252615	46.9252615	46.9252615	46.9252615	46.9252615	46.9252615	46.92856689	46.92856692	46.92858259
Analyte				-67.9143934	-67.9143934	-67.9143954	-67.9143954	-67.9143954	-67.9143954	-67.9143954	-67.9143954	-67.92045287	-67.92045379	-67.92045054
	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.9 U	3.8 U	4 U	3.6 UJ	0.82 J	2 U	3.7 U	3.3 U	33 UJ	33 UJ	3.5 J
Perfluoropentanoic acid (PFPeA)	-	-	-	2 U	1.9 U	40	15.5 J	0.45 J	0.5 U	1.9 U	1.7 U	17 UJ	17 UJ	3.4 J
Perfluorohexanoic acid (PFHxA)	990	-	-	2 U	1.9 U	2 U	1.8 UJ	2.6	1.1 J	0.48 J	1 J	2 UJ	20 UJ	2.5 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	2 U	1.9 U	2 U	1.8 UJ	0.66 J	0.24 J	1.9 U	0.83 U	2 U	2 U	1.7 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.98 U	0.95 U	1.2 J	1.8 UJ	0.7 J	0.25 U	0.93 U	0.83 U	1 U	1 U	3.2 J
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	1.9 U	2 U	1.8 U	0.5 U	0.5 U	1.9 U	0.6 U	2 U	2 U	0.96 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1.9 U	2 U	1.8 U	1 U	1 U	1.9 U	0.83 U	2 UJ	2 UJ	2 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	1.9 U	2 U	1.8 U	0.5 U	0.5 U	1.9 U	1.2 U	2 U	2 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	1.9 U	2 U	1.8 UJ	1 U	1 U	1.9 U	0.83 U	2 U	2 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	1.9 U	2 U	1.8 UJ	1 U	1 U	1.9 U	1.2 U	2 U	2 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	1.9 U	2 U	1.8 UJ	0.5 U	0.5 U	1.9 U	0.83 U	2 U	2 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 U	1.9 U	2 U	1.8 U	0.23 J	0.44 U	1.9 U	0.53 U	2 U	20 UJ	1.7 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.9 U	3.8 U	2 U	1.8 U	0.47 U	0.47 U	3.7 U	0.56 U	4 U	4.1 U	2.2 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2 U	1.9 U	4.8	3.1 J	1.9	0.47 U	0.7 J	0.67 J	0.85 J	1.1 J	16.2
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	1.9 U	2 U	1.8 U	0.47 U	0.47 U	1.9 U	0.56 U	2 U	2 U	1 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2 U	1.9 U	21	14.8	5.2	0.47 U	2 J	2.4	1.5 J	2.1 J	53
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	1.9 U	2 U	1.8 U	0.94 U	0.94 U	1.9 U	1.1 U	2 U	2 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	1.9 U	2 U	1.8 U	0.47 U	0.47 U	1.9 U	1.1 U	2 U	2 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.9 U	3.8 U	NA	NA	1 U	1 U	3.7 U	0.83 U	4 U	4.1 U	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.8 U	7.6 U	4 U	3.6 UJ	1.9 U	1.9 U	7.4 U	3.1 U	8 U	8.2 U	7.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.8 U	7.6 U	4.9 J	3.6 U	54	3.8 J	3.3 J	7.8	8 U	8.2 U	7.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.8 U	7.6 U	4 U	3.6 U	3.8 U	3.8 U	7.4 U	4.6 U	8 U	8.2 U	7.9 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	1.9 U	10 U	1.8 UJ	0.25 U	0.25 U	1.9 U	0.27 J	2 U	2 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.9 U	3.8 U	20 U	0 R	1 U	1 U	3.7 U	1.2 U	4 U	4.1 U	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.9 UJ	3.8 U	NA	NA	1 U	1 U	3.7 UJ	1.3 U	4 U	4.1 U	4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.9 U	3.8 U	4 U	3.6 U	1 U	1 U	3.7 U	1.2 U	4 U	4.1 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.9 U	3.8 U	4 U	3.6 U	1 U	1 U	3.7 U	0.83 U	4 U	4.1 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	19 U	NA	NA	2.5 U	2.5 U	19 U	8.3 U	20 U	20 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	19 U	NA	NA	5 U	5 U	19 U	8.3 U	20 U	20 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	1.9 U	NA	NA	4 U	4 U	1.9 U	3.3 U	2 UJ	17 UJ	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.9 U	3.8 U	NA	NA	3.8 U	3.8 U	3.7 U	3.1 U	4 UJ	33 UJ	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.9 U	NA	NA	2 U	2 U	1.9 U	2.8 U	17 UJ	17 UJ	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.9 U	3.8 U	NA	NA	0.5 U	0.5 U	3.7 U	1.2 U	33 UJ	33 UJ	4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.9 U	3.8 U	NA	NA	60 U	60 U	3.7 U	24 U	4 UJ	41 UJ	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.9 U	3.8 U	NA	NA	6.6 U	6.6 U	3.7 U	3.1 U	4 UJ	33 UJ	4 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.9 U	3.8 U	NA	NA	6.6 U	6.6 U	3.7 U	2.3 U	4 UJ	33 UJ	4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	1.9 U	NA	NA	3.1 U	3.1 U	1.9 U	2.1 U	2 UJ	20 UJ	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.8 U	9.5 U	NA	NA	8.8 U	8.8 U	9.3 U	6 U	83 UJ	83 UJ	9.9 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	19 U	NA	NA	31 U	31 U	19 U	30 U	20 UJ	200 UJ	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	19 U	NA	NA	31 U	31 U	19 U	30 U	20 UJ	200 UJ	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	10.98 U	10.45 U	27	17.9	8.46	0.24	2.7	3.07	2.35	3.2	75.06

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				05. Structural Fire Station										
Location ID:				BW05013D	BW05013S	BW05014D	BW05014I	BW05014S	JBW7314					
Sample ID:				LORNG_BW05013D_10172024	LORNG_BW05013S_10172024	LORNG_BW05014D_10222024	LORNG_BW05014I_0222024	LORNG_BW05014S_10222024	LORNG_JBW7314_0_5232022	LORNG_JBW7314_0_9072022	LORNG_JBW7314_0_5242023	LORNG_JBW7314_1_0122023	LORNG_JBW7314_0_5072024	LORNG_JBW7314_1_0082024
Sample Date:				10/17/2024	10/17/2024	10/22/2024	10/22/2024	10/22/2024	5/23/2022	9/7/2022	5/24/2023	10/12/2023	5/7/2024	10/8/2024
Sample Depth (ft bgs):				204-214	70-80	330-340	290-300	100-110	19-122	19-122	19-122	19-122	19-122	19-122
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.93154659	46.93154618	46.93074499	46.93074553	46.93073354	46.9408175	46.9408175	46.9408175	46.9408175	46.9408175	46.9408175
Longitude:				-67.90479834	-67.90479775	-67.90372914	-67.90372906	-67.9037211	-67.9001119	-67.9001119	-67.9001119	-67.9001119	-67.9001119	-67.9001119
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	57.2	51.1	19.9	0 R	5.4 J	1.9 U	3.7 U	0.94 J	0.91 J	3.9 U	1.5 J
Perfluoropentanoic acid (PFPeA)	-	-	-	201	65.5	57.1	48.3	13.2	1.2 J	1.1 J	0.72 J	0.61 NJ	0.97 J	0.97 J
Perfluorohexanoic acid (PFHxA)	990	-	-	136	43.9	31.8	23.8	9.7	0.93 U	1.9 U	0.52 J	0.45 J	0.74 J	0.7 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	84.5	22.7	13	8.2	6.1	0.93 U	1.9 U	0.45 J	0.4 J	0.63 J	0.43 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	74.2	16.5	9.2	5.6	7.4	1.7 J	0.95 J	1.2 J	1.4 J	1.1 J	0.96 J
Perfluorononanoic acid (PFNA)	5.9	10	-	13.1	2.4 J	0.95 J	1.8 U	1.6 J	0.93 U	1.9 U	0.5 U	0.5 U	2 U	1.6 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	0.93 U	1.9 U	1 U	1 U	2 U	1.6 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	0.93 U	1.9 UJ	0.5 U	0.5 U	2 U	1.6 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	0.93 U	1.9 UJ	1 U	1 U	2 U	1.6 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	0.93 U	1.9 UJ	1 U	1 U	2 U	1.6 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	0 R	1.9 UJ	0.5 U	0.5 U	2 U	1.6 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	30.4	7.7	7.5 J-	5	3.1 J	0.93 U	1.9 U	0.5 J	0.28 J	2 U	0.44 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	43.1	10.3	7.1	3.8 J	3.8 J	0.93 U	1.9 U	0.3 J	0.19 J	3.9 U	0.25 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	357	59.2	36.5	18.1	33.9	2.7 J	1.4 J	3	2.5	2.1 J	2.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	15.3	1.9 J	1.5 J	1.8 U	1.8 J	0.93 U	1.9 U	0.47 U	0.47 U	2 U	1.5 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	372	40	23	15.8	63	5.4	3.5 J	5	5.2	3.6 J	3.2
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	0.93 U	1.9 U	0.94 U	0.94 U	2 U	1.5 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	0.93 U	1.9 UJ	0.47 U	0.47 U	2 U	1.5 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	3.9 U	3.7 U	3.6 U	3.6 U	NA	NA	1 U	1 U	3.9 U	1.6 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.2 U	7.8 U	7.4 U	7.1 U	7.1 U	1.9 U	3.7 U	1.9 U	1.9 U	7.8 U	6.2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	87.7	7.8 U	4.3 J	7.1 U	7.1 U	1.9 U	3.7 U	1.9 U	1.9 U	7.8 U	6.3 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.2 U	7.8 U	7.4 U	7.1 U	7.1 U	1.9 U	3.7 UJ	3.8 U	3.8 U	7.8 U	6.3 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.1 J	1.9 U	1.9 U	1.8 U	1.8 U	0 R	1.9 UJ	0.25 U	0.25 U	2 U	1.6 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	3.9 U	3.7 U	3.6 U	3.6 U	0 R	3.7 UJ	1 U	1 U	3.9 U	1.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 U	3.9 U	3.7 U	3.6 U	3.6 U	NA	NA	1 U	1 U	3.9 UJ	1.6 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	3.9 U	3.7 U	3.6 U	3.6 U	1.9 U	3.7 UJ	1 U	1 U	3.9 U	1.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	3.9 U	3.7 UJ	3.6 UJ	3.6 UJ	1.9 U	3.7 UJ	1 U	1 U	3.9 U	1.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	19 U	19 U	18 U	18 U	NA	NA	2.5 U	2.5 U	20 U	16 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	19 U	19 U	18 U	18 U	NA	NA	5 U	5 U	20 U	16 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	NA	NA	4 U	4 U	2 U	6.6 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	3.9 U	3.7 U	3.6 U	3.6 U	NA	NA	3.8 U	3.8 U	3.9 U	6.2 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	NA	NA	2 U	2 U	2 U	3.3 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	3.9 U	3.7 U	3.6 U	3.6 U	NA	NA	0.5 U	0.5 U	3.9 U	3.3 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	3.9 U	3.7 U	3.6 U	3.6 U	NA	NA	60 U	60 U	3.9 U	72 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	3.9 U	3.7 U	3.6 U	3.6 U	NA	NA	6.6 U	6.6 U	3.9 U	12 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	3.9 U	3.7 U	3.6 U	3.6 U	NA	NA	6.6 U	6.6 U	3.9 U	12 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	1.9 U	1.9 U	1.8 U	1.8 U	NA	NA	3.1 U	3.1 U	2 U	5.8 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9 U	9.7 U	9.3 U	8.9 U	8.9 U	NA	NA	8.8 U	8.8 U	9.8 U	16 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	19 U	19 U	18 U	18 U	NA	NA	31 U	31 U	20 U	41 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	19 U	19 U	18 U	18 U	NA	NA	31 U	31 U	20 U	41 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	900.8	140.8	82.65	47.7	112	9.8	5.85	9.65	9.5	7.43	6.69

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				05. Structural Fire Station										
Location ID:				OW05002								OW05003		
Sample ID:				LORNG_OW05002_0	LORNG_OW05002_0	LORNG_OW05002_0	LORNG_OW05002_0	LORNG_OW05002_1	LORNG_OW05002_1	LORNG_OW05002_0	LORNG_OW05002_0	LORNG_OW05003_0	LORNG_OW05003_1	LORNG_OW05003_0
Sample Date:				8/4/2022	9/28/2022	6/6/2023	6/6/2023FD	0312023	0312023FD	6/6/2024	6/6/2024FD	8/5/2022	0012022	5252023
Sample Depth (ft bgs):				7-17	7-17	7-17	7-17	7-17	7-17	7-17	7-17	9-19	9-19	9-19
Sample Type:				N	N	N	FD	N	FD	N	FD	N	N	N
Latitude:				46.9343071	46.9343071	46.9343071	46.9343071	46.9343071	46.9343071	46.9343071	46.9343071	46.934357	46.934357	46.934357
Longitude:				-67.9064851	-67.9064851	-67.9064851	-67.9064851	-67.9064851	-67.9064851	-67.9064851	-67.9064851	-67.9072223	-67.9072223	-67.9072223
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	28.9	31.9	32	31	29	31	30.7	29.9	16.5	25.9	21
Perfluoropentanoic acid (PFPeA)	-	-	-	105	96.5	120	120	110	110	120	116	53.7	76.4	71
Perfluorohexanoic acid (PFHxA)	990	-	-	93.3	85.2	120	120	100	100	124	123	29.5	45.1	40
Perfluoroheptanoic acid (PFHpA)	-	-	-	57.4	54.7	66	65	57	61	68.2	66.5	26.6	45.9	31
Perfluorooctanoic acid (PFOA)	0.0027	4	-	117	97	130	130	100	110	134	133	25.8	45.4	28
Perfluorononanoic acid (PFNA)	5.9	10	-	16.7	13.5	22	23	21	22	24	23.8	6.3	13.3	6.7
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.8 U	1 U	1 U	0.94 U	0.3 J	1.9 U	1.9 U	1.9 U	1.8 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.8 U	0.5 U	0.5 U	0.47 U	0.47 U	1.9 U	1.9 U	1.9 U	1.8 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.8 U	1 U	1 U	0.94 U	0.93 U	1.9 U	1.9 U	1.9 U	8.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.8 U	1 U	1 U	0.94 U	0.93 U	1.9 U	1.9 U	1.9 U	8.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.8 U	0.5 U	0.5 U	0.47 U	0.47 U	1.9 U	1.9 U	1.9 U	1.8 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	76.7	72.2	82	77	57	56	83.4	81.1	12.7	18.4	14
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	100	95	110	100	100	98	130	128	21.8	31.6	27
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	775	729	900	870	750	730	1100	919	194	268	240
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	31.8	29.3	28	30	25	25	25.3	25.2	12.9	19	11
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1010	869	900	890	1100	1100	885	998	521	1130	470
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.8 U	0.94 U	0.94 U	0.88 U	0.88 U	1.9 U	1.9 U	1.9 U	1.8 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.8 U	0.47 U	0.47 U	0.44 U	0.44 U	1.9 U	1.9 U	1.9 U	1.8 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	0.94 U	0.93 U	3.8 U	3.8 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	3.6 U	1.9 U	1.9 U	1.8 U	1.8 U	7.6 U	7.6 U	3.7 U	3.6 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	60.9	28	110	120	92	89	108	115	10.4	20.7	13
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.2 J	4 J	5.6 J	6.3	5.9	5 J	7.3 J	6.4 J	3.7 U	3.6 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2.4 J	2.1 J	2.1	2.2	2.2	2.4	1.8 J	1.8 J	1.9 U	1.8 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	18 U	1 U	1 U	0.94 U	0.93 U	3.8 U	3.8 U	3.7 U	3.6 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	0.94 U	0.93 U	3.8 U	3.8 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	3.6 U	1 U	1 U	0.94 U	0.93 U	3.8 U	3.8 U	3.7 U	3.6 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	3.6 U	1 U	1 U	0.94 U	0.93 U	3.8 U	3.8 U	3.7 U	18 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	2.3 U	2.3 U	19 U	19 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	4.7 U	4.7 U	19 U	19 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	3.7 U	3.7 U	1.9 U	1.9 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.6 U	3.5 U	3.8 U	3.8 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	0.47 U	0.47 U	3.8 U	3.8 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	56 U	56 U	3.8 U	3.8 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	6.2 U	6.1 U	3.8 U	3.8 U	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6.6 U	6.2 U	6.1 U	3.8 U	3.8 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	2.9 U	2.9 U	1.9 U	1.9 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	8.2 U	8.2 U	9.5 U	9.5 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	29 U	29 U	19 U	19 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	29 U	29 U	19 U	19 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1976.1	1763.2	2018	1978	2028	2023.3	2211.2	2140.3	773.7	1502.6	775.7

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				05. Structural Fire Station										
Location ID:				OW05003							OW05004			
Sample ID:				LORNG_OW05003_0	LORNG_OW05003_1	LORNG_OW05003_1	LORNG_OW05003_0	LORNG_OW05003_0	LORNG_OW05003_1	LORNG_OW05003_1	LORNG_OW05004_0	LORNG_OW05004_0	LORNG_OW05004_0	LORNG_OW05004_0
Sample Date:				5252023FD	1022023	1022023FD	6062024	6062024FD	0112024	0112024FD	8052022	8052022FD	9282022	9282022FD
Sample Depth (ft bgs):				9-19	9-19	9-19	9-19	9-19	9-19	9-19	10-20	10-20	10-20	10-20
Sample Type:				FD	N	FD	N	FD	N	FD	N	FD	N	FD
Latitude:				46.934357	46.934357	46.934357	46.934357	46.934357	46.934357	46.934357	46.9338626	46.9338626	46.9338626	46.9338626
Longitude:				-67.9072223	-67.9072223	-67.9072223	-67.9072223	-67.9072223	-67.9072223	-67.9072223	-67.907729	-67.907729	-67.907729	-67.907729
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	21	17	18	12.4 J	11.9 J	12.3 J	15.5	10.9	10.9	50.5	54.2
Perfluoropentanoic acid (PFPeA)	-	-	-	71	58	60	36.6	34.3	33.3	38.7	20	20.7	137	147
Perfluorohexanoic acid (PFHxA)	990	-	-	41	34	34	22.1	19.9	19.7	23.9	12.9	13.5	82.8	88.8
Perfluoroheptanoic acid (PFHpA)	-	-	-	30	27	28	20.8	19.3	17.7	21.1	19.2	19.5	134	144
Perfluorooctanoic acid (PFOA)	0.0027	4	-	27	27	29	20.1	18.7	19.5	23.7	13.8	13.8	85.8	91.8
Perfluorononanoic acid (PFNA)	5.9	10	-	6.4	8.6	9.6	6.3	6	6.8	7.7	2.4 J	2.4 J	11.9	12.5
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	0.91 U	0.93 U	1.9 U	1.9 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.46 U	0.46 U	1.9 U	1.9 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	0.91 U	0.93 U	1.9 U	1.9 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	0.91 U	0.93 U	1.9 U	1.9 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.46 U	0.46 U	1.9 U	1.9 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	14	11	12	7.3	7.5	8	9.6	6	5.9	19.7	21
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	27	20	21	13.5	13.4	13.9	16.8	8.1	10.4	35.2	36.8
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	270	210	220	152	146	150	181	83.3	79.9	351	376
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	11	12	12	8.4	7.8	8.6	9.8	3.3 J	3.4 J	15.3	15.4
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	530	670	660	521	529	452	548	252	235	634	679
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.86 U	0.87 U	1.9 U	1.9 U	1.9 U	1.8 U	2 U	1.9 U	2.5 J	2.8 J
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.43 U	0.44 U	1.9 U	1.9 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	0.91 U	0.93 U	3.8 U	3.7 U	3.8 U	3.6 U	NA	NA	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.7 U	1.8 U	7.7 U	7.4 U	7.5 U	7.1 U	4 U	3.7 U	3.6 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	13	14	16	7.6 J	6.9 J	7.5 U	3.5 J	8.2	8.4	19.1	20.8
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.5 U	3.5 U	7.7 U	7.4 U	7.5 U	7.1 U	16.3	16.6	12.9	14.4
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.23 U	0.23 U	1.9 U	1.9 U	1.9 U	1.8 U	2 U	1.3 J	1.9 J	1.8 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	0.91 U	0.93 U	3.8 U	3.7 U	3.8 U	3.6 U	20 UJ	0 R	18 UJ	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	0.91 U	0.93 U	3.8 U	3.7 U	3.8 U	3.6 U	NA	NA	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	0.91 U	0.93 U	3.8 U	3.7 U	3.8 U	3.6 U	4 U	3.7 U	3.6 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	0.91 U	0.93 U	3.8 U	3.7 U	3.8 U	3.6 U	4 U	3.7 U	3.6 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.3 U	2.3 U	19 U	19 U	19 U	18 U	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	4.6 U	4.6 U	19 U	19 U	19 U	18 U	NA	NA	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	3.7 U	3.7 U	1.9 U	1.9 U	1.9 U	1.8 U	NA	NA	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.5 U	3.5 U	3.8 U	3.7 U	3.8 U	3.6 U	NA	NA	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	NA	NA	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.46 U	0.46 U	3.8 U	3.7 U	3.8 U	3.6 U	NA	NA	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	55 U	56 U	3.8 U	3.7 U	3.8 U	3.6 U	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6 U	6.1 U	3.8 U	3.7 U	3.8 U	3.6 U	NA	NA	NA	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6 U	6.1 U	3.8 U	3.7 U	3.8 U	3.6 U	NA	NA	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	2.8 U	2.9 U	1.9 U	1.9 U	1.9 U	1.8 U	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8 U	8.2 U	9.6 U	9.3 U	9.4 U	8.9 U	NA	NA	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	28 U	29 U	19 U	19 U	19 U	18 U	NA	NA	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	28 U	29 U	19 U	19 U	19 U	18 U	NA	NA	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	863.4	942.6	946.6	720.2	719	646	781.5	370.7	350.6	1216.7	1303.3

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				05. Structural Fire Station										06. Burn House
Location ID:				OW05004				OW05005	OW05006	UNK-036				BW06005
Sample ID:				LORNG_OW05004_0	LORNG_OW05004_1	LORNG_OW05004_0	LORNG_OW05004_1	LORNG_OW05005_1	LORNG_OW05006_1	LORNG_UNK-036_06092023	LORNG_UNK-036_10122023	LORNG_UNK-036_05142024	LORNG_UNK-036_09202024	LORNG_BW06005_0
Sample Date:				5172023	0242023	5222024	0072024	0172024	0212024	6/9/2023	10/12/2023	5/14/2024	9/20/2024	5182022
Sample Depth (ft bgs):				10-20	10-20	10-20	10-20	8-18	8-18	19-29	19-29	19-29	19-29	97-107
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9338626	46.9338626	46.9338626	46.9338626	46.9315646	46.93074437	46.92541992	46.92541992	46.92541992	46.92541992	46.92385419
Longitude:				-67.907729	-67.907729	-67.907729	-67.907729	-67.90484394	-67.90375893	-67.91590419	-67.91590419	-67.91590419	-67.91590419	-67.89681588
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	8.3	4.1 J	10.3 J	8.7	19.6	4.7 J	0.77 J	2 U	3.6 U	3.8 U	88.8
Perfluoropentanoic acid (PFPeA)	-	-	-	19	8.3 J	18.5	15	55.8	11	0.28 J	0.5 U	1.8 U	1.9 U	294
Perfluorohexanoic acid (PFHxA)	990	-	-	13	5.3 J	12.9	9.6	35.4	7.7	0.35 J	0.18 J	1.8 U	1.9 U	160
Perfluoroheptanoic acid (PFHpA)	-	-	-	17	7.7 J	18.4	12	26.3	4.7	0.4 J	0.16 J	1.8 U	1.9 U	191
Perfluorooctanoic acid (PFOA)	0.0027	4	-	13	4.6 J	11.1	7.5	23.9	6.6	1.7	0.89 J	1.1 J	1.3 J	106
Perfluorononanoic acid (PFNA)	5.9	10	-	3.4	1.6 J	2.6 J	1.3 J	6.8	1.7 J	0.5 U	0.5 U	1.8 U	1.9 U	21.7
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.39 J	0.41 J	2 U	1.7 U	1.4 J	1.9 U	1 U	1 U	1.8 U	1.9 UJ	1.6 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.44 UJ	2 U	1.7 U	1.9 U	1.9 U	0.5 U	0.5 U	1.8 U	1.9 U	1 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	0.88 UJ	2 U	1.7 U	1.9 U	1.9 U	1 U	1 U	1.8 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	0.88 UJ	2 U	1.7 U	1.9 U	1.9 U	1 U	1 U	1.8 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.44 UJ	2 U	1.7 U	1.9 U	1.9 U	0.5 U	0.5 U	1.8 U	1.9 U	1 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.3	2.1 J	4.8	3.9	12.6	2.8 J	0.31 J	0.27 J	1.8 U	1.9 U	18
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4.9	2.7 J	7.5	4.5	21.3	2.9 J	0.47 U	0.47 U	3.6 U	3.8 U	26
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	55	28 J	65.7	39	174	27.8	1.2 J	1.3 J	1.8 J	1.2 J	203
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8	0.63 J	2.4 J	1.2 J	7.1	1.5 J	0.47 U	0.47 U	1.8 U	1.9 U	11.5
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	140	72 J	115	61	232	49.8	5.2	7	5.9	3.9	635
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.83 UJ	1.4 J	1.6 U	0.75 J	1.9 U	0.94 U	0.94 U	1.8 U	1.9 U	1 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.42 UJ	2 U	1.6 U	1.9 U	1.9 U	0.47 U	0.47 U	1.8 U	1.9 U	1 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	0.88 UJ	3.9 U	1.7 U	3.7 U	3.8 U	1 U	1 U	3.6 U	3.8 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.7 UJ	7.8 U	6.3 U	7.4 U	7.6 U	1.9 U	1.9 U	7.3 U	7.7 U	2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3 J	0.83 J	4.9 J	1.7 J	7.4 U	7.6 U	2.7 J	1.9 U	7.3 U	7.7 U	137
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.1 J	3.4 UJ	7.8 U	6.4 U	7.4 U	7.6 U	3.8 U	3.8 U	7.3 U	7.7 U	120
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.78 J	0.32 J	2 U	1.4 J	1.9 U	1.9 U	0.25 U	0.25 U	1.8 U	1.9 U	11.8
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	0.88 UJ	3.9 UJ	1.7 U	3.7 U	3.8 U	1 U	1 U	3.6 U	3.8 U	2 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	0.88 UJ	3.9 U	1.7 U	3.7 U	3.8 U	1 U	1 U	3.6 UJ	3.8 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	0.88 UJ	3.9 U	1.7 U	3.7 U	3.8 U	1 U	1 U	3.6 U	3.8 U	2 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	0.88 UJ	3.9 U	1.7 U	3.7 UJ	3.8 UJ	1 U	1 U	3.6 U	3.8 U	2 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.2 UJ	20 UJ	17 U	19 U	19 U	2.5 U	2.5 U	18 U	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	4.4 UJ	20 UJ	17 U	19 U	19 U	5 U	5 U	18 U	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	3.5 UJ	2 U	6.7 U	1.9 U	1.9 U	4 U	4 U	1.8 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.4 UJ	3.9 U	6.3 U	3.7 U	3.8 U	3.8 U	3.8 U	3.6 U	3.8 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 UJ	2 U	3.3 U	1.9 U	1.9 U	2 U	2 U	1.8 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.44 UJ	3.9 U	3.3 U	3.7 U	3.8 U	0.5 U	0.5 U	3.6 U	3.8 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	53 UJ	3.9 U	73 U	3.7 U	3.8 U	60 U	60 U	3.6 U	3.8 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	5.8 UJ	3.9 U	13 U	3.7 U	3.8 U	6.6 U	6.6 U	3.6 U	3.8 U	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	5.8 UJ	3.9 U	13 U	3.7 U	3.8 U	6.6 U	6.6 U	3.6 U	3.8 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	2.7 UJ	2 U	5.9 U	1.9 U	1.9 U	3.1 U	3.1 U	1.8 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	7.8 UJ	9.8 U	17 U	9.3 U	9.5 U	8.8 U	8.8 U	9.1 U	9.6 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	27 UJ	20 U	42 U	19 U	19 U	31 U	31 U	18 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	27 UJ	20 U	42 U	19 U	19 U	31 U	31 U	18 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	228.79	114.31	212.8	120.8	464.4	90.6	8.5	9.35	8.8	6.4	1158.3

Notes

See Table 1-1 for notes and Table 1-3 for information about screening levels.

* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				06. Burn House										
Location ID:				BW06005					BW06006					
Sample ID:				LORNG_BW06005_0	LORNG_BW06005_0	LORNG_BW06005_1	LORNG_BW06005_0	LORNG_BW06005_1	LORNG_BW06006_0	LORNG_BW06006_1	LORNG_BW06006_0	LORNG_BW06006_1	LORNG_BW06006_0	LORNG_BW06006_0
Sample Date:				9142022	5242023	0262023	6062024	0112024	9142022	0252022	6142023	1022023	6112024HS	6132024
Sample Depth (ft bgs):				97-107	97-107	97-107	97-107	97-107	60-70	60-70	60-70	60-70	60-70	60-70
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.92385419	46.92385419	46.92385419	46.92385419	46.92385419	46.9241569	46.9241569	46.9241569	46.9241569	46.9241569	46.9241569
Longitude:				-67.89681588	-67.89681588	-67.89681588	-67.89681588	-67.89681588	-67.8967925	-67.8967925	-67.8967925	-67.8967925	-67.8967925	-67.8967925
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	31.7	34	20	17.5	14.8 J	84.4	82.8	39	35	31.3 J	53.2
Perfluoropentanoic acid (PFPeA)	-	-	-	91.6	95	45	40.3	32.3 J	225	209	94	83	92.2	140
Perfluorohexanoic acid (PFHxA)	990	-	-	49.7	51	24	24.1	16.6	158	147	68	61	70.7	108
Perfluoroheptanoic acid (PFHpA)	-	-	-	56.6	53	25	25.9	16.6	138	126	56	51	59.6	89.7
Perfluorooctanoic acid (PFOA)	0.0027	4	-	38.1	33	20	18.1	13	112	102	49	45	52	73.9
Perfluorononanoic acid (PFNA)	5.9	10	-	6.9	6.3	3.2	3.2 J	2.1 J	20.3	19.6	13	13	12.5	17.7
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	0.61 J	0.3 J	1.8 U	2 UJ	1.9 U	1.8 UJ	1 U	0.32 J	2 U	0.52 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.51 U	1.8 U	2 U	1.9 U	1.8 UJ	0.5 U	0.49 U	2 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	1 U	1.8 U	2 U	1.9 U	1.8 UJ	1 U	0.97 U	2 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	1 U	1.8 U	2 U	1.9 U	1.8 UJ	1 U	0.97 U	2 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.51 U	1.8 U	2 U	1.9 U	1.8 UJ	0.5 U	0.49 U	2 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	7	6.7	5	3.9	3.3 J	42	38.1	23	21	21.4	32.2
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	9.7	8.2	6.4	5.5	4.7 J	50.5	46	29	24	27.2	40
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	84.8	74	63	50.9	39.7	396	354	240	250	230	308
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	4.6	2.7	2	2.4 J	1.9 J	21.8	21.7	10	7.7	8.8	14.4
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	232	170	120	107	69.6	1010	953	500	530	492	750
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.96 U	1.8 U	2 U	1.6 J	1.8 UJ	0.94 U	0.91 U	2 U	1.5 J
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.48 U	1.8 U	2 U	1.9 U	1.8 UJ	0.47 U	0.46 U	2 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.7 U	4 U	NA	NA	1 U	0.97 U	4 U	3.7 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	1.9 U	7.3 U	8 U	3.7 U	3.6 UJ	1.9 U	1.8 U	8.1 U	7.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	38.2	37	16	22.9	9.7 J	53.9	48.3	14	17	12.7 J	34.4
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	60.6	22	13	12.8 J	7.2 J	17.6	19.6	5.9 J	14	7.4 J	21.7
Perfluorooctane sulfonamide (PFOSA)	-	-	-	4	2.9	1.8	1.8 J	0.96 J	7.8	8.3	3.9	3.9	4.5	7.1
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 UJ	1 U	1 U	3.7 U	4 U	19 UJ	18 UJ	1 U	0.97 U	4 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.7 U	4 U	NA	NA	1 U	0.97 U	4 U	3.7 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	1 U	3.7 U	4 U	3.7 U	18 U	1 U	0.97 U	4 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1 U	1 U	3.7 U	4 U	3.7 U	18 U	1 U	0.97 U	4 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	18 U	20 U	NA	NA	2.5 U	2.4 U	20 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5.1 U	18 U	20 U	NA	NA	5 U	4.9 U	20 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4.1 U	1.8 U	2 U	NA	NA	4 U	3.9 U	2 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.9 U	3.7 U	4 U	NA	NA	3.8 U	3.7 U	4 U	3.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.8 U	2 U	NA	NA	2 U	1.9 U	2 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.51 U	3.7 U	4 U	NA	NA	0.5 U	0.49 U	4 U	3.7 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	61 U	3.7 U	4 U	NA	NA	60 U	58 U	4 U	3.7 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.7 U	3.7 U	4 U	NA	NA	6.6 U	6.4 U	4 U	3.7 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.7 U	3.7 U	4 U	NA	NA	6.6 U	6.4 U	4 U	3.7 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.2 U	1.8 U	2 U	NA	NA	3.1 U	3 U	2 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	9 U	9.2 U	10 U	NA	NA	8.8 U	8.6 U	10 U	9.3 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	32 U	18 U	20 U	NA	NA	31 U	30 U	20 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	32 U	18 U	20 U	NA	NA	31 U	30 U	20 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	418.4	336.91	231.5	205.1	141	1676.3	1554.6	858	889.32	846.1	1239.82

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				06. Burn House										
Location ID:				BW06006	BW06007									
Sample ID:				LORNG_BW06006_1	LORNG_BW06007_0	LORNG_BW06007_1	LORNG_BW06007_0	LORNG_BW06007_0	LORNG_BW06007_1	LORNG_BW06007_1	LORNG_BW06007_0	LORNG_BW06007_0	LORNG_BW06007_1	LORNG_BW06007_1
Sample Date:				0222024	9012022	0032022	6062023	6062023FD	0262023	0262023FD	6032024	6032024FD	0092024	0092024FD
Sample Depth (ft bgs):				10/22/2024	9/1/2022	10/3/2022	6/6/2023	6/6/2023	10/26/2023	10/26/2023	6/3/2024	6/3/2024	10/9/2024	10/9/2024
Sample Type:				60-70	64-74	64-74	64-74	64-74	64-74	64-74	64-74	64-74	64-74	64-74
Latitude:				N	N	N	N	FD	N	FD	N	FD	N	FD
Longitude:				46.9241569	46.9235689	46.9235689	46.9235689	46.9235689	46.9235689	46.9235689	46.9235689	46.9235689	46.9235689	46.9235689
				-67.8967925	-67.8967641	-67.8967641	-67.8967641	-67.8967641	-67.8967641	-67.8967641	-67.8967641	-67.8967641	-67.8967641	-67.8967641
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	78.3	102	121	87	89	100	99	72.1	72.8	73	67
Perfluoropentanoic acid (PFPeA)	-	-	-	209	341	354	270	290	310	320	244	245	250	220
Perfluorohexanoic acid (PFHxA)	990	-	-	151	161	188	140	150	150	150	133	134	130	120
Perfluoroheptanoic acid (PFHpA)	-	-	-	136	171	200	150	160	150	150	147	145	150	140
Perfluorooctanoic acid (PFOA)	0.0027	4	-	108	85.3	102	85	82	76	75	73.2	71.9	78	71
Perfluorononanoic acid (PFNA)	5.9	10	-	23.9	15.7	19.1	17	18	16	16	14.7	16.3	19	17
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.73 J	1.2 J	1.7 J	1.4 J	1.4 J	1.3 J	1.3 J	1.1 J	1.1 J	1.4 J	1.3 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	2.3 U	1.9 U	9.3 U	0.5 U	0.5 U	0.52 U	0.52 U	1.9 U	1.9 U	1.3 U	1.3 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2.3 U	1.9 U	9.3 U	1 U	1 U	1 U	1 U	1.9 U	1.9 U	0.87 U	0.85 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2.3 U	1.9 U	9.3 U	1 U	1 U	1 U	1 U	1.9 U	1.9 U	1.3 U	1.3 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2.3 U	1.9 U	9.3 U	0.5 U	0.5 U	0.52 U	0.52 U	1.9 U	1.9 U	0.87 U	0.85 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	41.3	17.1	21.1	9.9	10	12	12	7.8	7.9	7.8	7.5
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	55.8	17.6	27.7	13	13	14	14	10.4	11.2	10	9.9
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	437	139	175	100	100	100	100	82.5	86.8	90	83
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	23	6.8	9.4	3.5	3.6	3.2	3.2	3.7	3.7	2.9	2.9
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1130	222	355	190	190	170	180	135	142	180	200
Perfluorononanesulfonic acid (PFNS)	-	-	-	2.4 J	1.9 U	1.9 U	0.94 U	0.94 U	0.98 U	0.98 U	0.62 J	0.66 J	1.2 U	1.2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2.3 U	1.9 U	9.3 U	0.47 U	0.47 U	0.49 U	0.49 U	1.9 U	1.9 U	1.2 U	1.2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4.6 U	NA	NA	1 U	1 U	1 U	1 U	3.7 U	3.7 U	0.87 U	0.85 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	9.2 U	3.7 U	3.7 U	1.5 J	1.5 J	2.2 J	2.2 J	7.4 U	7.4 U	3.2 U	3.2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	62.5	201 J	266	220	220	250	240	198	201	190	180
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	27.2	72.1	107	75	75	61	61	55.2	57.1	85	80
Perfluorooctane sulfonamide (PFOSA)	-	-	-	14.2	1.9 U	3.4 J	3.9	3.6	2.9	2.9	2.9 J	2.7 J	3.4	2.9
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4.6 U	3.7 U	3.7 U	1 U	1 U	1 U	1 U	3.7 UJ	3.7 UJ	1.3 U	1.3 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4.6 U	NA	NA	1 U	1 U	1 U	1 U	3.7 U	3.7 U	1.3 U	1.3 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4.6 U	3.7 U	3.7 U	1 U	1 U	1 U	1 U	3.7 U	3.7 U	1.3 U	1.3 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4.6 UJ	3.7 U	3.7 U	1 U	1 U	1 U	1 U	3.7 U	3.7 U	0.87 U	0.85 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	23 U	NA	NA	2.5 U	2.5 U	2.6 U	2.6 U	19 UJ	19 UJ	8.7 U	8.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	23 U	NA	NA	5 U	5 U	5.2 U	5.2 U	19 UJ	19 UJ	8.7 U	8.5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2.3 U	NA	NA	4 U	4 U	4.2 U	4.2 U	1.9 U	1.9 U	3.4 U	3.4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4.6 U	NA	NA	3.8 U	3.8 U	4 U	4 U	3.7 U	3.7 U	3.2 U	3.2 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.3 U	NA	NA	2 U	2 U	2.1 U	2.1 U	1.9 U	1.9 U	2.9 U	2.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4.6 U	NA	NA	0.5 U	0.5 U	0.52 U	0.52 U	3.7 U	3.7 U	1.3 U	1.3 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4.6 U	NA	NA	60 U	60 U	63 U	62 U	3.7 U	3.7 U	26 U	25 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4.6 U	NA	NA	6.6 U	6.6 U	6.9 U	6.9 U	3.7 U	3.7 U	3.2 U	3.2 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4.6 U	NA	NA	6.6 U	6.6 U	6.9 U	6.9 U	3.7 U	3.7 U	2.4 U	2.3 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.3 U	NA	NA	3.1 U	3.1 U	3.2 U	3.2 U	1.9 U	1.9 U	2.2 U	2.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	11 U	NA	NA	8.8 U	8.8 U	9.2 U	9.2 U	9.3 U	9.3 U	6.3 U	6.2 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	23 U	NA	NA	31 U	31 U	32 U	32 U	19 U	19 U	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	23 U	NA	NA	31 U	31 U	32 U	32 U	19 U	19 U	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1835.63	634.2	852.8	543.4	551.4	513.3	522.3	453.5	463.1	518.4	512.3

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				06. Burn House										
Location ID:				BW06008						BW06009D	BW06009I	BW06009S	MMW0010	
Sample ID:				LORNG_BW06008_0	LORNG_BW06008_1	LORNG_BW06008_0	LORNG_BW06008_1	LORNG_BW06008_0	LORNG_BW06008_1	LORNG_BW06009D_	LORNG_BW06009I_1	LORNG_BW06009S_	LORNG_MMW0010_	LORNG_MMW0010_
Sample Date:				8/17/2022	10/1/2022	5/18/2023	10/12/2023	5/22/2024	0082024	10/23/2024	0182024	10/16/2024	05/10/2022	09/13/2022
Sample Depth (ft bgs):				50-60	50-60	50-60	50-60	50-60	50-60	231-241	76-86	38-48	63-73	63-73
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9237618	46.9237618	46.9237618	46.9237618	46.9237618	46.9237618	46.92353622	46.92353564	46.92354441	46.92522059	46.92522059
Longitude:				-67.8950526	-67.8950526	-67.8950526	-67.8950526	-67.8950526	-67.8950526	-67.9018954	-67.90189448	-67.90191015	-67.90156722	-67.90156722
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.7 J	5.3 J	1.9 J	4 J	2.6 J	6.4	5.9 J	4.4 J	5.3 J	7.8	6.7 J
Perfluoropentanoic acid (PFPeA)	-	-	-	2.4 J	7.1	1.5 J	3.8	2.4 J	11	10.3	9.8	10.1	18.1	15.3
Perfluorohexanoic acid (PFHxA)	990	-	-	2 J	5.6	1.4 J	3.7	2.1 J	9.3	13.8	12.8	12.1	17.9	14.6
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.6 J	6.5	1.7	3.7	2.3 J	7.9	7.7	6.6	6.1	11.6	9
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.4 J	4.8	1.8	2.4	2 J	5.8	8.9	10.9	8.2	14.8	12
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	2 U	0.3 J	0.56 J	2 U	1.4 J	1.1 J	0.97 J	0.69 J	1.2 J	1.1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	2 U	1 U	1 U	2 U	0.82 U	1.8 U	1.9 U	1.9 U	0.88 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	2 U	0.5 U	0.5 U	2 U	1.2 U	1.8 U	1.9 U	1.9 U	0.88 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	10 U	1 U	1 U	2 U	0.82 U	1.8 U	1.9 U	1.9 U	0.88 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	10 U	1 U	1 U	2 U	1.2 U	1.8 U	1.9 U	1.9 U	0.88 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	10 U	0.5 U	0.5 U	2 U	0.82 U	1.8 U	1.9 U	1.9 U	0.88 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 U	1.1 J	0.97 J	0.92 J	0.82 J	0.93 J	3.1 J	2.5 J	2.4 J	3.4 J	2.9 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.99 J	1.5 J	0.96 J	0.67 J	4 U	1.1 J	3.9 J	2.9 J	2.7 J	4.7	3.7
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	8.8	10.4	9.7	7.9	7.9	11	46	46.7	33.7	53.9	47.3
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	2 U	0.18 J	0.19 J	2 U	0.42 J	0.99 J	1.4 J	0.95 J	2 J	1.5 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	12.7	16.7	11	11	10.5	21	43.4	54.5	34.9	71.3	70.5
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	2 U	0.94 U	0.94 U	2 U	1.1 U	1.8 U	1.9 U	1.9 U	0.88 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	2 U	0.47 U	0.47 U	2 U	1.1 U	1.8 U	1.9 U	1.9 U	0.88 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	4 U	0.82 U	3.7 U	3.8 U	3.8 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.8 U	4.1 U	1.9 U	1.9 U	8 U	3.1 U	7.3 U	7.7 U	7.7 U	1.8 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.8 U	4.1 U	1.9 U	1.9 U	8 U	3.2 U	7.3 U	7.7 U	7.7 U	1.8 U	3.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	4.1 U	3.8 U	3.8 U	8 U	4.6 U	7.3 U	7.7 U	7.7 U	1.8 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	2 U	0.25 U	0.25 U	2 U	0.6 U	1.8 U	1.9 U	1.9 U	0.88 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0 R	20 U	1 U	1 U	4 UJ	1.2 U	3.7 U	3.8 U	3.8 U	1.8 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	4 U	1.2 U	3.7 U	3.8 U	3.8 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	4.1 U	1 U	1 U	4 U	1.2 U	3.7 U	3.8 U	3.8 U	1.8 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	4.1 U	1 U	1 U	4 U	0.82 U	3.7 UJ	3.8 U	3.8 U	1.8 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	20 UJ	8.2 U	18 U	19 U	19 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	20 UJ	8.2 U	18 U	19 U	19 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	2 U	3.3 U	1.8 U	1.9 U	1.9 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	4 U	3.1 U	3.7 U	3.8 U	3.8 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	2 U	2.8 U	1.8 U	1.9 U	1.9 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	4 U	1.2 U	3.7 U	3.8 U	3.8 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	4 U	24 U	3.7 U	3.8 U	3.8 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	4 U	3.1 U	3.7 U	3.8 U	3.8 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6.6 U	4 U	2.2 U	3.7 U	3.8 U	3.8 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	2 U	2.1 U	1.8 U	1.9 U	1.9 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	10 U	6 U	9.2 U	9.6 U	9.6 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	20 U	30 U	18 U	19 U	19 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	20 U	30 U	18 U	19 U	19 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	26.5	38.4	24.5	25.56	22.7	47.1	107.1	119.67	83.59	152.8	139.9

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				06. Burn House										
Location ID:				MMW0010								MMW0011		
Sample ID:				LORNG_MMW0010_	LORNG_MMW0010_	LORNG_MMW0010_	LORNG_MMW0010_	LORNG_MMW0010_	LORNG_MMW0010_	LORNG_MMW0010_	LORNG_MMW0010_	LORNG_MMW0010_	LORNG_MMW0011_	LORNG_MMW0011_
Sample Date:				09132022FD	05242023	05242023FD	10262023	10262023FD	05162024	05162024FD	10092024	10092024FD	05102022	09132022
Sample Depth (ft bgs):				63-73	63-73	63-73	63-73	63-73	63-73	63-73	63-73	63-73	19-29	19-29
Sample Type:				FD	N	FD	N	FD	N	FD	N	FD	N	N
Latitude:				46.92522059	46.92522059	46.92522059	46.92522059	46.92522059	46.92522059	46.92522059	46.92522059	46.92522059	46.92520207	46.92520207
Longitude:				-67.90156722	-67.90156722	-67.90156722	-67.90156722	-67.90156722	-67.90156722	-67.90156722	-67.90156722	-67.90156722	-67.90158448	-67.90158448
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	7 J	7.9	7.9	8.7	8.7	7.3 J	7.1 J	6.6	6.9	7.2 J	7.1 J
Perfluoropentanoic acid (PFPeA)	-	-	-	15.3	20	19	19	19	16	16.7	14	15	16.4	17.1
Perfluorohexanoic acid (PFHxA)	990	-	-	14	19	19	20	19	16.2	16.8	13	14	16.9	15.6
Perfluoroheptanoic acid (PFHpA)	-	-	-	9.1	12	12	11	12	10.5	10.8	8.7	8.6	10.1	10
Perfluorooctanoic acid (PFOA)	0.0027	4	-	12.6	14	15	15	15	12.5	12.6	11	12	13.7	12.8
Perfluorononanoic acid (PFNA)	5.9	10	-	1.1 J	1.2 J	1.1 J	1.4 J	1.2 J	1.1 J	1.3 J	1 J	1 J	1 J	1.2 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	1 U	1 U	1 U	1.9 U	1.8 U	0.83 U	0.81 U	1 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.5 U	0.52 U	0.51 U	1.9 U	1.8 U	1.2 U	1.2 U	1 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	1 U	1 U	1 U	1.9 U	1.8 U	0.83 U	0.81 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	1 U	1 U	1 U	1.9 U	1.8 U	1.2 U	1.2 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.5 U	0.52 U	0.51 U	1.9 U	1.8 U	0.83 U	0.81 U	1 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3 J	3.8	3.8	3.9	3.7	3.6 J	4	2.9	3	3.5 J	3.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.9	4.3	4.4	4.1	4.4	3.7 J	4.2 J	3.5	3.7	4.4	4.4
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	49.2	59	59	64	65	54.1	57.9	47	48	50.8	46.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.7 J	1.3 J	1.3 J	1.3 J	1.4 J	1.8 J	1.7 J	0.9 J	0.95 J	2 J	1.6 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	67.5	77	77	82	85	66	72	61	64	68.3	74.8
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.94 U	0.97 U	0.95 U	1.9 U	1.8 U	1.1 U	1.1 U	1 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.47 U	0.49 U	0.48 U	1.9 U	1.8 U	1.1 U	1.1 U	1 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	1 U	1 U	3.7 U	3.6 U	0.83 U	0.81 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	1.9 U	2 U	1.9 U	7.5 U	7.3 U	3.1 U	3.1 U	2 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.7 U	1.9 U	1.9 U	2 U	1.9 U	7.5 U	7.3 U	3.2 U	3.1 U	2 U	3.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.8 U	3.8 U	3.9 U	3.9 U	7.5 U	7.3 U	4.6 U	4.5 U	2 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	0.54 J	0.71 J	0.9 J	0.84 J	1.9 U	1.8 U	1.2 J	0.93 J	1 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	1 U	1 U	1 U	1 U	3.7 U	3.6 U	1.2 U	1.2 U	2 U	3.7 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	1 U	1 U	3.7 U	3.6 U	1.2 U	1.2 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	1 U	1 U	1 U	3.7 U	3.6 U	1.2 U	1.2 U	2 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1 U	1 U	1 U	1 U	3.7 U	3.6 U	0.83 U	0.81 U	2 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	2.6 U	2.5 U	19 UJ	18 UJ	8.3 U	8.1 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	5.2 U	5.1 U	19 UJ	18 UJ	8.3 U	8.1 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	4.1 U	4.1 U	1.9 U	1.8 U	3.3 U	3.2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.9 U	3.9 U	3.7 U	3.6 U	3.1 U	3.1 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	2.1 U	2 U	1.9 U	1.8 U	2.8 U	2.8 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	0.52 U	0.51 U	3.7 U	3.6 U	1.2 U	1.2 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	62 U	61 U	3.7 U	3.6 U	25 U	24 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	6.8 U	6.7 U	3.7 U	3.6 U	3.1 U	3.1 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	6.6 U	6.6 U	6.8 U	6.7 U	3.7 U	3.6 U	2.3 U	2.2 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	3.2 U	3.1 U	1.9 U	1.8 U	2.1 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	9.1 U	8.9 U	9.3 U	9.1 U	6.1 U	5.9 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	32 U	31 U	19 U	18 U	30 U	30 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	32 U	31 U	19 U	18 U	30 U	30 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	139.5	163.2	164.1	173.4	178.2	144.2	154.6	128.7	133.6	143.9	145.7

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				06. Burn House										
Location ID:				MMW0011					MMW0017					
Sample ID:				LORNG_MMW0011_	LORNG_MMW0011_	LORNG_MMW0011_	LORNG_MMW0011_	LORNG_MMW0011_	LORNG_MMW0017_	LORNG_MMW0017_	LORNG_MMW0017_	LORNG_MMW0017_	LORNG_MMW0017_	LORNG_MMW0017_
Sample Date:				05242023	10262023TEST	10272023	05162024	10092024	05102022	09132022	09132022FD	05252023	10262023	05202024
Sample Depth (ft bgs):				19-29	19-29	19-29	19-29	19-29	16-26	16-26	16-26	16-26	16-26	16-26
Sample Type:				N	N	N	N	N	N	N	FD	N	N	N
Latitude:				46.92520207	46.92520207	46.92520207	46.92520207	46.92520207	46.92391085	46.92391085	46.92391085	46.92391085	46.92391085	46.92391085
Longitude:				-67.90158448	-67.90158448	-67.90158448	-67.90158448	-67.90158448	-67.901908	-67.901908	-67.901908	-67.901908	-67.901908	-67.901908
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	8.1	8.1	7.2	7.1 J	6.2	7 J	7.3 J	7.5	7.7	8.2	5.6 J
Perfluoropentanoic acid (PFPeA)	-	-	-	20	19	17	15.2	13	15.8	17	17.8	18	19	12.8
Perfluorohexanoic acid (PFHxA)	990	-	-	21	22	19	16	13	16.9	19.3	19.7	20	23	15.8
Perfluoroheptanoic acid (PFHpA)	-	-	-	12	11	10	9.8	7.7	10.1	11.1	11.2	11	12	8
Perfluorooctanoic acid (PFOA)	0.0027	4	-	16	16	15	12.1	9.7	14.4	17.3	17.4	17	18	12.2
Perfluorononanoic acid (PFNA)	5.9	10	-	1.2 J	1.4 J	1.4 J	1.1 J	0.94 J	1.1 J	1.2 J	1.2 J	1.3 J	1.4 J	0.95 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	0.96 U	1 U	1.9 U	0.84 U	1 U	1.9 U	1.9 U	1 U	0.98 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.48 U	0.51 U	1.9 U	1.2 U	1 U	1.9 U	1.9 U	0.5 U	0.49 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	0.96 U	1 U	1.9 U	0.84 U	1 U	1.9 U	1.9 U	1 U	0.98 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	0.96 U	1 U	1.9 U	1.2 U	1 U	1.9 U	1.9 U	1 U	0.98 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.48 U	0.51 U	1.9 U	0.84 U	1 U	1.9 U	1.9 U	0.5 U	0.49 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	4.1	4	3.5	3.2 J	2.9	3.4 J	3.7	3.7	3.8	4.1	2.9 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4.6	4	3.9	3.7 J	3.1	4.5	4.7	4.7	4.6	4.9	3.5 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	58	64	58	51.9	42	54.7	63.2	64.6	69	78	53.8
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.2 J	1.4 J	1 J	1.5 J	0.9 J	2.1 J	2.1 J	2.1 J	1.5	1.7	1.6 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	78	92	92	67.6	58	73.3	96.3	96.8	91	100	69.9
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.9 U	0.96 U	1.9 U	1.1 U	1 U	1.9 U	1.9 U	0.94 U	0.92 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.45 U	0.48 U	1.9 U	1.1 U	1 U	1.9 U	1.9 U	0.47 U	0.46 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	0.96 U	1 U	3.8 U	0.84 U	NA	NA	NA	1 U	0.98 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.8 U	1.9 U	7.5 U	3.2 U	2 U	3.7 U	3.7 U	1.9 U	1.9 U	7.5 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.8 U	1.9 U	7.5 U	3.2 U	2 U	3.7 U	3.7 U	1.9 U	1.9 U	7.5 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.7 U	3.9 U	7.5 U	4.7 U	2 U	3.7 U	3.7 U	3.8 U	3.7 U	7.5 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.63 J	0.78 J	1.5 J	1.9 U	0.83 J	1 U	1.2 J	1.3 J	0.81 J	0.83 J	0.77 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	0.96 U	1 U	3.8 U	1.2 U	2 U	3.7 UJ	3.7 U	1 U	0.98 U	3.8 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	0.96 U	1 U	3.8 U	1.2 U	NA	NA	NA	1 U	0.98 U	3.8 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	0.96 U	1 U	3.8 U	1.2 U	2 U	3.7 U	3.7 U	1 U	0.98 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	0.96 U	1 U	3.8 U	0.84 U	2 U	3.7 U	3.7 U	1 U	0.98 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.4 U	2.5 U	19 UJ	8.4 U	NA	NA	NA	2.5 U	2.4 U	19 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	4.8 U	5.1 U	19 UJ	8.4 U	NA	NA	NA	5 U	4.9 U	19 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	3.8 U	4.1 U	1.9 U	3.3 U	NA	NA	NA	4 U	3.9 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.7 U	3.9 U	3.8 U	3.2 U	NA	NA	NA	3.8 U	3.7 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.9 U	2 U	1.9 U	2.9 U	NA	NA	NA	2 U	2 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.48 U	0.51 U	3.8 U	1.2 U	NA	NA	NA	0.5 U	0.49 U	3.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	58 U	61 U	3.8 U	25 U	NA	NA	NA	60 U	59 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.3 U	6.7 U	3.8 U	3.2 U	NA	NA	NA	6.6 U	6.4 U	3.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.3 U	6.7 U	3.8 U	2.3 U	NA	NA	NA	6.6 U	6.4 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3 U	3.2 U	1.9 U	2.1 U	NA	NA	NA	3.1 U	3 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.5 U	9 U	9.4 U	6.1 U	NA	NA	NA	8.8 U	8.6 U	9.4 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	30 U	32 U	19 U	31 U	NA	NA	NA	31 U	30 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	30 U	32 U	19 U	31 U	NA	NA	NA	31 U	30 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	165.2	184.4	176.4	142.5	118.34	153.6	189.1	191.2	189.3	209.4	144.85

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				06. Burn House										
Location ID:				07. Crash Fire Station										
				AA07MW-01							AA07MW-02			
Sample ID:				LORNG_MMW0017_	LORNG_AA07MW01	LORNG_AA07MW01	LORNG_AA07MW-	LORNG_AA07MW-	LORNG_AA07MW-	LORNG_AA07MW-	LORNG_AA07MW02	LORNG_AA07MW02	LORNG_AA07MW02	LORNG_AA07MW-
Sample Date:				10182024	05192022	09202022	01_06092023	01_11022023	01_06112024	01_10152024	05192022	09202022	09202022FD	02_06052023
Sample Depth (ft bgs):				16-26	9-19	9-19	9-19	9-19	9-19	9-19	41-51	41-51	41-51	41-51
Sample Type:				N	N	N	N	N	N	N	N	N	FD	N
Latitude:				46.92391085	46.94292043	46.94292043	46.94292043	46.94292043	46.94292043	46.94292043	46.94214672	46.94214672	46.94214672	46.94214672
Longitude:				-67.901908	-67.89017597	-67.89017597	-67.89017597	-67.89017597	-67.89017597	-67.89017597	-67.89056054	-67.89056054	-67.89056054	-67.89056054
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.6 J	422	367	280	330	311	364	43.3	118	119	60
Perfluoropentanoic acid (PFPeA)	-	-	-	14.5	1780	2990	1300	1400	1350	1470	157	443	449	220
Perfluorohexanoic acid (PFHxA)	990	-	-	17.5	1470	2340	1100	1000	1260	1050	157	509	516	250
Perfluoroheptanoic acid (PFHpA)	-	-	-	9.8	883	1600	740	840	789	845	61.4	195	198	90
Perfluorooctanoic acid (PFOA)	0.0027	4	-	13.6	1190	2340	1000	830	974	876	174	543	574	290
Perfluorononanoic acid (PFNA)	5.9	10	-	1.1 J	160	336	170	150	132	83.1	6.4	22.5	23.5	11
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	25.6	23	23	25	15.4	5.4	0.93 U	1.7 J	1.6 J	0.83 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	4.7	3.1 J	3.6	5 J	3.2 J	2.3 J	0.93 U	1.9 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	0.93 U	1.9 U	1 U	10 U	1.9 U	2.7 U	0.93 U	1.9 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	0.93 U	1.9 U	1 U	10 U	1.9 U	2.7 U	0.93 U	1.9 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	0.93 U	1.9 U	0.5 U	5 U	1.9 U	2.7 U	0.93 U	1.9 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.3 J	68.5	59.9	46	56	50.2	55.1	32.2	99	101	48
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4.2 J	115	103	100	94	101	97.9	46.4	142	153	90
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	63.2	2550	2440	2400	3000	2650	2730	476	1560	1760	920
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 J	99.5	122	93	83	75.8	71.4	19.2	70.5	73.3	29
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	74.3	6980	9490	6900	7500	4130	1970	683	2610	2510	1000
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	30.4 J	48.4	11	3.5 J	18.5 J	5.7 J	0.93 U	5.6	4.7	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	2.3 J	4.3	0.47 U	4.7 U	3.7 J	1.5 J	0.93 U	1.9 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4 U	NA	NA	1 U	10 U	3.8 U	5.3 U	NA	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	8.1 U	20.3	14.2	18 J	9.3 J	16.5 J	8 J	5.2 J	30.9	31.2	15
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	8.1 U	1420	1300	850	820	1170	1410	268	737 J	1030 J	670
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	8.1 U	353	250	250	340	175	80.3	40	121	117	59
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.1 J	385	885	300	430	205 J	166	19.2	64.3	67.3	32
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4 U	37 UJ	0 R	1 U	10 U	3.8 U	5.3 U	19 UJ	37 UJ	37 UJ	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4 U	NA	NA	1 U	10 U	3.8 U	5.3 U	NA	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	2.7 J	3.7 U	13 J	10 U	5.7	5.3 U	1.9 U	3.7 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	1.9 U	3.7 U	1 U	10 U	3.8 U	5.3 U	1.9 U	3.7 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	NA	NA	2.5 UJ	25 U	19 U	27 U	NA	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	NA	NA	5 UJ	50 U	19 U	27 U	NA	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	NA	NA	4 U	40 U	1.9 U	2.7 U	NA	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4 U	NA	NA	3.8 U	38 U	3.8 U	5.3 U	NA	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	NA	NA	2 U	20 U	1.9 U	2.7 U	NA	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4 U	NA	NA	0.5 U	5 U	3.8 U	5.3 U	NA	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4 U	NA	NA	60 U	600 U	3.8 U	5.3 U	NA	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4 U	NA	NA	6.6 U	66 U	3.8 U	5.3 U	NA	NA	NA	6.6 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4 U	NA	NA	6.6 U	66 U	3.8 U	5.3 U	NA	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	NA	NA	3.1 U	31 U	1.9 U	2.7 U	NA	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	10 U	NA	NA	4.6 J	88 U	9.6 U	13 U	NA	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	NA	NA	31 U	310 U	19 U	27 U	NA	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	NA	NA	31 U	310 U	19 U	27 U	NA	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	162	11788.6	16229	11233	12345	8690.4	6509.5	1400.8	4932.2	5067.1	2311.83

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				07. Crash Fire Station										
Location ID:				AA07MW-02							BW07001			
Sample ID:				LORNG_AA07MW-02_06052023FD	LORNG_AA07MW-02_11012023	LORNG_AA07MW-02_11012023FD	LORNG_AA07MW-02_06252024	LORNG_AA07MW-02_06252024FD	LORNG_AA07MW-02_10102024	LORNG_AA07MW-02_10102024FD	LORNG_BW07001_0_8022022	LORNG_BW07001_0_9272022	LORNG_BW07001_0_5172023	LORNG_BW07001_1_0272023
Sample Date:				6/5/2023	11/1/2023	11/1/2023	6/25/2024	6/25/2024	10/10/2024	10/10/2024	8/2/2022	9/27/2022	5/17/2023	10/27/2023
Sample Depth (ft bgs):				41-51	41-51	41-51	41-51	41-51	41-51	41-51	45-55	45-55	45-55	45-55
Sample Type:				FD	N	FD	N	FD	N	FD	N	N	N	N
Latitude:				46.94214672	46.94214672	46.94214672	46.94214672	46.94214672	46.94214672	46.94214672	46.9437321	46.9437321	46.9437321	46.9437321
Longitude:				-67.89056054	-67.89056054	-67.89056054	-67.89056054	-67.89056054	-67.89056054	-67.89056054	-67.8903788	-67.8903788	-67.8903788	-67.8903788
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	59	76	77	69	69.2	95.6	95.9	19.5	23.7	26	26
Perfluoropentanoic acid (PFPeA)	-	-	-	220	280	280	276	286	399	408	45.2	53.2	69	63
Perfluorohexanoic acid (PFHxA)	990	-	-	260	330	330	330	340	428	422	27.6	36.9	46	42
Perfluoroheptanoic acid (PFHpA)	-	-	-	87	110	110	113	115	160	159	20.9	28.7	35	36
Perfluorooctanoic acid (PFOA)	0.0027	4	-	280	390	400	362	347	402	405	24.3	33.8	42	43
Perfluorononanoic acid (PFNA)	5.9	10	-	11	16	15	12.9	13.3	19.2	20.6	4	3.9	7.3	9.7
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.9 J	9 U	9.3 U	0.81 J	1 J	1.4 J	1.4 J	2 U	1.9 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	4.5 U	4.7 U	2.3 U	2.1 U	2.2 U	2.3 U	2 U	1.9 U	0.5 U	0.51 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	9 U	9.3 U	2.3 U	2.1 U	2.2 U	2.3 U	2 U	1.9 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	9 U	9.3 U	2.3 U	2.1 U	2.2 U	2.3 U	2 U	1.9 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	4.5 U	4.7 U	2.3 U	2.1 U	2.2 U	2.3 U	2 U	1.9 U	0.5 U	0.51 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	48 J	61	62	59.5	60.6	85.6	88.2	5.1	7.6	12	7.4
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	88	82	88	94.6	96.9	121	125	8	11	19	13
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	920	1500	1400	1070	1090	1410	1330	79.7	106	160	160
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	30	31	34	39.2	39.7	57.5	55.8	3.4 J	3.4 J	4.1	4.1
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1000	1400	1400	1230	1100	1620	1560	94.9	84.7	180	220
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	8.5 U	8.8 U	2.3 J	1.7 J	2.2 U	2.3 U	2 U	1.9 U	0.94 U	0.95 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	4.2 U	4.4 U	2.3 U	2.1 U	2.2 U	2.3 U	2 U	1.9 U	0.47 U	0.48 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	9 U	9.3 U	4.5 U	4.2 U	4.4 U	4.7 U	NA	NA	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	14	26 J	28 J	17.3 J	20.3 J	18.4 J	20 J	4 U	3.7 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	670	1200	1200	894	877	983	1070	4 U	3.7 U	5.6 J	1.1 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	62	78	68	54.9	54.8	90.9	99.7	4 U	3.7 U	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	34	49	52	35.2	32.7 J	47.9	48	2 U	1.9 U	0.25 U	0.21 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	9 U	9.3 U	4.5 U	4.2 U	4.4 U	4.7 U	0 R	3.7 U	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	9 U	9.3 U	4.5 U	4.2 U	4.4 U	4.7 U	NA	NA	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	9 U	9.3 U	4.5 U	4.2 U	4.4 U	4.7 U	4 U	3.7 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	9 U	9.3 U	4.5 U	4.2 U	4.4 U	4.7 U	4 U	3.7 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	23 U	23 U	23 U	21 U	22 U	23 U	NA	NA	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	45 U	47 U	23 U	21 U	22 U	23 U	NA	NA	5 U	5.1 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	36 U	37 U	2.3 U	2.1 U	2.2 U	2.3 U	NA	NA	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	34 U	36 U	4.5 U	4.2 U	4.4 U	4.7 U	NA	NA	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	18 U	19 U	2.3 U	2.1 U	2.2 U	2.3 U	NA	NA	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	4.5 U	4.7 U	4.5 U	4.2 U	4.4 U	4.7 U	NA	NA	0.5 U	0.51 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	540 U	560 U	4.5 U	4.2 U	4.4 U	4.7 U	NA	NA	60 U	61 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	60 U	62 U	4.5 U	4.2 U	4.4 U	4.7 U	NA	NA	6.6 U	6.7 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	60 U	62 U	4.5 U	4.2 U	4.4 U	4.7 U	NA	NA	6.6 U	6.7 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	28 U	29 U	2.3 U	2.1 U	2.2 U	2.3 U	NA	NA	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	79 U	82 U	11 U	10 U	11 U	12 U	NA	NA	8.8 U	8.9 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	280 U	290 U	23 U	21 U	22 U	23 U	NA	NA	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	280 U	290 U	23 U	21 U	22 U	23 U	NA	NA	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	2298.9	3416	3325	2788.71	2666.3	3612.6	3476	223.8	257.1	424.3	468.7

Notes

See Table 1-1 for notes and Table 1-3 for information about screening levels.

* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				07. Crash Fire Station										
Location ID:				BW07001				BW07002				BW07003		
Sample ID:				LORNG_BW07001_0	LORNG_BW07001_1	LORNG_BW07002_0	LORNG_BW07002_0	LORNG_BW07002_0	LORNG_BW07002_1	LORNG_BW07002_0	LORNG_BW07002_1	LORNG_BW07003_0	LORNG_BW07003_0	LORNG_BW07003_0
Sample Date:				5232024	0042024	7262022	9272022	5172023	0272023	5232024	0042024	7262022	9272022	6062023
Sample Depth (ft bgs):				5/23/2024	10/4/2024	7/26/2022	9/27/2022	5/17/2023	10/27/2023	5/23/2024	10/4/2024	7/26/2022	9/27/2022	6/6/2023
Sample Type:				45-55	45-55	44-54	44-54	44-54	44-54	44-54	44-54	40-50	40-50	40-50
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.9437321	46.9437321	46.9429718	46.9429718	46.9429718	46.9429718	46.9429718	46.9429718	46.942621	46.942621	46.942621
				-67.8903788	-67.8903788	-67.8900472	-67.8900472	-67.8900472	-67.8900472	-67.8900472	-67.8900472	-67.8917372	-67.8917372	-67.8917372
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	18	19.7	18.3	12.8	19	16	15.9	12.3 J	80.5	96.1	85
Perfluoropentanoic acid (PFPeA)	-	-	-	38.3	42.1	57.6	37.5	60	52	48.9	35.4	339	376	320
Perfluorohexanoic acid (PFHxA)	990	-	-	26.5	29.8	48.4	38.4	64	45	40.6	36.8	235 J	331	260
Perfluoroheptanoic acid (PFHpA)	-	-	-	20.3	24.7	21.6	16.7	25	23	20.7	17.9	134	162	120
Perfluorooctanoic acid (PFOA)	0.0027	4	-	26.2	29.2	46.1	41	63	40	41.8	33	256	318	200
Perfluorononanoic acid (PFNA)	5.9	10	-	5	4.3	2.2 J	1.8 J	2.7	2.8	2.3 J	2 J	26.8	39.9	24
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.9 U	1.8 U	1.9 U	1 U	1 U	1.8 U	1.9 U	1.4 J	1.3 J	1.2 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.9 U	1.8 U	1.9 U	0.5 U	0.52 U	1.8 U	1.9 U	2 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.9 U	1.8 U	1.9 U	1 U	1 U	1.8 U	1.9 U	2 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.9 U	1.8 U	1.9 U	1 U	1 U	1.8 U	1.9 U	2 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.9 U	1.8 U	1.9 U	0.5 U	0.52 U	1.8 U	1.9 U	2 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	5.4	5.4	11	7.4	9.9	8.2	8.9	5.8	84	98.8	79
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	8.8	9.1	11.5	8.8	13	9.6	10.4	8	122	151 J	100
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	93.4	110	168	158	270	170	200	152	957	1210	890
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	3.5 J	4.2	6.2	4.5	3.6	3.1	6.1	5	74	90.1	82
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	126	106	121	94.6	130	130	116	105	3440	4040	2500
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.9 U	1.8 U	1.9 U	0.94 U	0.98 U	1.8 U	1.9 U	2 U	1.9 U	0.47 J
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.9 U	1.8 U	1.9 U	0.47 U	0.49 U	1.8 U	1.9 U	2 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.7 U	3.7 U	NA	NA	1 U	1 U	3.6 U	3.7 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.4 U	7.5 U	3.6 U	3.7 U	1.9 U	2 U	7.3 U	7.4 U	11.1	10.1	8.2
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.4 U	7.5 U	51.3	21.6	21	26	34.5	16.9 J	493	525	510
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.4 U	7.5 U	3.6 U	3.7 U	3.8 U	4 U	7.3 U	7.4 U	107	109	100
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.2 J	1.9 U	2.6 J	3.1 J	3.7	2.6 J	2.8 J	2.4 J	2 U	3.2 J	4.9 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	3.7 U	18 UJ	3.7 U	1 U	1 U	3.6 U	3.7 U	4 U	74 UJ	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.7 U	3.7 U	NA	NA	1 U	1 U	3.6 U	3.7 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	3.7 U	3.6 U	3.7 U	1 U	1 U	3.6 U	3.7 U	4 U	3.7 U	1 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	3.7 U	3.6 U	3.7 U	1 U	1 U	3.6 U	3.7 U	4 U	3.7 U	1 UJ
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	19 U	NA	NA	2.5 U	2.6 U	18 U	19 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	19 U	NA	NA	5 U	5.2 U	18 U	19 U	NA	NA	5 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	1.9 U	NA	NA	4 U	4.2 U	1.8 U	1.9 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.7 U	3.7 U	NA	NA	3.8 U	4 U	3.6 U	3.7 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.9 U	NA	NA	2 U	2.1 U	1.8 U	1.9 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.7 U	3.7 U	NA	NA	0.5 U	0.52 U	3.6 U	3.7 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.7 U	3.7 U	NA	NA	60 U	63 U	3.6 U	3.7 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.7 U	3.7 U	NA	NA	6.6 U	6.9 U	3.6 U	3.7 U	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.7 U	3.7 U	NA	NA	6.6 U	6.9 U	3.6 U	3.7 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	1.9 U	NA	NA	3.1 U	3.2 U	1.8 U	1.9 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.3 U	9.3 U	NA	NA	8.8 U	9.2 U	9.1 U	9.3 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	19 U	NA	NA	31 U	32 U	18 U	19 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	19 U	NA	NA	31 U	32 U	18 U	19 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	270.9	274.2	358.9	312.1	490.7	365.8	380.8	309.9	4815.2	5771.2	3735.2

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				07. Crash Fire Station										
Location ID:				BW07003			JBW7347B							
Sample ID:				LORNG_BW07003_1	LORNG_BW07003_0	LORNG_BW07003_1	LORNG_JBW7347B_	LORNG_JBW7347B_	LORNG_JBW7347B_	LORNG_JBW7347B_	LORNG_JBW7347B_	LORNG_JBW7347B_	LORNG_JBW7347B_	LORNG_JBW7347B_
Sample Date:				1012023	6112024	0142024	05062022	09192022	05222023	05222023FD	10182023	10182023FD	05132024	05132024FD
Sample Depth (ft bgs):				11/1/2023	6/11/2024	10/14/2024	5/6/2022	9/19/2022	5/22/2023	5/22/2023	10/18/2023	10/18/2023	5/13/2024	5/13/2024
Sample Type:				40-50	40-50	40-50	23-33	23-33	23-33	23-33	23-33	23-33	23-33	23-33
Latitude:				N	N	N	N	N	N	FD	N	FD	N	FD
Longitude:				46.942621	46.942621	46.942621	46.94000141	46.94000141	46.94000141	46.94000141	46.94000141	46.94000141	46.94000141	46.94000141
				-67.8917372	-67.8917372	-67.8917372	-67.89336485	-67.89336485	-67.89336485	-67.89336485	-67.89336485	-67.89336485	-67.89336485	-67.89336485
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	110	71.1	78.6	3.1 J	2.5 J	3.4 J	3.5 J	2.8 J	2.6 J	4.9 J	4.6 J
Perfluoropentanoic acid (PFPeA)	-	-	-	420	305	321 J	2 J	2.7 J	4.8	5.2	2.9 J	2.9 NJ	10.4	10
Perfluorohexanoic acid (PFHxA)	990	-	-	340	235	251	2.4 J	2.8 J	4.6	4.8	2.9 J	2.3 J	10.6	10.3
Perfluoroheptanoic acid (PFHpA)	-	-	-	160	119	137	1.3 J	2.1 J	2.4	2.6	1.5 J	1.5 J	4.9	4.9
Perfluorooctanoic acid (PFOA)	0.0027	4	-	300	186	193	2.4 J	4.4	5.5	6	3.5 J	3.5 J	8.7	8.8
Perfluorononanoic acid (PFNA)	5.9	10	-	38	21	25.7	0.93 U	1.9 U	0.27 J	0.3 J	0.41 J	0.44 J	1.9 U	1.8 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	10 U	1.5 J	2 UJ	0.93 U	1.9 U	1 U	1 U	1 UJ	1 UJ	1.9 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	5.2 U	1.9 U	2 U	0.93 U	1.9 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	1.9 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	10 U	1.9 U	2 U	0.93 U	1.9 U	1 U	1 U	1 UJ	1 UJ	1.9 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	10 U	1.9 U	2 U	0.93 U	1.9 U	1 U	1 U	1 UJ	1 UJ	1.9 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	5.2 U	1.9 U	2 U	0.93 U	1.9 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	1.9 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	95	69.8	67.6	0.93 U	1.1 J	1.6	1.7	0.97 J	1 J	2 J	1.9 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	160	110	125	0.97 J	1.5 J	2	2	0.9 J	0.93 J	3 J	2.4 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1400	873	1040	11.3	18.2	31	32	14 J	14 J	42.4	41.8
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	97	54.3	55.7	0.93 U	1.9 U	0.36 J	0.33 J	0.24 J	0.24 J	0.87 J	0.85 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	4800	2210	3010	8.8	13.8	16	16	14 J	15 J	17	16.5
Perfluorononanesulfonic acid (PFNS)	-	-	-	9.7 U	4.8	4.5	0.93 U	1.9 U	0.94 U	0.94 U	0.94 UJ	0.94 UJ	1.9 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	4.8 U	1.9 U	2 U	0.93 U	1.9 U	0.47 U	0.47 U	0.47 UJ	0.47 UJ	1.9 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	10 U	3.8 U	4 U	NA	NA	1 U	1 U	1 UJ	1 UJ	3.7 U	3.6 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	13 J	5.6 J	4.3 J	1.9 U	3.7 U	1.9 U	1.9 U	1.9 UJ	1.9 UJ	7.4 U	7.2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	810	429	446	2.1 J	3.7 U	1.9 U	1.9 U	2.3 J	4.2 J	7.4 U	7.2 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	180	95.7	76.6	1.9 U	3.7 U	3.8 U	3.8 U	3.8 UJ	3.8 UJ	7.4 U	7.2 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	9.6 J	3.8 J	2.5 J	0.93 U	1.9 U	0.25 U	0.21 J	0.53 UJ	0.51 UJ	1.9 U	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	10 U	3.8 U	4 U	1.9 U	3.7 UJ	1 U	1 U	1 UJ	1 UJ	3.7 U	3.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	10 U	3.8 U	4 U	NA	NA	1 U	1 U	1 UJ	1 UJ	3.7 UJ	3.6 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	10 U	3.8 U	4 U	1.9 U	3.7 U	1 U	1 U	1 UJ	1 UJ	3.7 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	10 U	3.8 U	4 U	1.9 U	3.7 U	1 U	1 U	1 UJ	1 UJ	3.7 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	26 U	19 U	20 U	NA	NA	2.5 U	2.5 U	2.5 UJ	2.5 UJ	19 U	18 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	52 U	19 U	20 U	NA	NA	5 U	5 U	5 UJ	5 UJ	19 U	18 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	41 U	1.9 U	2 U	NA	NA	4 U	4 U	4 UJ	4 UJ	1.9 U	1.8 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	39 U	3.8 U	4 U	NA	NA	3.8 U	3.8 U	3.8 UJ	3.8 UJ	3.7 U	3.6 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	20 U	1.9 U	2 UJ	NA	NA	2 U	2 U	2 UJ	2 UJ	1.9 U	1.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	5.2 U	3.8 U	4 U	NA	NA	0.5 U	0.5 U	0.5 UJ	0.5 UJ	3.7 U	3.6 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	620 U	3.8 U	4 U	NA	NA	60 U	60 U	60 UJ	60 UJ	3.7 U	3.6 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	68 U	3.8 U	4 U	NA	NA	6.6 U	6.6 U	6.6 UJ	6.6 UJ	3.7 U	3.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	68 U	3.8 U	4 U	NA	NA	6.6 U	6.6 U	6.6 UJ	6.6 UJ	3.7 U	3.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	32 U	1.9 U	2 U	NA	NA	3.1 U	3.1 U	3.1 UJ	3.1 UJ	1.9 U	1.8 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	91 U	9.4 U	10 UJ	NA	NA	8.8 U	8.8 U	8.8 UJ	8.8 UJ	9.3 U	9 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	320 U	19 U	20 U	NA	NA	31 U	31 U	31 UJ	31 UJ	19 U	18 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	320 U	19 U	20 U	NA	NA	31 U	31 U	31 UJ	31 UJ	19 U	18 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	6698	3410.5	4405.7	23.8	38.5	55.17	56.9	33.41	34.44	73	72

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				07. Crash Fire Station										
Location ID:				JBW7347B								JMW1565		
Sample ID:				LORNG_JBW7347B_	LORNG_JBW7347B_	LORNG_JBW7710B_	LORNG_JBW7710B_	LORNG_JBW7710_0	LORNG_JBW7710_1	LORNG_JBW7710_0	LORNG_JBW7710_0	LORNG_JMW1565_0	LORNG_JMW1565_0	LORNG_JMW1565_0
Sample Date:				10092024	10092024FD	05092022	09202022	5122023	0202023	5162024	9262024	5192022	9202022	5252023
Sample Depth (ft bgs):				10/9/2024	10/9/2024	5/9/2022	9/20/2022	5/12/2023	10/20/2023	5/16/2024	9/26/2024	5/19/2022	9/20/2022	5/25/2023
Sample Type:				23-33	23-33	46-56	46-56	46-56	46-56	46-56	46-56	34-44	34-44	34-44
Latitude:				N	FD	N	N	N	N	N	N	N	N	N
Longitude:				46.94000141	46.94000141	46.94238231	46.94238231	46.94238231	46.94238231	46.94238231	46.94238231	46.94157405	46.94157405	46.94157405
				-67.89336485	-67.89336485	-67.89675731	-67.89675731	-67.89675731	-67.89675731	-67.89675731	-67.89675731	-67.88953614	-67.88953614	-67.88953614
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.9 J	3 J	7.6	9.1	7	4.3 J	6.9 J	10.9 J	12.2	97.5 J	11
Perfluoropentanoic acid (PFPeA)	-	-	-	5	5.4	13.3	13.2	14	11	11.3	13.3	16.8	500	40
Perfluorohexanoic acid (PFHxA)	990	-	-	4.8	5.1	12.3	11.2	13	11	10.9	10.9	15.2	320	36
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.2	2.5	5.9	6	6.1	4.7	4.9	5.9	12.7	133	25
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.6	6.5	11.5	11	11	9.8	9.5	8.1	17.7	138	33
Perfluorononanoic acid (PFNA)	5.9	10	-	0.37 J	0.37 J	0.86 U	1.2 J	0.8 J	0.61 J	2.1 U	0.73 J	3.8 J	14.1	4.3
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.82 U	0.78 U	0.86 U	2 U	1 U	1 U	2.1 U	2.3 U	1.1 U	2 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.2 U	1.2 U	0.86 U	2 U	0.5 U	0.5 U	2.1 U	2.3 U	1.1 U	2 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.82 U	0.78 U	0.86 U	2 U	1 U	1 U	2.1 U	2.3 U	1.1 U	2 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.2 U	1.2 U	0.86 U	2 U	1 U	1 U	2.1 U	2.3 U	1.1 U	2 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.82 U	0.78 U	0.86 U	2 U	0.5 U	0.5 U	2.1 U	2.3 U	1.1 UJ	2 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.6	1.8	3 J	2.9 J	3.2	2.7	2.5 J	2.7 J	3.7 J	36.3	5.6
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.1	2.3	4.3	4.1	4.2	3.5	3.5 J	3.7 J	3.8 J	36.3	6.5
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	36	39	47.7	46.1	52	45	43	42.2	50.8	315	110
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.56 J	0.57 J	1.6 J	1.7 J	0.82 J	0.88 J	1.1 J	1.1 J	1.1 U	5.7	1.3 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	24	25	47.8	46.2	48	47	39.1	39.2	31.5	145	47
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.1 U	1.1 U	0.86 U	2 U	0.94 U	0.94 U	2.1 U	2.3 U	1.1 U	2 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.1 U	1.1 U	0.86 U	2 U	0.47 U	0.47 U	2.1 U	2.3 U	1.1 U	2 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.82 U	0.78 U	NA	NA	1 U	1 U	4.3 U	4.7 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.1 U	2.9 U	1.7 U	4 U	1.9 U	1.9 U	8.5 U	9.3 U	2.1 U	4 J	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.1 U	3 U	7.4	9.3	7	2.4 J	8.5 U	12.2 J	2.1 U	36.1	2.9 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4.5 U	4.3 U	1.7 U	4 U	3.8 U	3.8 U	8.5 U	9.3 U	2.1 U	4 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.22 J	0.31 J	0.86 U	2 U	0.61 J	0.43 UJ	2.1 U	2.3 U	1.1 U	2 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1.2 U	1.2 U	1.7 U	0 R	1 U	1 U	4.3 U	4.7 U	0 R	0 R	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1.2 U	1.2 U	NA	NA	1 U	1 U	4.3 U	4.7 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.2 U	1.2 U	1.7 U	4 U	1 U	1 U	4.3 U	4.7 U	2.1 U	4 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.82 U	0.78 U	1.7 U	4 U	1 U	1 U	4.3 U	4.7 U	2.1 U	4 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	8.2 U	7.8 U	NA	NA	2.5 U	2.5 U	21 UJ	23 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	8.2 U	7.8 U	NA	NA	5 U	5 U	21 UJ	23 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.2 U	3.1 U	NA	NA	4 U	4 U	2.1 U	2.3 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.1 U	2.9 U	NA	NA	3.8 U	3.8 U	4.3 U	4.7 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.8 U	2.7 U	NA	NA	2 U	2 U	2.1 U	2.3 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	1.2 U	1.2 U	NA	NA	0.5 U	0.5 U	4.3 U	4.7 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	24 U	23 U	NA	NA	60 U	60 U	4.3 U	4.7 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.1 U	2.9 U	NA	NA	6.6 U	6.6 U	4.3 U	4.7 U	NA	NA	6.6 U
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	2.2 U	2.1 U	NA	NA	6.6 U	6.6 U	4.3 U	4.7 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	1.9 U	NA	NA	3.1 U	3.1 U	2.1 U	2.3 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	5.9 U	5.7 U	NA	NA	8.8 U	8.8 U	11 U	12 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	30 U	28 U	NA	NA	31 U	31 U	21 U	23 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	30 U	28 U	NA	NA	31 U	31 U	21 U	23 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	68.17	73.37	112.9	110.5	117.9	107.11	96.5	96.13	116.5	745.1	219.3

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				07. Crash Fire Station										
Location ID:				JMW1565			JPZ1780					OW07001		
Sample ID:				LORNG_JMW1565_1	LORNG_JMW1565_0	LORNG_JMW1565_1	LORNG_JPZ1780_05	LORNG_JPZ1780_09	LORNG_JPZ1780_05	LORNG_JPZ1780_10	LORNG_JPZ1780_05	LORNG_JPZ1780_09	LORNG_OW07001_0	LORNG_OW07001_1
Sample Date:				0262023	6042024	0222024	062022	182022	232023	252023	172024	262024	8022022	0042022
Sample Depth (ft bgs):				10/26/2023	6/4/2024	10/22/2024	5/6/2022	9/18/2022	5/23/2023	10/25/2023	5/17/2024	9/26/2024	8/2/2022	10/4/2022
Sample Type:				34-44	34-44	34-44	19-29	19-29	19-29	19-29	19-29	19-29	15-25	15-25
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.94157405	46.94157405	46.94157405	46.93460613	46.93460613	46.93460613	46.93460613	46.93460613	46.93460613	46.9437158	46.9437158
				-67.88953614	-67.88953614	-67.88953614	-67.89537105	-67.89537105	-67.89537105	-67.89537105	-67.89537105	-67.89537105	-67.8903561	-67.8903561
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	29	1210	203	5.3 J	6.2 J	6.1 J	5.3 J	5.4 J	4.6 J	90.4	89.1
Perfluoropentanoic acid (PFPeA)	-	-	-	85	207	612	10.4	10.2	11	8.7	8.3	6 J	292	239
Perfluorohexanoic acid (PFHxA)	990	-	-	78	165	411	11.8	11.2	14	10	9.9	7.7	175	164
Perfluoroheptanoic acid (PFHpA)	-	-	-	56	101	170	6.1	6.2	7.3	6.2	5.5	4.2	144	138
Perfluorooctanoic acid (PFOA)	0.0027	4	-	75	127	124	9.8	11.9	12	11	9.3	7.9	156	147
Perfluorononanoic acid (PFNA)	5.9	10	-	13	16.9	13.2	0.86 U	2.2 U	0.83 J	0.73 J	0.57 J	1 J	47.1	32.6
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	2 U	2.5 U	0.86 U	2.2 U	1 U	0.98 U	1.8 U	1.9 UJ	3.2 J	1.5 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.52 U	2 U	2.5 U	0.86 U	2.2 U	0.5 U	0.49 U	1.8 U	1.9 UJ	2 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	2 U	2.5 U	0.86 U	2.2 U	1 U	0.98 U	1.8 U	0 R	2 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	2 U	2.5 U	0.86 U	2.2 U	1 U	0.98 U	1.8 U	0 R	2 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.52 U	2 U	2.5 U	0.86 U	2.2 U	0.5 U	0.49 U	1.8 U	0 R	2 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	6.3	17.1	50.8	2.2 J	2.5 J	2.8	2.4	2.3 J	2 J	84.8	77.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	7.4	15.2	45.4	3.2 J	3.4 J	3.4	3.2	2.9 J	4.3 J	121	109
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	120	222	283	59.1	59.1	77	69	63.8	50.5	808	757
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.7	4	5.4	0.95 J	2.2 U	0.61 J	0.67 J	1 J	1.9 UJ	114	83
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	69	110	125	32.6	48.6	38	44	32.3	37.4 J	5280	3150
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.98 U	2 U	2.5 U	0.86 U	2.2 U	0.94 U	0.92 U	1.8 U	1.9 UJ	18 J	6.9 J
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.49 U	2 UJ	2.5 U	0.86 U	2.2 U	0.47 U	0.46 U	1.8 U	1.9 UJ	2 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	3.9 U	5 U	NA	NA	1 U	0.98 U	3.5 U	3.8 UJ	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	2 U	7.8 U	4.7 J	1.7 U	4.3 U	1.9 U	1.9 U	7.1 U	7.6 U	4 U	3.5 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4.9 J	16.9 J	48	1.7 U	4.3 U	1.9 U	1.9 U	7.1 U	7.6 U	75	76.3
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4 U	7.8 U	10 U	1.7 U	4.3 U	3.8 U	3.7 U	7.1 U	7.6 U	3.8 J	3 J
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.39 J	1.5 J	2.9 J	0.86 U	2.2 U	0.35 J	0.48 J	1.8 U	1.9 UJ	2.8 J	3 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	3.9 U	5 U	8.6 U	4.3 UJ	1 U	0.98 U	3.5 U	3.8 U	0 R	3.5 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	3.9 U	5 U	NA	NA	1 U	0.98 U	3.5 U	0 R	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	3.9 U	5 U	1.7 U	4.3 U	1 U	0.98 U	3.5 U	3.8 UJ	4 U	3.5 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	3.9 U	5 U	1.7 U	4.3 U	1 U	0.98 U	3.5 U	3.8 UJ	4 U	3.5 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.6 U	20 UJ	25 U	NA	NA	2.5 U	2.4 U	18 UJ	0 R	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5.2 U	20 UJ	25 U	NA	NA	5 U	4.9 U	18 UJ	0 R	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4.2 U	2 U	2.5 U	NA	NA	4 U	3.9 U	1.8 U	1.9 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4 U	3.9 U	5 U	NA	NA	3.8 U	3.7 U	3.5 U	3.8 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.1 U	2 U	2.5 U	NA	NA	2 U	2 U	1.8 U	1.9 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.52 U	3.9 U	5 U	NA	NA	0.5 U	0.49 U	3.5 U	3.8 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	62 U	3.9 U	5 U	NA	NA	60 U	59 U	3.5 U	3.8 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.9 U	3.9 U	5 U	NA	NA	6.6 U	6.4 U	3.5 U	3.8 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.9 U	3.9 U	5 U	NA	NA	6.6 U	6.4 U	3.5 U	3.8 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.2 U	2 U	2.5 U	NA	NA	3.1 U	3 U	1.8 U	1.9 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.2 U	9.8 U	13 U	NA	NA	8.8 U	8.6 U	8.8 U	9.5 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	32 U	20 U	25 U	NA	NA	31 U	30 U	18 U	19 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	32 U	20 U	25 U	NA	NA	31 U	30 U	18 U	19 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	333	576.9	715.2	107.6	125.8	135.13	130.93	111.47	101	6438.3	4226.1

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				07. Crash Fire Station										
Location ID:				OW07001				OW07002				OW07003		
Sample ID:				LORNG_OW07001_0	LORNG_OW07001_1	LORNG_OW07001_0	LORNG_OW07001_1	LORNG_OW07002_0	LORNG_OW07002_0	LORNG_OW07002_0	LORNG_OW07002_1	LORNG_OW07002_0	LORNG_OW07002	LORNG_OW07003_0
Sample Date:				6062023	1022023	6242024	0172024	7262022	9302022	5172023	1012023	6042024	0092024	8232022
Sample Depth (ft bgs):				6/6/2023	11/2/2023	6/24/2024	10/17/2024	7/26/2022	9/30/2022	5/17/2023	11/1/2023	6/4/2024	10/9/2024	8/23/2022
Sample Type:				15-25	15-25	15-25	15-25	16-26	16-26	16-26	16-26	16-26	16-26	15-25
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.9437158	46.9437158	46.9437158	46.9437158	46.943633	46.943633	46.943633	46.943633	46.943633	46.943633	46.9426461
				-67.8903561	-67.8903561	-67.8903561	-67.8903561	-67.8913125	-67.8913125	-67.8913125	-67.8913125	-67.8913125	-67.8913125	-67.8917398
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	220	300 J	21.1	85.2	25.7	17.7	41	39	21.4	19	93.9
Perfluoropentanoic acid (PFPeA)	-	-	-	700	950	50.1	268	76.2	40	140	110	59	44	375
Perfluorohexanoic acid (PFHxA)	990	-	-	540	640	37.1	206	50.7	29.2	91	68	44.3	29	289
Perfluoroheptanoic acid (PFHpA)	-	-	-	370	520	27.7	154	37.9	25.5	85	62	30.9	23	150
Perfluorooctanoic acid (PFOA)	0.0027	4	-	520	520	31	167	43.3	28.4	70	64	40.2	28	283
Perfluorononanoic acid (PFNA)	5.9	10	-	170	180	6.9	35.7	8.5	6.4	15	15	7.8	6.5	29.2
Perfluorodecanoic acid (PFDA)	0.004	-	-	11	77 U	1.9 U	1.2 J	2 U	1.8 U	1 U	0.35 J	1.8 U	0.79 U	1.3 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.65 J	38 U	1.9 U	2 U	2 U	1.8 U	0.5 U	0.54 U	1.8 U	1.2 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	77 U	1.9 U	2 U	2 U	8.9 U	1 U	1.1 U	1.8 U	0.79 U	9.3 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	77 U	1.9 U	2 U	2 U	8.9 U	1 U	1.1 U	1.8 U	1.2 U	9.3 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1 U	38 U	1.9 U	2 U	10 U	8.9 U	0.5 U	0.54 U	1.8 U	0.79 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	300	300	8.4	110	13.1	6	16	15	9.9	6	85.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	450	410	12	209	19.4	10.5	27	30	13.6	8.6	118
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	3200	3500	115	1290	145	106	240	250	162	100	1090
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	240	200	4.3	95.3	5.9	5	7.9	9.2	5.4	2.6	93.9 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	15000	18000	126	2140	238	201	480	360	210	130	3410
Perfluorononanesulfonic acid (PFNS)	-	-	-	15 J	72 U	1.9 U	5.9	2 U	1.8 U	0.94 U	1 U	1.8 U	1.1 U	1.9 UJ
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.94 U	36 U	1.9 U	2 U	2 U	1.8 U	0.47 U	0.5 U	1.8 UJ	1.1 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	2 U	77 U	3.7 U	4 U	NA	NA	1 U	1.1 U	3.6 U	0.79 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.1 J	150 U	7.4 U	80 U	4 U	3.6 U	1.9 UJ	1.8 U	7.3 U	3 U	11.2
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	460	320 J	7.4 U	139	5.3 J	3.6 U	33	11	7.3 U	1.5 J	476
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	9.9 J	290 U	7.4 U	8 U	5 J	2.6 J	2.5 J	3.9 J	7.3 U	4.4 U	104
Perfluorooctane sulfonamide (PFOSA)	-	-	-	8.2 J	17 J	1.9 U	3.1 J	10 U	1.8 U	0.5 J	0.68 J	1.8 U	0.22 J	4.6
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	2 UJ	77 U	3.7 U	4 U	4 UJ	18 UJ	1 U	1.1 U	3.6 U	1.2 U	19 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	2 UJ	77 U	3.7 U	4 U	NA	NA	1 U	1.1 U	3.6 U	1.2 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	2 UJ	77 U	3.7 U	4 U	4 U	3.6 U	1 U	1.1 U	3.6 U	1.2 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	2 UJ	77 U	3.7 U	4 U	4 U	3.6 U	1 U	1.1 U	3.6 U	0.79 U	19 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	5 UJ	190 U	19 U	20 U	NA	NA	2.5 U	2.7 U	18 UJ	7.9 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	10 UJ	380 U	19 U	20 U	NA	NA	5 U	5.4 U	18 UJ	7.9 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	8 U	310 U	1.9 U	2 U	NA	NA	4 U	4.3 U	1.8 U	3.1 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	7.6 U	290 U	3.7 U	4 U	NA	NA	3.8 U	4.1 U	3.6 U	3 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	4 U	150 U	1.9 U	2 U	NA	NA	2 U	1.9 U	1.8 U	2.7 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	1 U	38 U	3.7 U	4 U	NA	NA	0.5 U	0.46 U	3.6 U	1.2 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	120 U	4600 U	3.7 U	4 U	NA	NA	60 U	64 U	3.6 U	23 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	13 U	510 U	3.7 U	4 U	NA	NA	6.6 U	7.1 U	3.6 U	3 U	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	13 U	510 U	3.7 U	4 U	NA	NA	6.6 U	7.1 U	3.6 U	2.2 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	6.2 U	240 U	1.9 U	2 U	NA	NA	3.1 U	3.3 U	1.8 U	2 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	18 U	680 U	9.3 U	10 U	NA	NA	8.8 U	8.2 U	9.1 U	5.7 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	62 U	2400 U	19 U	20 U	NA	NA	31 U	33 U	18 U	29 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	62 U	2400 U	19 U	20 U	NA	NA	31 U	33 U	18 U	29 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	19271	22720	306.6	3787.9	472.7	367.3	890	751.35	450.9	287.5	4963.5

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				07. Crash Fire Station					08. Arch Hangar					
Location ID:				OW07003					BW08003					
Sample ID:				LORNG_OW07003_1	LORNG_OW07003_0	LORNG_OW07003_1	LORNG_OW07003_0	LORNG_OW07003_1	LORNG_BW08003_0	LORNG_BW08003_1	LORNG_BW08003_0	LORNG_BW08003_1	LORNG_BW08003_0	LORNG_BW08003_1
Sample Date:				0022022	6062023	1012023	6112024	0112024	8032022	0012022	6062023	0262023	5212024	0162024
Sample Depth (ft bgs):				10/2/2022	6/6/2023	11/1/2023	6/11/2024	10/11/2024	8/3/2022	10/1/2022	6/6/2023	10/26/2023	5/21/2024	10/16/2024
Sample Type:				15-25	15-25	15-25	15-25	15-25	85-105	85-105	85-105	85-105	85-105	85-105
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.9426461	46.9426461	46.9426461	46.9426461	46.9426461	46.9402696	46.9402696	46.9402696	46.9402696	46.9402696	46.9402696
Analyte				-67.8917398	-67.8917398	-67.8917398	-67.8917398	-67.8917398	-67.890499	-67.890499	-67.890499	-67.890499	-67.890499	-67.890499
USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	85.1	90	95	80.6	96.7	17.5	16.3	10	13	7.7 J	7.1 J
Perfluoropentanoic acid (PFPeA)	-	-	-	345	400	380	344	382	48.8	35.7	23	30	15.7	14.1
Perfluorohexanoic acid (PFHxA)	990	-	-	282	330	320	279	337	46	34.4	20	29	14.9	14
Perfluoroheptanoic acid (PFHpA)	-	-	-	144	160	150	142	152	19.3	18.1	8.1	11	5.4	7.5
Perfluorooctanoic acid (PFOA)	0.0027	4	-	278	250	280	225	291	45.5	38.3	15	18	9.2	13.8
Perfluorononanoic acid (PFNA)	5.9	10	-	26.3	29	38	30.1	29.2	2.1 J	2.3 J	0.74 J	0.63 J	1.8 U	0.99 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.3 J	1.3 J	9.4 U	1.4 J	1.6 J	2 U	1.8 U	1 U	0.93 U	1.8 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	0.5 U	4.7 U	1.9 U	1.8 U	2 U	1.8 U	0.5 U	0.46 U	1.8 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	18 UJ	1 U	9.4 U	1.9 U	1.8 U	2 UJ	1.8 U	1 U	0.93 U	1.8 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	18 UJ	1 U	9.4 U	1.9 U	1.8 U	2 UJ	1.8 U	1 U	0.93 U	1.8 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	0.5 U	4.7 U	1.9 U	1.8 U	2 UJ	8.9 U	0.5 U	0.46 U	1.8 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	87.8	87	93	83.8	92.1	5.9	5.6	2.2	3.2	1.5 J	1.9 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	129	140	150	142	154	6.4	6	2	3.2	1.6 J	2.7 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1080	1200	1400	1150	1310	141	108	45	73	32	49.4
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	67.7	89	69	72.6	91.5	2.3 J	1.8 U	0.34 J	0.3 J	1.8 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	3420	3500	3900	2650	2980	53.7	28.6	13	12	5.8	18.2
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	0.35 J	8.9 U	1.9 U	6.8	2 U	1.8 U	0.94 U	0.87 U	1.8 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	0.47 U	4.4 U	1.9 U	1.8 U	2 U	1.8 U	0.47 U	0.44 U	1.8 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	9.4 U	3.7 U	3.6 U	NA	NA	1 U	0.93 U	3.6 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	11.5	9.4	10 J	8 J	10.5 J	4 U	3.6 U	1.9 U	1.8 U	7.2 U	7.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	457	710	820	560	618	4.2 J	3.6 U	8	2 J	7.2 U	7.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	88.6	120	150	113	105	4 U	3.6 U	3.8 U	3.5 U	7.2 U	7.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	4.3	5.8 J	6.1 J	4.2 J	5.1 J	1.1 J	1.8 U	0.37 J	0.23 U	1.8 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	36 U	1 U	9.4 U	3.7 U	3.6 U	0 R	18 U	1 U	0.93 U	3.6 UJ	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	9.4 U	3.7 U	3.6 U	NA	NA	1 U	0.93 U	3.6 U	3.8 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	1 UJ	9.4 U	3.7 U	3.6 U	4 U	3.6 U	1 U	0.93 U	3.6 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	1 U	9.4 U	3.7 U	3.6 U	4 U	3.6 U	1 U	0.93 U	3.6 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 UJ	24 U	19 U	18 U	NA	NA	2.5 U	2.3 U	18 UJ	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 UJ	47 U	19 U	18 U	NA	NA	5 U	4.6 U	18 UJ	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	38 U	1.9 U	1.8 U	NA	NA	4 U	3.7 U	1.8 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	36 U	3.7 U	3.6 U	NA	NA	3.8 U	3.5 U	3.6 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	19 U	1.9 U	1.8 U	NA	NA	2 U	1.9 U	1.8 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	4.7 U	3.7 U	3.6 U	NA	NA	0.5 U	0.46 U	3.6 U	3.8 U
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	-	-	-	NA	60 U	570 U	3.7 U	3.6 U	NA	NA	60 U	56 U	3.6 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	62 U	3.7 U	3.6 U	NA	NA	6.6 U	6.1 U	3.6 U	3.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	6.6 U	62 U	3.7 U	3.6 U	NA	NA	6.6 U	6.1 U	3.6 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	29 U	1.9 U	1.8 U	NA	NA	3.1 U	2.9 U	1.8 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	83 U	9.3 U	8.9 U	NA	NA	8.8 U	8.1 U	9 U	9.6 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	290 U	19 U	18 U	NA	NA	31 U	29 U	18 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	290 U	19 U	18 U	NA	NA	31 U	29 U	18 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	4949.6	5140.3	5768	4198.5	4763.8	261.6	195.3	81.84	114.63	52.4	89.89

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				08. Arch Hangar										
Location ID:				JBW7305								JBW7339A		
Sample ID:				LORNG_JBW7305_3	LORNG_JBW7305_1	LORNG_JBW7305_1	LORNG_JBW7305_3	LORNG_JBW7305_1	LORNG_JBW7305_3	LORNG_JBW7305_1	LORNG_JBW7305_3	LORNG_JBW7339A_	LORNG_JBW7339A_	LORNG_JBW7339A_
Sample Date:				3 06082023	07 06132023	07 10252023	3 10252023	07 05202024	3 05202024	07 10092024	3 10092024	05052022	09272022	06142023
Sample Depth (ft bgs):				15-127	15-127	15-127	15-127	15-127	15-127	15-127	15-127	156-166	156-166	156-166
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.93675887	46.93675887	46.93675887	46.93675887	46.93675887	46.93675887	46.93675887	46.93675887	46.93974325	46.93974325	46.93974325
Longitude:				-67.89926495	-67.89926495	-67.89926495	-67.89926495	-67.89926495	-67.89926495	-67.89926495	-67.89926495	-67.89243607	-67.89243607	-67.89243607
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.3 J	7.1	8.4	8.1	9.4 J	8.3 J	9	9.1	24.2	30.6	24
Perfluoropentanoic acid (PFPeA)	-	-	-	15	17	21	21	25.3	22.4	23	23	81.4	101	76 J
Perfluorohexanoic acid (PFHxA)	990	-	-	11	13	13	14	18.5	16.8	17	17	90.9	126	99
Perfluoroheptanoic acid (PFHpA)	-	-	-	6.4	7.6	8.5	8.6	10.1	9.6	11	11	30	40.6	34
Perfluorooctanoic acid (PFOA)	0.0027	4	-	8.5	8.8	11	11	12.2	10.5	13	14	100	140	110
Perfluorononanoic acid (PFNA)	5.9	10	-	0.88 J	0.86 J	1.3 J	1.3 J	1 J	0.86 J	1.6	1.6	2.6 J	3.7	3.1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.36 J	0.37 J	0.46 J	0.43 J	2 U	1.9 U	0.54 J	0.49 J	0.93 U	1.9 U	0.38 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.5 U	0.51 U	0.53 U	2 U	1.9 U	1.2 U	1.2 U	0.93 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	1 U	1.1 U	2 U	1.9 U	0.82 U	0.79 U	0.93 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	1 U	1.1 U	2 U	1.9 U	1.2 U	1.2 U	0.93 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.5 U	0.51 U	0.53 U	2 U	1.9 U	0.82 U	0.79 U	0.93 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.7	3.1	3.4	3.5	4.3	3.9	3.1	3.2	14.1	22.6	14 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.6	4	5.5	5.2	6	5.1	4.4	4.3	19.7	24.4	23 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	41	47	50	49	59.5	53.7	51	52	305	404	450
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.67 J	0.76 J	1 J	0.99 J	2 J	1.7 J	1.5	1.4	7.2	9.6	6.1
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	32	41	54	53	49.2	45.7	71	71	208	279	290 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.94 U	0.97 U	1 U	2 U	1.9 U	1.1 U	1.1 U	0.93 U	1.9 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.47 U	0.48 U	0.5 U	2 U	1.9 U	1.1 U	1.1 U	0.93 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	1 U	1.1 U	4 U	3.7 U	0.82 U	0.79 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.9 U	2 U	2 U	8 U	7.4 U	3.1 U	3 U	1.9 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	0.89 J	38	2 U	2 U	8 U	7.4 U	3.2 U	3 U	61	81	38
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.8 U	3.9 U	4.1 U	8 U	7.4 U	4.5 U	4.4 U	1.9 U	3.7 U	1 J
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.25 U	0.15 UJ	0.19 U	2 U	1.9 U	0.32 J	0.57 U	8.8	9.4	12 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	1 U	1.1 U	4 UJ	3.7 UJ	1.2 U	1.2 U	1.9 U	3.7 UJ	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	1 U	1.1 U	4 U	3.7 U	1.2 U	1.2 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	1 U	1.1 U	4 U	3.7 U	1.2 U	1.2 U	1.9 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1 U	1 U	1.1 U	4 U	3.7 U	0.82 U	0.79 U	1.9 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.5 U	2.6 U	2.7 U	20 UJ	19 UJ	8.2 U	7.9 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5 U	5.1 U	5.3 U	20 UJ	19 UJ	8.2 U	7.9 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4 U	4.1 U	4.3 U	2 U	1.9 U	3.2 U	3.1 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	3.9 U	4.1 U	4 U	3.7 U	3.1 U	3 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	2.1 U	2.1 U	2 U	1.9 U	2.8 U	2.7 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.5 U	0.51 U	0.53 U	4 U	3.7 U	1.2 U	1.2 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	60 U	62 U	64 U	4 U	3.7 U	24 U	23 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.6 U	6.8 U	7 U	4 U	3.7 U	3.1 U	3 U	NA	NA	6.6 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.6 U	6.8 U	7 U	4 U	3.7 U	2.2 U	2.1 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.1 U	3.2 U	3.3 U	2 U	1.9 U	2 U	2 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.8 U	9 U	9.4 U	10 U	9.3 U	5.9 U	5.7 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	31 U	32 U	33 U	20 U	19 U	30 U	29 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	31 U	32 U	33 U	20 U	19 U	30 U	29 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	89.14	105.63	125.26	123.33	132	120.36	148.14	150.09	645.6	867.3	887.48

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				08. Arch Hangar										
Location ID:				JBW7339A			JBW7339B						JBW7341B	
Sample ID:				LORNG_JBW7339A_	LORNG_JBW7339A_	LORNG_JBW7339A_	LORNG_JBW7339B_	LORNG_JBW7339B_	LORNG_JBW7339B_	LORNG_JBW7339B_	LORNG_JBW7339B_	LORNG_JBW7339B_	LORNG_JBW7341B_	LORNG_JBW7341B_
Sample Date:				10312023	06132024	10182024	05052022	10012022	06142023	10312023	06132024	10182024	05052022	09272022
Sample Depth (ft bgs):				10/31/2023	6/13/2024	10/18/2024	5/5/2022	10/1/2022	6/14/2023	10/31/2023	6/13/2024	10/18/2024	5/5/2022	9/27/2022
Sample Type:				156-166	156-166	156-166	52-62	52-62	52-62	52-62	52-62	52-62	41-51	41-51
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.93974325	46.93974325	46.93974325	46.93974328	46.93974328	46.93974328	46.93974328	46.93974328	46.93974328	46.93941211	46.93941211
Maine Sum of 6 MCL (ng/L)				-67.89243607	-67.89243607	-67.89243607	-67.89243607	-67.89243607	-67.89243607	-67.89243607	-67.89243607	-67.89243607	-67.89153479	-67.89153479
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	21	19.9	30.6	26	9.2	24	29	15	13.9 J	12.4	6.6 J
Perfluoropentanoic acid (PFPeA)	-	-	-	65	63.5	109	84	20.1	76	94	44.8	43.2	27.4	9.8
Perfluorohexanoic acid (PFHxA)	990	-	-	98	90.6	130	99.7	23.8	85	120	57.6	51.2	37.9	17
Perfluoroheptanoic acid (PFHpA)	-	-	-	31	29.7	44.4	40.9	10.9	34	43	22.2	20	14.4	4.7
Perfluorooctanoic acid (PFOA)	0.0027	4	-	99	84.8	133	124	27.6	100	130	66.9	59.7	46.1	15.5
Perfluorononanoic acid (PFNA)	5.9	10	-	2.5	3 J	3.8 J	5	2.3 J	5.1	5.7	3.1 J	2.5 J	2.1 J	1.1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.33 J	1.9 U	2 U	0.94 U	1.8 U	0.49 J	0.43 J	1.8 U	2 U	0.94 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.45 U	1.9 U	2 U	0.94 U	1.8 U	0.5 U	0.52 U	1.8 U	2 U	0.94 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.9 U	1.9 U	2 U	0.94 U	8.9 U	1 U	1 U	1.8 U	2 U	0.94 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.9 U	1.9 U	2 U	0.94 U	8.9 U	1 U	1 U	1.8 U	2 U	0.94 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.45 U	1.9 U	2 U	0.94 U	1.8 UJ	0.5 U	0.52 U	1.8 U	2 U	0.94 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	13	12.6	19.2	14.3	4.3	13	17	7.4	7.7	4.5	2.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	18	16.8	30.9	21.8	5.4	20	27	10.7	11	6.6	2 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	510	382	529	418	105	360	460	206	214	198	59.7 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	5.5	7.6	14.6	10.9	2.7 J	5.9	7.9	5.3	6	3.5 J	1.3 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	220	242	313	311	99.8	290	360	164	157	130	58.1
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.85 U	0.63 J	2 U	0.94 U	1.8 U	0.94 U	0.97 U	1.8 U	2 U	0.94 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.42 U	1.9 U	2 U	0.94 U	1.8 U	0.47 U	0.49 U	1.8 U	2 U	0.94 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.9 U	3.7 U	4 U	NA	NA	1 U	1 U	3.6 U	4 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.7 U	7.4 U	7.9 U	1.9 U	3.6 U	0.75 J	1.2 J	7.3 U	8 U	1.9 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	28	44.1	158	72.2	10.2	50	97	36.4	30	1.9 U	104 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.4 U	7.4 U	7.9 U	5.3 J	3.6 U	3.6 J	4.4 J	7.3 U	8 U	1.9 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	14 J	11.7 J	11.6	11.4 J	4.3	7.2	14	8.1 J	5.7	8.1	2.1 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0.9 U	3.7 U	4 U	1.9 U	18 UJ	1 U	1 U	3.6 U	4 U	1.9 U	3.7 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	0.9 U	3.7 U	4 U	NA	NA	1 U	1 U	3.6 U	4 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	0.9 U	3.7 U	4 U	3.8 U	3.6 U	1 U	1 U	3.6 U	4 U	1.9 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.9 U	3.7 U	4 U	1.9 U	3.6 U	1 U	1 U	3.6 U	4 U	1.9 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.3 U	19 U	20 U	NA	NA	2.5 U	2.6 U	18 U	20 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	4.5 U	19 U	20 U	NA	NA	5 U	5.2 U	18 U	20 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.6 U	1.9 U	2 U	NA	NA	4 U	4.1 U	1.8 U	2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.4 U	3.7 U	4 U	NA	NA	3.8 U	3.9 U	3.6 U	4 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	1.9 U	2 U	NA	NA	2 U	2.1 U	1.8 U	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.45 U	3.7 U	4 U	NA	NA	0.5 U	0.52 U	3.6 U	4 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	54 U	3.7 U	4 U	NA	NA	60 U	62 U	3.6 U	4 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6 U	3.7 U	4 U	NA	NA	6.6 U	6.8 U	3.6 U	4 U	NA	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6 U	3.7 U	4 U	NA	NA	6.6 U	6.8 U	3.6 U	4 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.8 U	1.9 U	2 U	NA	NA	3.1 U	3.2 U	1.8 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	7.9 U	9.3 U	9.9 U	NA	NA	8.8 U	9.1 U	9.1 U	10 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	28 U	19 U	20 U	NA	NA	31 U	32 U	18 U	20 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	28 U	19 U	20 U	NA	NA	31 U	32 U	18 U	20 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	862.83	741.5	1023.2	898.9	245.6	789.59	999.13	462.2	453.2	390.6	139.1

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				08. Arch Hangar										
Location ID:				JBW7341B				JBW7350						
Sample ID:				LORNG_JBW7341B_	LORNG_JBW7341B_	LORNG_JBW7341B_	LORNG_JBW7341B_	LORNG_JBW7350_0	LORNG_JBW7350_0	LORNG_JBW7350_0	LORNG_JBW7350_0	LORNG_JBW7350_1	LORNG_JBW7350_0	LORNG_JBW7350_1
Sample Date:				05252023	10252023	05222024	10162024	5052022	9282022	5232023	5232023FD	0262023	5172024	0162024
Sample Depth (ft bgs):				5/25/2023	10/25/2023	5/22/2024	10/16/2024	5/5/2022	9/28/2022	5/23/2023	5/23/2023	10/26/2023	5/17/2024	10/16/2024
Sample Type:				41-51	41-51	41-51	41-51	44-54	44-54	44-54	44-54	44-54	44-54	44-54
Latitude:				N	N	N	N	N	N	N	FD	N	N	N
Longitude:				46.93941211	46.93941211	46.93941211	46.93941211	46.93932985	46.93932985	46.93932985	46.93932985	46.93932985	46.93932985	46.93932985
				-67.89153479	-67.89153479	-67.89153479	-67.89153479	-67.88940876	-67.88940876	-67.88940876	-67.88940876	-67.88940876	-67.88940876	-67.88940876
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	8	6.6 J	6.4 J	5.9 J	7	2.8 J	3.5 J	3.5 J	4 J	2.4 J	2.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	17	14 J	14.7	7.8	16.8	5.5	6.4	6.4	4.8	4.4 J	3.8 J
Perfluorohexanoic acid (PFHxA)	990	-	-	24	20 J	22.1	11.3	14.7	7.7	8.5	8.4	6.6	5.7	5.4
Perfluoroheptanoic acid (PFHpA)	-	-	-	8.8	7.6 J	7.9	4.9	8.3	4.5	5.1	5.1	4.1	3.7 J	3.4 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	28	24 J	24.7	13.8	8.9	8.8	7.7	7.9	6.9	6.2	5.7
Perfluorononanoic acid (PFNA)	5.9	10	-	1.3 J	1.4 J	1.2 J	0.92 J	0.86 U	1.9 U	0.36 J	0.35 J	0.33 J	2 U	2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	0.94 UJ	1.9 U	1.9 U	0.86 U	1.9 U	1 U	1 U	1 U	2 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.47 UJ	1.9 U	1.9 U	0.86 U	1.9 U	0.5 U	0.5 U	0.5 U	2 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	0.94 UJ	1.9 U	1.9 U	0.86 U	1.9 U	1 U	1 U	1 U	2 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	0.94 UJ	1.9 U	1.9 U	0.86 U	1.9 U	1 U	1 U	1 U	2 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.47 UJ	1.9 U	1.9 U	0.86 U	1.9 U	0.5 U	0.5 U	0.5 U	2 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.2	3.1 J	3 J	2 J	3.2 J	2.1 J	1.7	1.7	1.4 J	1.2 J	1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4.7	4.3 J	4.1 J	2.5 J	4.7	1.6 J	1.9	2	1.4 J	1.5 J	1.2 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	150	140 J	134	73.8	31.8	24	24	24	21	20	17.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.4 J	1 J	2 J	1.2 J	0.86 U	1.9 U	0.3 J	0.27 J	0.25 J	2 U	2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	81	71 J	72.1	42.7	17.8	13	13	14	12	8.2	7
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.88 UJ	1.9 U	1.9 U	0.86 U	1.9 U	0.94 U	0.94 U	0.95 U	2 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.44 UJ	1.9 U	1.9 U	0.86 U	1.9 U	0.47 U	0.47 U	0.47 U	2 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	0.94 UJ	3.7 U	3.9 U	NA	NA	1 U	1 U	1 U	3.9 U	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.8 UJ	7.5 U	7.8 U	1.7 U	3.7 U	1.9 U	1.9 U	1.9 U	7.8 U	8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.8 UJ	7.5 U	7.8 U	1.7 U	3.7 U	1.9 U	1.9 U	1.9 U	7.8 U	8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.6 UJ	7.5 U	7.8 U	1.7 U	3.7 U	3.8 U	3.8 U	3.8 U	7.8 U	8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.2 J	3 J	3.9	1.5 J	0.86 U	1.9 U	0.15 J	0.25 U	0.25 U	2 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	0.94 UJ	3.7 UJ	3.9 U	1.7 U	3.7 U	1 U	1 U	1 U	3.9 UJ	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	0.94 UJ	3.7 U	3.9 U	NA	NA	1 U	1 U	1 U	3.9 U	4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	0.94 UJ	3.7 U	3.9 U	1.7 U	3.7 U	1 U	1 U	1 U	3.9 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	0.94 UJ	3.7 U	3.9 U	1.7 U	3.7 U	0.52 J	0.82 J	0.48 J	3.9 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.3 UJ	19 UJ	19 U	NA	NA	2.5 U	2.5 U	2.5 U	20 UJ	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	4.7 UJ	19 UJ	19 U	NA	NA	5 U	5 U	5 U	20 UJ	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	3.7 UJ	1.9 U	1.9 U	NA	NA	4 U	4 U	4 U	2 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.6 UJ	3.7 U	3.9 U	NA	NA	3.8 U	3.8 U	3.8 U	3.9 U	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.9 UJ	1.9 U	1.9 U	NA	NA	2 U	2 U	2 U	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.47 UJ	3.7 U	3.9 U	NA	NA	0.5 U	0.5 U	0.5 U	3.9 U	4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	56 UJ	3.7 U	3.9 U	NA	NA	60 U	60 U	61 U	3.9 U	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.2 UJ	3.7 U	3.9 U	NA	NA	6.6 U	6.6 U	6.7 U	3.9 U	4 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.2 UJ	3.7 U	3.9 U	NA	NA	6.6 U	6.6 U	6.7 U	3.9 U	4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	2.9 UJ	1.9 U	1.9 U	NA	NA	3.1 U	3.1 U	3.1 U	2 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.2 UJ	9.3 U	9.7 U	NA	NA	8.8 U	8.8 U	8.9 U	9.8 U	10 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	29 UJ	19 U	19 U	NA	NA	31 U	31 U	31 U	20 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	29 UJ	19 U	19 U	NA	NA	31 U	31 U	31 U	20 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	269.1	244	239.9	136.12	66.8	50.3	50.16	51.35	44.33	38.1	34

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				08. Arch Hangar										
Location ID:				JMW-0505						MMW0004				OW08001
Sample ID:				LORNG _JMW0505_0	LORNG _JMW0505_0	LORNG _JMW0505_1	LORNG _JMW-0505_05152023	LORNG _JMW-0505_10172023	LORNG _JMW-0505_05132024	LORNG_MMW0004_06202023	LORNG_MMW0004_10242023	LORNG_MMW0004_05202024	LORNG_MMW0004_10102024	LORNG_OW08001_08022022
Sample Date:				5/5/2022	5/5/2022	10/1/2022	5/15/2023	10/17/2023	5/13/2024	6/20/2023	10/24/2023	5/20/2024	10/10/2024	8/2/2022
Sample Depth (ft bgs):				19-29	19-29	19-29	19-29	19-29	19-29	54-64	54-64	54-64	54-64	10-20
Sample Type:				N	FD	N	N	N	N	N	N	N	N	N
Latitude:				46.94040418	46.94040418	46.94040418	46.94040418	46.94040418	46.94040418	46.9377899	46.9377899	46.9377899	46.9377899	46.9403992
Longitude:				-67.89073564	-67.89073564	-67.89073564	-67.89073564	-67.89073564	-67.89073564	-67.8987518	-67.8987518	-67.8987518	-67.8987518	-67.8939639
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	11	11.1	4.8 J	4.1 J	3.2 J	4.2 J	4.2 J	3.6 J	2.8 J	33 UJ	22.9
Perfluoropentanoic acid (PFPeA)	-	-	-	22.7	23.2	6.1	4.8	2.4 J	3.8 J	5.7	4.1 J	3.3 J	20 UJ	81.7
Perfluorohexanoic acid (PFHxA)	990	-	-	16.2	16.5	5.3	4.8	2.5	3.8	5	3.2	1.9 J	1.6 J	84.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	9	9.1	7	3.8	2.7	3.8	1.6 J	0.9 J	0.72 J	0.71 J	32.9
Perfluorooctanoic acid (PFOA)	0.0027	4	-	8.4	8.6	5.9	4	2.9	4.1	2.6	1.7	1.5 J	1.3 J	98
Perfluorononanoic acid (PFNA)	5.9	10	-	0.86 U	0.86 U	1.2 J	0.56 J	0.7 J	0.8 J	0.19 J	0.47 U	2 U	2 U	3.3 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.86 U	0.86 U	1.8 U	1 U	0.9 U	1.8 U	1 U	0.93 U	2 U	2 UJ	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.86 U	0.86 U	1.8 U	0.5 U	0.45 U	1.8 U	0.5 U	0.47 U	2 U	2 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.86 U	0.86 U	1.8 UJ	1 U	0.9 U	1.8 U	1 U	0.93 U	2 U	1.4 J	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.86 U	0.86 U	1.8 UJ	1 U	0.9 U	1.8 U	1 U	0.93 U	2 U	2 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.86 U	0.86 U	1.8 UJ	0.5 U	0.45 U	1.8 U	0.5 U	0.47 U	2 U	2 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.3 J	1.3 J	1.1 J	1.4	1.9	1.2 J	0.53 U	0.41 J	2 U	2 U	14.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.7 J	1.6 J	1.5 J	1.5 J	2	1.4 J	0.3 J	0.28 J	4.1 U	4 U	20.1
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	17.6	17.7	13.1	18	12.7	19	2.5	2.4	2.3 J	1.3 J	357
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.86 U	0.86 U	1.8 U	0.21 J	0.16 J	1.8 U	0.47 U	0.44 U	2 U	2 U	9.3
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	12.8	14.5	17.5	11	11	9.1	3.8	2.1 J+	1.3 J	1.7 J	270
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.86 U	0.86 U	1.8 U	0.94 U	0.84 U	1.8 U	0.94 U	0.88 U	2 U	2 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.86 U	0.86 U	1.8 U	0.47 U	0.42 U	1.8 U	0.47 U	0.44 U	2 U	2 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	NA	1 U	0.9 U	3.6 U	1 U	0.93 U	4.1 U	4 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.7 U	1.7 U	3.6 U	1.9 U	1.7 U	7.3 U	1.9 U	1.8 U	8.2 U	8.1 U	4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.7 U	1.7 U	3.6 U	1.9 U	1.7 U	7.3 U	20	8.1	8.2 U	8.1 U	12.8
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	1.7 U	1.7 U	3.6 U	3.8 U	3.4 U	7.3 U	1.1 J	3.5 U	8.2 U	8.1 U	4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.86 U	0.86 U	1.8 U	0.25 U	0.4 J	1.8 U	0.48 J	0.2 J	2 U	2 U	4.3
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	8.6 UJ	1.7 U	18 UJ	1 U	0.9 U	3.6 U	1 UJ	0.93 U	4.1 U	4 U	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	NA	1 U	0.79 J	3.6 UJ	1 UJ	0.93 U	4.1 U	4 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.7 U	1.7 U	3.6 U	1 U	0.9 U	3.6 U	1 U	0.93 U	4.1 U	4 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1.7 U	1.7 U	3.6 U	1 U	0.9 U	3.6 U	1 U	0.93 U	4.1 U	4 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	NA	2.5 U	2.2 U	18 U	2.5 U	2.3 U	20 U	20 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	NA	5 U	22	18 U	5 U	4.7 U	20 U	20 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	NA	4 U	3.6 U	1.8 U	4 U	3.7 U	2 U	2 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	NA	3.8 U	3.4 U	3.6 U	3.8 U	3.5 U	4.1 U	4 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	NA	2 U	1.8 U	1.8 U	2 U	2 U	2 U	17 UJ	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	NA	0.5 U	0.45 U	3.6 U	0.5 U	0.5 U	4.1 U	40 UJ	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	NA	60 U	54 U	3.6 U	60 U	56 U	4.1 U	4 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	NA	6.6 U	5.9 U	3.6 U	6.6 U	6.1 U	4.1 U	4 U	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	NA	NA	6.6 U	5.9 U	3.6 U	6.6 U	6.1 U	4.1 U	4 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	NA	3.1 U	2.8 U	1.8 U	3.1 U	2.9 U	2 U	2 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	NA	8.8 U	7.9 U	9.1 U	8.8 U	8.7 U	10 U	83 UJ	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	NA	31 U	28 U	18 U	31 U	29 U	20 U	20 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	NA	31 U	28 U	18 U	31 U	29 U	20 U	20 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	47.8	49.9	44.7	37.36	36.3	30.5	10.69	7.1	5.82	5.01	761.2

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				08. Arch Hangar										
Location ID:				OW08001						OW08002				
Sample ID:				LORNG_OW08001_0	LORNG_OW08001_0	LORNG_OW08001_0	LORNG_OW08001_0	LORNG_OW08001_1	LORNG_OW08001_0	LORNG_OW08001_1	LORNG_OW08002_0	LORNG_OW08002_0	LORNG_OW08002_0	LORNG_OW08002_0
Sample Date:				8022022FD	9302022	9302022FD	5252023	1012023	6052024	0072024	8022022	9302022	5242023	5242023FD
Sample Depth (ft bgs):				10-20	10-20	10-20	10-20	10-20	10-20	10-20	16-26	16-26	16-26	16-26
Sample Type:				FD	N	FD	N	N	N	N	N	N	N	FD
Latitude:				46.9403992	46.9403992	46.9403992	46.9403992	46.9403992	46.9403992	46.9403992	46.9386268	46.9386268	46.9386268	46.9386268
Longitude:				-67.8939639	-67.8939639	-67.8939639	-67.8939639	-67.8939639	-67.8939639	-67.8939639	-67.8949815	-67.8949815	-67.8949815	-67.8949815
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	23	26.4	26.8	37	28	23.8	40	21	32.6	20	20
Perfluoropentanoic acid (PFPeA)	-	-	-	82	89.7	90.5	140	98	89.1	140	72.7	103	65	67
Perfluorohexanoic acid (PFHxA)	990	-	-	85.1	87	87.7	150	100	88.7	130	74.9	117	74	81
Perfluoroheptanoic acid (PFHpA)	-	-	-	32.9	36.2	36.9	50	38	34.3	54	30.7	48	29	29
Perfluorooctanoic acid (PFOA)	0.0027	4	-	98.7	89.6	92	180	110	85.4	130	81.2	128	78	83
Perfluorononanoic acid (PFNA)	5.9	10	-	3.3 J	3.7	3.6	5	4.7	3.6 J	6.1	2.7 J	4.5	3.4	3.2
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1.8 U	1.8 U	0.33 J	0.36 J	1.8 U	0.42 J	2 U	1.9 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	1.8 U	1.8 U	0.5 U	0.51 U	1.8 U	1.3 U	2 U	1.9 U	0.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	8.9 U	8.9 U	1 U	1 U	1.8 U	0.89 U	2 U	1.9 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	8.9 U	8.9 U	1 U	1 U	1.8 U	1.3 U	2 U	1.9 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	8.9 U	1.8 U	0.5 U	0.51 U	1.8 U	0.89 U	2 U	1.9 U	0.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	14.5	14.5	14.6	23	16	13.1	22	11.9	18.1	12	12
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	20.2	21.8	21.8	36	32	19.6	34	15.9	24.7	17	16
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	356	314	319	640	420	344	500	296	404	310	320
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	8.9	10.1	10.3	8.7	9.9	9.1	9.6	7.9	11.2	5.1	4.9
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	264	324	333	450	290	262	430	259	342	240	260
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	1.8 U	1.8 U	0.94 U	0.96 U	1.8 U	1.2 U	2 U	1.9 U	0.94 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	1.8 U	1.8 U	0.47 U	0.48 U	1.8 U	1.2 U	2 U	1.9 U	0.47 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	NA	1 U	1 U	3.7 U	0.89 U	NA	NA	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4 U	3.6 U	3.6 U	1.1 J	0.81 J	7.3 U	3.3 U	4 U	3.8 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	12.1	14	14.2	63	32	12.3 J	23	9.2	19.3	12	12
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4 U	3.6 U	3.6 U	1 J	1.4 J	7.3 U	1.9 J	4 U	3.8 U	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	4.4	4.6	5.2	4.4	6.5	4.4 J	7.1	8.3	13.4	6.4	6.7 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4 UJ	18 UJ	18 UJ	1 U	1 U	3.7 UJ	1.3 U	4 U	3.8 U	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	NA	1 U	1 U	3.7 U	1.3 U	NA	NA	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	3.6 U	3.6 U	1 U	1 U	3.7 U	1.3 U	4 U	3.8 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	3.6 U	3.6 U	1 U	1 U	3.7 U	0.89 U	4 U	3.8 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	NA	2.5 U	2.6 U	18 UJ	8.9 U	NA	NA	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	NA	5 U	5.1 U	180 UJ	8.9 U	NA	NA	5 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	NA	4 U	4.1 U	1.8 U	3.5 U	NA	NA	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	NA	3.8 U	3.9 U	3.7 U	3.3 U	NA	NA	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	NA	2 U	1.8 U	1.8 U	3 U	NA	NA	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	NA	0.5 U	0.51 U	3.7 U	1.3 U	NA	NA	0.5 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	NA	60 U	61 U	3.7 U	26 U	NA	NA	60 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	NA	6.6 U	6.7 U	3.7 U	3.3 U	NA	NA	6.6 U	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	NA	NA	6.6 U	6.7 U	3.7 U	2.4 U	NA	NA	6.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	NA	3.1 U	3.2 U	1.8 U	2.2 U	NA	NA	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	NA	8.8 U	9 U	9.2 U	6.5 U	NA	NA	8.8 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	NA	31 U	32 U	18 U	32 U	NA	NA	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	NA	31 U	32 U	18 UJ	32 U	NA	NA	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	754.9	767.5	784.5	1325.33	863.06	729.3	1120.52	669.6	926.5	660.4	695.2

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				08. Arch Hangar						09. Jet Engine Maintenance				
Location ID:				OW08002						BW09001				
Sample ID:				LORNG_OW08002_1	LORNG_OW08002_1	LORNG_OW08002_0	LORNG_OW08002_0	LORNG_OW08002_0	LORNG_OW08002_0	LORNG_BW09001_0	LORNG_BW09001_0	LORNG_BW09001_0	LORNG_BW09001_1	LORNG_BW09001_0
Sample Date:				0272023	0272023FD	5242024	5242024FD	9262024	9262024FD	8032022	9302022	5162023	0132023	5202024HS
Sample Depth (ft bgs):				10/27/2023	10/27/2023	5/24/2024	5/24/2024	9/26/2024	9/26/2024	8/3/2022	9/30/2022	5/16/2023	10/13/2023	5/20/2024
Sample Type:				16-26	16-26	16-26	16-26	16-26	16-26	65-75	65-75	65-75	65-75	65-75
Latitude:				N	FD	N	FD	N	FD	N	N	N	N	N
Longitude:				46.9386268	46.9386268	46.9386268	46.9386268	46.9386268	46.9386268	46.9360579	46.9360579	46.9360579	46.9360579	46.9360579
				-67.8949815	-67.8949815	-67.8949815	-67.8949815	-67.8949815	-67.8949815	-67.8958722	-67.8958722	-67.8958722	-67.8958722	-67.8958722
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	22	22	14.2 J	14 J	21.1	18.8	14.1	8.6	3.8 J	3.5 J	3.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	72	70	43.8	42.8	62.4	58.3	17.4	15	8	7.3	6.6 J
Perfluorohexanoic acid (PFHxA)	990	-	-	81	81	52.7	52.9	69	66.3	18.9	17.6	8.2	7.1	6.4
Perfluoroheptanoic acid (PFHpA)	-	-	-	30	29	19.5	18.3	26.6	25.7	5.8	5.5	1.9	1.6 J	1.8 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	82	84	56.7	55.8	75.8	72.9	12.6	11.3	4.5	3.9	3.5 J
Perfluorononanoic acid (PFNA)	5.9	10	-	3.5	3.3	2.6 J	2.2 J	3.1 J	3 J	1.9 U	1.9 U	0.5 U	0.5 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.32 J	0.37 J	1.9 U	1.8 U	2 U	2 U	1.9 U	1.9 U	1 U	1 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.46 U	0.46 U	1.9 U	1.8 U	2 U	2 U	1.9 U	1.9 U	0.5 U	0.5 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.92 U	0.92 U	1.9 U	1.8 U	2 U	2 U	1.9 U	1.9 U	1 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.92 U	0.92 U	1.9 U	1.8 U	2 U	2 U	1.9 U	1.9 U	1 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.46 U	0.46 U	1.9 U	1.8 U	2 U	2 U	1.9 U	1.9 U	0.5 U	0.5 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	12	13	7.9	7.6	11.5	10.3	2.2 J	2.5 J	0.68 J	0.62 J	0.57 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	18	17	10.9	11	15.9	14.7	2.4 J	2 J	0.51 J	0.49 J	3.9 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	360	330	211	203	283	254	49.9	42.8	12	8.8	8.7
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	4.8	4.3	5.6	4.6	7.9	7.8	1.9 U	1.9 U	0.47 U	0.47 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	230	260	211	193	222	191	13.3	11.1	2.2	0.96 J	1.1 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.86 U	0.86 U	0.65 J	0.64 J	0.64 J	2 U	1.9 U	1.9 U	0.94 U	0.94 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.43 U	0.43 U	1.9 U	1.8 U	2 U	2 U	1.9 U	1.9 U	0.47 U	0.47 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.92 U	0.92 U	3.7 U	3.6 U	4 U	4 U	NA	NA	1 U	1 U	3.9 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.7 U	1.7 U	7.4 U	7.3 U	8 U	8 U	3.7 U	3.7 U	1.9 U	1.9 U	7.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.5	9.2	6.2 J	6.5 J	10.7 J	10.9 J	8.4	11.5	1.2 J	1.9 U	7.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.5 U	3.5 U	7.4 U	7.3 U	8 U	8 U	3.7 U	3.7 U	3.8 U	3.8 U	7.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	7.4	6.9	8.4 J	8	8.5	8.7	1.9 U	1.9 U	0.25 U	0.25 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0.92 U	0.92 U	3.7 UJ	3.6 UJ	4 U	4 U	3.7 UJ	19 UJ	1 U	1 U	3.9 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	0.92 U	0.92 U	3.7 U	3.6 U	4 U	4 U	NA	NA	1 U	1 U	3.9 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	0.92 U	0.92 U	3.7 U	3.6 U	4 U	4 U	3.7 U	3.7 U	1 U	1 U	3.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.92 U	0.92 U	3.7 U	3.6 U	4 U	4 U	3.7 U	3.7 U	1 U	1 U	3.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.3 U	2.7 J	19 UJ	18 UJ	20 U	20 U	NA	NA	2.5 U	2.5 U	19 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	4.6 U	3.6 J	19 UJ	18 UJ	20 U	20 U	NA	NA	5 U	5 U	19 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.7 U	3.7 U	1.9 U	1.8 U	2 U	2 U	NA	NA	4 U	4 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.5 U	3.5 U	3.7 U	3.6 U	4 U	4 U	NA	NA	3.8 U	3.8 U	3.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	1.8 U	1.9 U	1.8 U	2 U	2 U	NA	NA	2 U	2 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.46 U	0.46 U	3.7 U	3.6 U	4 U	4 U	NA	NA	0.5 U	0.5 U	3.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	55 U	55 U	3.7 U	3.6 U	4 U	4 U	NA	NA	60 U	60 U	3.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.1 U	6.1 U	3.7 U	3.6 U	4 U	4 U	NA	NA	6.6 U	6.6 U	3.9 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.1 U	6.1 U	3.7 U	3.6 U	4 U	4 U	NA	NA	6.6 U	6.6 U	3.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.8 U	2.8 U	1.9 U	1.8 U	2 U	2 U	NA	NA	3.1 U	3.1 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.1 U	8.1 U	9.3 U	9.1 U	10 U	10 U	NA	NA	8.8 U	8.8 U	9.7 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	28 U	28 U	19 U	18 U	20 U	20 U	NA	NA	31 U	31 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	28 U	28 U	19 U	18 U	20 U	20 U	NA	NA	31 U	31 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	705.82	706.67	500.8	472.3	610.5	546.6	81.6	70.7	20.6	15.26	15.1

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				09. Jet Engine Maintenance										
Location ID:				BW09001		JBW7327								
Sample ID:				LORNG_BW09001_0	LORNG_BW09001_1	LORNG_JBW7327_4	LORNG_JBW7327_1	LORNG_JBW7327_1	LORNG_JBW7327_2	LORNG_JBW7327_2	LORNG_JBW7327_4	LORNG_JBW7327_4	LORNG_JBW7327_1	LORNG_JBW7327_2
Sample Date:				5232024	0162024	5 06132023	58 06142023	58 06142023FD	65 06192023	65 06192023FD	5 11022023	5 11022023FD	58 11082023	65 11092023
Sample Depth (ft bgs):				65-75	65-75	24-505	24-505	24-505	24-505	24-505	24-505	24-505	24-505	24-505
Sample Type:				N	N	N	N	FD	N	FD	N	FD	N	N
Latitude:				46.9360579	46.9360579	46.93646076	46.93646076	46.93646076	46.93646076	46.93646076	46.93646076	46.93646076	46.93646076	46.93646076
Longitude:				-67.8958722	-67.8958722	-67.89458688	-67.89458688	-67.89458688	-67.89458688	-67.89458688	-67.89458688	-67.89458688	-67.89458688	-67.89458688
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	8.5 J	6.6 J	6.1 J	5.5 J	5.5 J	5.6 J	5.6 J	6.6	6.6	4.3 J	5.7 J
Perfluoropentanoic acid (PFPeA)	-	-	-	22.5	16.9	14 J	11	11	10	11	14	14	10 J	11
Perfluorohexanoic acid (PFHxA)	990	-	-	30.5	25.2	20 J	10	11	11	11	32	32	9.2	11
Perfluoroheptanoic acid (PFHpA)	-	-	-	10.8	8.6	4.5 J	3.6	3.4	3.9	3.9	5.4	5.1	2.9	4
Perfluorooctanoic acid (PFOA)	0.0027	4	-	30.1	21.8	8.5 J	8.2	8.3	8.9	9.4	7.4	8.1	7.1	9.4
Perfluorononanoic acid (PFNA)	5.9	10	-	0.99 J	0.67 J	0.25 J	0.5 U	0.34 J	0.18 J	0.17 J	0.36 J	0.41 J	0.43 U	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.9 U	1 UJ	1 U	0.58 J	1 U	1 U	0.92 U	0.92 U	0.85 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.9 U	0.5 UJ	0.5 U	0.48 J	0.5 U	0.5 U	0.46 U	0.46 U	0.43 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.9 U	1 UJ	1 U	0.42 J	1 U	1 U	0.92 U	0.92 U	0.85 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.9 U	1 UJ	1 U	1 U	1 U	1 U	0.92 U	0.92 U	0.85 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.9 U	0.5 UJ	0.5 U	0.5 J	0.5 U	0.5 U	0.46 U	0.46 U	0.43 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	4.2	3.1 J	1.6 J	1.6	1.4	1.8	1.8	1.6	1.6	1.5	1.8
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5.2	4.1 J	1.5 J	1.2 J	1.4 J	1.6	1.9	1.3 J	1.3 J	1.3	1.8
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	175	113	20 J	21	22	30	34	19	18	20	31
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2.1 J	1.5 J	0.47 UJ	0.16 J	0.47 U	0.27 J	0.17 J	0.43 U	0.21 J	0.4 U	0.23 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	62.7	45.2	5.1 J	5.7	5.4	11	9.4	5.7	6.2	6	11
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.9 U	0.94 UJ	0.94 U	0.94 U	0.94 U	0.94 U	0.87 U	0.86 U	0.8 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.9 U	0.47 UJ	0.47 U	0.47 U	0.47 U	0.47 U	0.43 U	0.43 U	0.4 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.8 U	3.8 U	1 UJ	1 U	1 U	1 U	1 U	0.92 U	0.92 U	0.85 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.5 U	7.7 U	2.1 J	1.9 U	1.9 U	1.9 U	1.9 U	4.9 J	5.2 J	1.6 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.5 U	7.7 U	460 J	4 U	4 J	8 J+	7.5 J+	930	1100	7.3	5.1 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.5 U	7.7 U	1.4 J	3.8 U	3.8 U	3.8 U	3.8 U	5.3 J	4.7 J	3.2 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	3.1 J	1.7 J	2.4 J	0.63 UJ	2.6 J	0.25 U	0.25 U	0.23 U	0.23 U	0.18 J	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.8 U	3.8 U	1 UJ	1 U	1 U	1 U	1 U	0.92 U	0.92 U	0.85 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.8 U	3.8 U	1 UJ	1 U	1 UJ	1 U	1 U	0.92 U	0.92 U	0.85 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	3.8 U	1 UJ	1 U	1 U	1 U	1 U	0.92 U	0.92 U	0.85 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	3.8 U	1 UJ	1 U	1 U	1 U	1 U	0.92 U	0.92 U	0.85 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	19 U	2.5 UJ	2.5 U	4.6 J	2.5 U	2.5 U	2.3 U	2.3 U	2.1 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	19 U	5 UJ	5 U	5.8 J	5 U	5 U	4.6 U	4.6 U	4.3 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	1.9 U	4 UJ	4 U	4 U	4 U	4 U	3.7 U	3.7 U	3.4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.8 U	3.8 UJ	3.8 U	3.8 U	3.8 U	3.8 U	3.5 U	3.5 U	3.2 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.9 U	2 UJ	2 U	2 U	2 U	2 U	1.8 U	1.8 U	2.1 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.8 U	3.8 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.46 U	0.46 U	0.43 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.8 U	3.8 U	60 UJ	60 U	60 U	60 U	60 U	55 U	55 U	51 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.8 U	3.8 U	6.6 UJ	6.6 U	6.6 U	6.6 U	6.6 U	6.1 U	6.1 U	5.6 U	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.8 U	3.8 U	6.6 UJ	6.6 U	6.6 U	6.6 U	6.6 U	6.1 U	6.1 U	5.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	1.9 U	3.1 UJ	3.1 U	3.1 U	3.1 U	3.1 U	2.9 U	2.8 U	2.6 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.4 U	9.6 U	8.8 UJ	8.8 U	8.8 U	8.8 U	8.8 U	8.1 U	8.1 U	7.5 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	19 U	31 UJ	31 U	31 U	31 U	31 U	29 U	28 U	26 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	19 U	31 UJ	31 U	31 U	31 U	31 U	29 U	28 U	26 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	279.59	189.27	38.35	38.5	40.02	53.98	56.87	37.86	37.81	36	55.4

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				09. Jet Engine Maintenance										
Location ID:				JBW7327								JBW7335A		
Sample ID:				LORNG_JBW7327_4	LORNG_JBW7327_4	LORNG_JBW7327_1	LORNG_JBW7327_2	LORNG_JBW7327_1	LORNG_JBW7327_4	LORNG_JBW7327_2	LORNG_JBW7327_4	LORNG_JBW7335A_	LORNG_JBW7335A_	LORNG_JBW7335A_
Sample Date:				5_05022024	5_05022024FD	58_05032024	65_05062024	58_10102024	5_10102024	65_10102024	5_10102024FD	05062022	09192022	06132023
Sample Depth (ft bgs):				24-505	24-505	24-505	24-505	24-505	24-505	24-505	24-505	192-202	192-202	192-202
Sample Type:				N	FD	N	N	N	N	N	FD	N	N	N
Latitude:				46.93646076	46.93646076	46.93646076	46.93646076	46.93646076	46.93646076	46.93646076	46.93646076	46.93670224	46.93670224	46.93670224
Longitude:				-67.89458688	-67.89458688	-67.89458688	-67.89458688	-67.89458688	-67.89458688	-67.89458688	-67.89458688	-67.89186305	-67.89186305	-67.89186305
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	5.5 J	5.5 J	3.6 U	3.8 U	4.7 J	3.9 U	4.5 J	3.9 U	7.4	8.1	8.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	12.1	11.6	10.1	10.5	9.1	12.2	8.6 J	11.7	14.5	13.7	15 J
Perfluorohexanoic acid (PFHxA)	990	-	-	16	16.2	10.1	10	8.5	19.3	9.3	19.4	10.4	10.1	11 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	4	3.8	3.9	3.8	3.3 J	4.5	3.2 J	4.5	7.7	7.7	7.7 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	6.2	6.2	7.9	9	6.8	8.7	9.1	8.1	8.6	7.9	7.7 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	0.86 U	1.9 U	0.64 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	0.86 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	0.86 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	0.86 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	0.86 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	0.86 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.7 J	1.2 J	1.8 J	1.4 J	1.5 J	1.5 J	1.9 J	1.4 J	2 J	2.5 J	2.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.4 J	1.2 J	1.5 J	2.3 J	1.5 J	1.2 J	2.5 J	1.2 J	2.9 J	2.9 J	2.6 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	13.9	14.6	28	36.1	21	13.5	27.8	14.4	30.4	31.5	33 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	0.86 U	1.9 U	0.48 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	3.4 J	3.5 J	8.6	10.5	6.4	5.3	10.9	6.1	28.2	28	24 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	0.86 U	1.9 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	0.86 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	3.9 U	4 U	3.9 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	7.3 U	7.3 U	7.5 U	7.7 U	7.8 U	8 U	7.8 U	1.7 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	396	453	7.3 J	7.5 U	4.1 J	487	8 U	490	18.1	10.9 U	7.3 J+
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.3 U	7.3 U	7.3 U	7.5 U	7.7 U	7.8 U	8 U	7.8 U	1.7 U	3.7 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	0.95 J	2 U	0.97 J	0.86 U	1.9 U	0.9 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	3.9 U	4 U	3.9 U	8.6 U	0 R	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	3.9 U	4 U	3.9 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	3.9 U	4 U	3.9 U	1.7 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	3.9 U	4 U	3.9 U	1.7 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	18 U	18 U	19 U	19 U	20 U	20 U	20 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	18 U	18 U	19 U	19 U	20 U	20 U	20 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	3.9 U	4 U	3.9 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	3.9 U	4 U	3.9 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	3.9 U	4 U	3.9 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	3.9 U	4 U	3.9 U	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	3.9 U	4 U	3.9 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	9.1 U	9.1 U	9.4 U	9.6 U	9.8 U	10 U	9.8 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	18 U	18 U	19 U	19 U	20 U	20 U	20 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	18 U	18 U	19 U	19 U	20 U	20 U	20 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	27.5	28.1	48.4	59.4	37.5	32	51	33.1	74.9	75.1	73.04

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				09. Jet Engine Maintenance										
Location ID:				JBW7335A			JBW7335B						JBW7336A	
Sample ID:				LORNG_JBW7335A_	LORNG_JBW7335A_	LORNG_JBW7335A_	LORNG_JBW7335B_	LORNG_JBW7335B_	LORNG_JBW7335B_	LORNG_JBW7335B_	LORNG_JBW7335B_	LORNG_JBW7335B_	LORNG_JBW7336A_	LORNG_JBW7336A_
Sample Date:				10312023	06062024	10072024	05062022	09282022	05252023	10312023	06062024	10072024	05052022	05052022FD
Sample Depth (ft bgs):				10/31/2023	6/6/2024	10/7/2024	5/6/2022	9/28/2022	5/25/2023	10/31/2023	6/6/2024	10/7/2024	5/5/2022	5/5/2022
Sample Type:				192-202	192-202	192-202	115-125	115-125	115-125	115-125	115-125	115-125	73-83	73-83
Latitude:				N	N	N	N	N	N	N	N	N	N	FD
Longitude:				46.93670224	46.93670224	46.93670224	46.93669806	46.93669806	46.93669806	46.93669806	46.93669806	46.93669806	46.93580368	46.93580368
				-67.89186305	-67.89186305	-67.89186305	-67.89185593	-67.89185593	-67.89185593	-67.89185593	-67.89185593	-67.89185593	-67.89162611	-67.89162611
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	8	5.6 J	8.5	8.1	7.8	8.4	6.7	4.9 J	9.3	7.2	7.2
Perfluoropentanoic acid (PFPeA)	-	-	-	13	9	13	11.8	11.9	13	12	8.1	11	11.1	11
Perfluorohexanoic acid (PFHxA)	990	-	-	9.9	6.9	9.6	8.7	10.1	9.6	9.1	6.3	8.5	8.4	8.4
Perfluoroheptanoic acid (PFHpA)	-	-	-	7.3	5.3	7.5	6.5	7.1	6.6	6.9	4.9	6.6	5.2	5.2
Perfluorooctanoic acid (PFOA)	0.0027	4	-	7.4	5.6	8.6	7.7	8.5	8.1	7.7	5.4	7.5	7.1	7
Perfluorononanoic acid (PFNA)	5.9	10	-	0.7 J	0.61 J	0.88 J	0.86 U	1.9 U	0.61 J	0.72 J	1.9 U	0.79 J	0.86 U	0.86 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.93 U	1.9 U	0.9 U	0.86 U	1.9 U	0.37 J	0.93 U	1.9 U	0.9 U	0.86 U	0.86 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.47 U	1.9 U	1.3 U	0.86 U	1.9 U	0.5 U	0.46 U	1.9 U	1.3 U	0.86 U	0.86 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.93 U	1.9 U	0.9 U	0.86 U	1.9 U	1 U	0.93 U	1.9 U	0.9 U	0.86 U	0.86 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.93 U	1.9 U	1.3 U	0.86 U	1.9 U	1 U	0.93 U	1.9 U	1.3 U	0.86 U	0.86 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.47 U	1.9 U	0.9 U	0.86 U	1.9 U	0.5 U	0.46 U	1.9 U	0.9 U	0.86 U	0.86 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.3	1.5 J	2.3	0.86 U	3.3 J	2.1	2.1	1.6 J	2.4	1.8 J	1.7 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.5	2.1 J	2.6	3.4	3.3 J	2.8	1.9	2.2 J	2.6	2.6 J	2.7 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	32	24.4	33	30.2	33.4	33	27	21.2	32	32.8	32.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.39 J	0.67 J	0.58 J	0.86 U	1.9 U	0.41 J	0.43 J	1.9 U	0.51 J	1.2 J	1.4 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	25	22.4	34	25.5	30.3	27	26	20.3	28	38.5	39.1
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.88 U	1.9 U	1.2 U	0.86 U	1.9 U	0.94 U	0.87 U	1.9 U	1.2 U	0.86 U	0.86 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.44 U	1.9 U	1.2 U	0.86 U	1.9 U	0.47 U	0.44 U	1.9 U	1.2 U	0.86 U	0.86 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.93 U	3.7 U	0.9 U	NA	NA	1 U	0.93 U	3.7 U	0.9 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.8 U	7.5 U	3.4 U	1.7 U	3.7 U	1.9 U	1.8 U	7.4 U	3.4 U	1.7 U	1.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.8 U	7.5 U	3.9 J	1.7 U	3.7 U	8.9	1.8 U	7.4 U	3.5 U	1.7 U	1.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.5 U	7.5 U	5 U	1.7 U	3.7 U	3.8 U	3.5 U	7.4 U	5 U	1.7 U	1.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.23 U	1.9 U	1 J	0.86 U	1.9 U	0.25 U	0.23 U	1.9 U	0.66 U	0.86 U	0.86 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0.93 U	3.7 U	1.3 U	8.6 UJ	3.7 UJ	1 U	0.93 U	3.7 U	1.3 U	8.6 UJ	8.6 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	0.93 U	3.7 U	1.3 U	NA	NA	1 U	0.93 U	3.7 U	1.3 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	0.93 U	3.7 U	0.66 J	1.7 U	3.7 U	1.4 J	0.93 U	3.7 U	1.3 U	1.7 U	1.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.93 U	3.7 U	0.9 U	1.7 U	3.7 U	1 U	0.93 U	3.7 U	0.9 U	1.7 U	1.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.3 U	19 U	9 U	NA	NA	2.5 U	2.3 U	19 U	9 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	4.7 U	19 U	9 U	NA	NA	5 U	4.6 U	19 U	9 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.7 U	1.9 U	3.6 U	NA	NA	4 U	3.7 U	1.9 U	3.6 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.5 U	3.7 U	3.4 U	NA	NA	3.8 U	3.5 U	3.7 U	3.4 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.9 U	3.1 U	NA	NA	2 U	1.9 U	1.9 U	3.1 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.47 U	3.7 U	1.3 U	NA	NA	0.5 U	0.46 U	3.7 U	1.3 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	56 U	3.7 U	27 U	NA	NA	60 U	56 U	3.7 U	27 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.1 U	3.7 U	3.4 U	NA	NA	6.6 U	6.1 U	3.7 U	3.4 U	NA	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.1 U	3.7 U	2.5 U	NA	NA	6.6 U	6.1 U	3.7 U	2.5 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.9 U	1.9 U	2.3 U	NA	NA	3.1 U	2.9 U	1.9 U	2.3 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.2 U	9.3 U	6.5 U	NA	NA	8.8 U	8.2 U	9.3 U	6.6 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	29 U	19 U	33 U	NA	NA	31 U	29 U	19 U	33 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	29 U	19 U	33 U	NA	NA	31 U	29 U	19 U	33 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	72.4	58.31	83.98	69.9	79.3	75.68	68.32	51.8	74.89	83.6	84.2

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				09. Jet Engine Maintenance										
Location ID:				JBW7336A					JBW7338B					
Sample ID:				LORNG_JBW7336A_	LORNG_JBW7336A_	LORNG_JBW7336A_	LORNG_JBW7336A_	LORNG_JBW7336A_	LORNG_JBW7338B_	LORNG_JBW7338B_	LORNG_JBW7338B_	LORNG_JBW7338B_	LORNG_JBW7338B_	LORNG_JBW7338B_
Sample Date:				09192022	06152023	11012023	06032024	10172024	05092022	09272022	06132023	10312023	06212024	10212024
Sample Depth (ft bgs):				73-83	73-83	73-83	73-83	73-83	30-50	30-50	30-50	30-50	30-50	30-50
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.93580368	46.93580368	46.93580368	46.93580368	46.93580368	46.93752286	46.93752286	46.93752286	46.93752286	46.93752286	46.93752286
Longitude:				-67.89162611	-67.89162611	-67.89162611	-67.89162611	-67.89162611	-67.89098644	-67.89098644	-67.89098644	-67.89098644	-67.89098644	-67.89098644
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	5.9 J	5.5 J	14	6 J	5.4 J	7.8 J	35 J	4.4 J	6.9	9.4 J	8.8 J
Perfluoropentanoic acid (PFPeA)	-	-	-	8.9	7.6	8.2 J	5.7 J	8.4	10.5	27	5.7	7.1	6 J	9
Perfluorohexanoic acid (PFHxA)	990	-	-	7.8	6.4	5.4	4.4	8	10.2	19.1	6.2	6.8	7.2	8.1
Perfluoroheptanoic acid (PFHpA)	-	-	-	5.1	4.4	4.2	3.2 J	4.9	6.2	11.6	3.6	4.3	4.2	4.9
Perfluorooctanoic acid (PFOA)	0.0027	4	-	8	5.6	5.2	4.1	7.7	7.8	21.7	4.7	8	6	6.8
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	0.56 J	0.57 J	0.58 J	2 U	1 U	1.9 U	0.36 J	0.73 J	0.76 J	2.2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	1 U	1.8 U	2 U	1 U	1.9 U	1 U	0.92 U	1.8 U	2.2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.51 U	1.8 U	2 U	1 U	1.9 U	0.5 U	0.46 U	1.8 U	2.2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	1 U	1.8 U	2 U	1 U	1.9 U	1 U	0.92 U	1.8 U	2.2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	1 U	1.8 U	2 U	1 U	1.9 U	1 U	0.92 U	1.8 U	2.2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.51 U	1.8 U	2 U	1 U	1.9 U	0.5 U	0.46 U	1.8 U	2.2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3 J	1.7	1.5	1.2 J	3.2 J	3.1 J	7.7	2.3	3.8	3.2 J	4.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4.6	2.1	1.8	1.4 J	3.9 J	3.7 J	7.4	2.6	3.4	3.4 J	4.7 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	49.4	32	33	21.1	50.4	30.2	60.9	26	43	31.7	38.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 J	0.45 J	0.48 J	1.8 U	2.4 J	1 U	1.9 U	0.39 J	0.68 J	0.65 J	1 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	39.5	24	20	16.3	34	20.6	26.4	23	24	20.9	24.3
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.96 U	1.8 U	2 U	1 U	1.9 U	0.94 U	0.87 U	1.8 U	2.2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.48 U	1.8 U	2 U	1 U	1.9 U	0.47 U	0.43 U	1.8 U	2.2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.6 U	4 U	NA	NA	1 U	0.92 U	3.6 U	4.4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	1.9 U	7.3 U	8.1 U	2 U	3.7 U	1.9 U	1.8 U	7.3 U	44 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.7 U	1.9 U	1.9 U	7.3 U	8.1 U	2 U	3.7 U	32 J+	1.8 U	7.3 U	8.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.8 U	3.9 U	7.3 U	8.1 U	2 U	3.7 U	3.8 U	3.5 U	7.3 U	8.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	0.14 J	0.25 U	1.8 U	2 U	1 U	1.9 U	0.25 U	0.23 U	1.8 U	2.2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 UJ	1 U	1 U	3.6 UJ	4 U	10 U	3.7 UJ	1 U	0.92 U	3.6 U	4.4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.6 U	4 U	NA	NA	1 U	0.92 U	3.6 U	4.4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	1 U	3.6 U	4 U	2 U	3.7 U	1 U	0.92 U	3.6 U	4.4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1 U	1 U	3.6 U	4 U	2 U	3.7 U	1 U	0.92 U	3.6 U	4.4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	18 UJ	20 U	NA	NA	2.5 U	2.3 U	18 U	22 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5.1 U	18 UJ	20 U	NA	NA	5 U	4.6 U	18 U	22 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4.1 U	1.8 U	2 U	NA	NA	4 U	3.7 U	1.8 U	2.2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.9 U	3.6 U	4 U	NA	NA	3.8 U	3.5 U	3.6 U	4.4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	1.8 U	1.8 U	2 U	NA	NA	2 U	1.8 U	1.8 U	2.2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.51 U	3.6 U	4 U	NA	NA	0.5 U	0.46 U	3.6 U	4.4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	61 U	3.6 U	4 U	NA	NA	60 U	55 U	3.6 U	4.4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.7 U	3.6 U	4 U	NA	NA	6.6 U	6.1 U	3.6 U	4.4 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	6.6 U	6.7 U	3.6 U	4 U	NA	NA	6.6 U	6.1 U	3.6 U	4.4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.2 U	1.8 U	2 U	NA	NA	3.1 U	2.9 U	1.8 U	2.2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	9 U	9.1 U	10 U	NA	NA	8.8 U	8.1 U	9.1 U	11 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	32 U	18 U	20 U	NA	NA	31 U	29 U	18 U	22 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	32 U	18 U	20 U	NA	NA	31 U	29 U	18 U	22 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	102	66.56	62.97	45.28	97	64.8	120.6	57.66	80.03	63.56	74.9

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				09. Jet Engine Maintenance										
Location ID:				JBW7345B						JBW7348				
Sample ID:				LORNG_JBW7345B_05062022	LORNG_JBW7345B_09272022	LORNG_JBW7345B_05232023	LORNG_JBW7345B_10182023	LORNG_JBW7345B_05152024	LORNG_JBW7345B_10072024	LORNG_JBW7348_05052022	LORNG_JBW7348_09282022	LORNG_JBW7348_06212023	LORNG_JBW7348_06212023FD	LORNG_JBW7348_10302023
Sample Date:				5/6/2022	9/27/2022	5/23/2023	10/18/2023	5/15/2024	10/7/2024	5/5/2022	9/28/2022	6/21/2023	6/21/2023	10/30/2023
Sample Depth (ft bgs):				24-34	24-34	24-34	24-34	24-34	24-34	41-51	41-51	41-51	41-51	41-51
Sample Type:				N	N	N	N	N	N	N	N	N	FD	N
Latitude:				46.93787698	46.93787698	46.93787698	46.93787698	46.93787698	46.93787698	46.93845898	46.93845898	46.93845898	46.93845898	46.93845898
Longitude:				-67.89224256	-67.89224256	-67.89224256	-67.89224256	-67.89224256	-67.89224256	-67.89142853	-67.89142853	-67.89142853	-67.89142853	-67.89142853
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4.8 J	4.1 J	4.1 J	3.4 J	4.2 J	4.5 J	4.6 J	2.8 J	4.2 J	4.2 J	3.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	8	9.6	6.9	5.5 J	5.9 J	10	7.2	4	6.4	6.7	5.4
Perfluorohexanoic acid (PFHxA)	990	-	-	8.4	11.6	7.7	6 J	7	12	7.9	4.9	7.4	7.3	6.4
Perfluoroheptanoic acid (PFHpA)	-	-	-	5.2	6.6	5.1	4.1 J	4.7	7.2	4.8	2.9 J	4.8	4.7	4.4
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.8	11.5	6.3	4.9 J	5.5	13	5.8	4.5	5.7	6.1	6
Perfluorononanoic acid (PFNA)	5.9	10	-	0.86 U	1.9 U	0.36 J	0.4 J	1.9 U	1.1 J	0.86 U	1.8 U	0.43 J	0.38 J	0.43 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.86 U	1.9 U	1 U	1 UJ	1.9 U	0.9 U	0.86 U	1.8 U	1 U	1 U	0.89 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.86 U	1.9 U	0.5 U	0.5 UJ	1.9 U	1.3 U	0.86 U	1.8 U	0.5 U	0.5 U	0.44 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.86 U	1.9 U	1 U	1 UJ	1.9 U	0.9 U	0.86 U	1.8 U	1 U	1 U	0.89 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.86 U	1.9 U	1 U	1 UJ	1.9 U	1.3 U	0.86 U	1.8 U	1 U	1 U	0.89 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.86 U	1.9 U	0.5 U	0.5 UJ	1.9 U	0.9 U	0.86 U	1.8 U	0.5 U	0.5 U	0.44 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.4 J	2.3 J	2.3	1.9 J	2.2 J	2.1	1.6 J	1.7 J	1.8	1.8	1.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.1 J	2.8 J	2.8	1.9 J	3 J	2.6	2.3 J	1.4 J	2	2	2
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	25.2	36.6	28	25 J	29.5	44	23.2	15.6	25	24	24
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.86 U	1.9 U	0.42 J	0.4 J	0.77 J	0.62 J	0.86 U	1.8 U	0.32 J	0.31 J	0.39 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	22	42.3	24	23 J	25.7	49	20.4	25.8	24	24	25
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.86 U	1.9 U	0.94 U	0.94 UJ	1.9 U	1.2 U	0.86 U	1.8 U	0.94 U	0.94 U	0.83 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.86 U	1.9 U	0.47 U	0.47 UJ	1.9 U	1.2 U	0.86 U	1.8 U	0.47 U	0.47 U	0.42 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 UJ	3.7 U	0.9 U	NA	NA	1 U	1 U	0.89 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.7 U	3.7 U	1.9 U	1.9 UJ	7.4 U	3.4 U	1.7 U	3.6 U	1.9 U	1.9 U	1.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.7 U	3.7 U	1.9 U	1.9 UJ	7.4 U	3.5 U	1.7 U	3.6 U	1.9 U	0.89 J	1.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	1.7 U	3.7 U	3.8 U	3.8 UJ	7.4 U	5 U	1.7 U	3.6 U	3.8 U	3.8 U	3.4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.86 U	1.9 U	0.25 U	0.24 J	1.9 U	0.79 J	0.86 U	1.8 U	0.25 U	0.25 U	0.22 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1.7 U	3.7 UJ	1 U	1 UJ	3.7 U	1.3 U	8.6 U	3.6 UJ	1 U	1 U	0.89 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 UJ	3.7 UJ	1.3 U	NA	NA	1 U	1 U	0.89 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.7 U	3.7 U	1 U	1 UJ	3.7 U	1.3 U	1.7 U	3.6 U	1 U	1 U	0.89 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1.7 U	3.7 U	1 U	1 UJ	3.7 U	0.9 U	1.7 U	3.6 U	1 U	1 U	0.89 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 UJ	19 U	9 U	NA	NA	2.5 U	2.5 U	2.2 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 UJ	19 U	9 U	NA	NA	5 U	5 U	4.4 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 UJ	1.9 U	3.6 U	NA	NA	4 U	4 U	3.5 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 UJ	3.7 U	3.4 U	NA	NA	3.8 U	3.8 U	3.4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 UJ	1.9 U	3.1 U	NA	NA	2 U	2 U	1.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 UJ	3.7 U	1.3 U	NA	NA	0.5 U	0.5 U	0.44 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 UJ	3.7 U	26 U	NA	NA	60 U	60 U	53 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 UJ	3.7 U	3.4 U	NA	NA	6.6 U	6.6 U	5.9 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	NA	6.6 U	6.6 UJ	3.7 U	2.4 U	NA	NA	6.6 U	6.6 U	5.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 UJ	1.9 U	2.2 U	NA	NA	3.1 U	3.1 U	2.7 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 UJ	9.3 U	6.5 U	NA	NA	8.8 U	8.8 U	7.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 UJ	19 U	33 U	NA	NA	31 U	31 U	27 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 UJ	19 U	33 U	NA	NA	31 U	31 U	27 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	58.2	97	63.76	57.4	65.4	114.3	54.2	48.8	59.93	59.18	59.83

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				09. Jet Engine Maintenance										
Location ID:				JBW7348					JEBS-4				JMW0301C	
Sample ID:				LORNG_JBW7348_1	LORNG_JBW7348_0	LORNG_JBW7348_0	LORNG_JBW7348_1	LORNG_JBW7348_1	LORNG_JEBS-4_05052022	LORNG_JEBS-4_05102023	LORNG_JEBS-4_10312023	LORNG_JEBS-4_06212024	LORNG_JMW0301C_05052022	LORNG_JMW0301C_09192022
Sample Date:				0302023FD	6032024	6032024FD	0022024	0022024FD	5/5/2022	5/10/2023	10/31/2023	6/21/2024	5/5/2022	9/19/2022
Sample Depth (ft bgs):				41-51	41-51	41-51	41-51	41-51	19-34	19-34	19-34	19-34	49-59	49-59
Sample Type:				FD	N	FD	N	FD	N	N	N	N	N	N
Latitude:				46.93845898	46.93845898	46.93845898	46.93845898	46.93845898	46.93672392	46.93672392	46.93672392	46.93672392	46.93640862	46.93640862
Longitude:				-67.89142853	-67.89142853	-67.89142853	-67.89142853	-67.89142853	-67.89147317	-67.89147317	-67.89147317	-67.89147317	-67.89459827	-67.89459827
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.3 J	3.6 J	3.5 J	3.2 J	2.9 J	1.7 U	5.2 J	2.2 J	7.6 J	9.5	12.2
Perfluoropentanoic acid (PFPeA)	-	-	-	5.3	5.2 J	5 J	3.4 J	3.3 J	1.2 J	7.6	1.4 J	2.2 J	25.7	30.9
Perfluorohexanoic acid (PFHxA)	990	-	-	6.3	6	5.5	4.3	3.8	1.1 J	6.7	1.6	2 J	37.3	45.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	4.2	4.2	4	2.7 J	2.9 J	1.3 J	6.3	2.3	2.7 J	13.6	17.2
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.6	5.5	4.9	3.4 J	3.5 J	3 J	6.4	4.7	4.8	38.5	49.9
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 J	0.61 J	1.9 U	0.58 J	1.9 U	0.86 U	1.8	1.4 J	2.2 J	1.3 J	1.5 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U	1 U	0.94 U	1.9 U	0.86 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.47 U	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U	0.5 U	0.47 U	1.9 U	0.86 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U	1 U	0.94 U	1.9 U	0.86 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.93 U	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U	1 U	0.94 U	1.9 U	0.86 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.47 U	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U	0.5 U	0.47 U	1.9 U	0.86 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.6	1.5 J	1.4 J	1.6 J	1.3 J	0.86 U	1.2 J	0.84 J	0.94 J	4.9	9.8
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2	1.9 J	1.7 J	1.8 J	1.8 J	0.86 U	1.1 J	0.62 J	3.8 U	7.4	7.7
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	24	20.6	18.6	14.8	14.5	7.5	18	11	14.9	198	213
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.34 J	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U	0.35 J	0.27 J	1.9 U	3 J	3.1 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	20	20	18.2	18	18.9	12.7	24	18	17.7	107	125
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.88 U	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U	0.94 U	0.88 U	1.9 U	0.86 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.44 U	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U	0.47 U	0.44 U	1.9 U	0.86 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.93 U	3.8 U	3.8 U	3.7 U	3.7 U	NA	1 U	0.94 U	3.8 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.8 U	7.5 U	7.7 U	7.4 U	7.4 U	1.7 U	1.9 U	1.8 U	7.5 U	1.7 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.8 U	7.5 U	7.7 U	7.4 U	7.4 U	1.7 U	1.9 U	1.8 U	7.5 U	2.6 J	4.7 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.6 U	7.5 U	7.7 U	7.4 U	7.4 U	1.7 U	3.8 U	3.6 U	7.5 U	1.7 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.23 U	1.9 U	1.9 U	1.9 U	1.9 U	0.86 U	0.25 U	0.23 U	1.9 U	4.3	5.3
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0.93 U	3.8 UJ	3.8 UJ	3.7 U	3.7 U	8.6 UJ	1 U	0.94 U	3.8 U	8.6 U	3.7 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	0.93 U	3.8 U	3.8 U	3.7 U	3.7 U	NA	1 U	0.94 U	3.8 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	0.93 U	3.8 U	3.8 U	3.7 U	3.7 U	1.7 U	1 U	0.94 U	3.8 U	1.7 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.93 U	3.8 U	3.8 U	3.7 U	3.7 U	1.7 U	1 U	0.94 U	3.8 U	1.7 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.3 U	19 UJ	19 UJ	19 U	19 U	NA	2.5 U	2.3 U	19 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	4.7 U	19 UJ	19 UJ	19 U	19 U	NA	5 U	4.7 U	19 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.7 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	4 U	3.8 U	1.9 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	3.8 U	3.8 U	3.7 U	3.7 U	NA	3.8 U	3.6 U	3.8 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	2 U	1.9 U	1.9 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.47 U	3.8 U	3.8 U	3.7 U	3.7 U	NA	0.5 U	0.47 U	3.8 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	56 U	3.8 U	3.8 U	3.7 U	3.7 U	NA	60 U	56 U	3.8 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.2 U	3.8 U	3.8 U	3.7 U	3.7 U	NA	6.6 U	6.2 U	3.8 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.2 U	3.8 U	3.8 U	3.7 U	3.7 U	NA	6.6 U	6.2 U	3.8 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.9 U	1.9 U	1.9 U	1.9 U	1.9 U	NA	3.1 U	2.9 U	1.9 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.2 U	9.4 U	9.6 U	9.3 U	9.3 U	NA	8.8 U	8.3 U	9.4 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	29 U	19 U	19 U	19 U	19 U	NA	31 U	29 U	19 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	29 U	19 U	19 U	19 U	19 U	NA	31 U	29 U	19 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	54.3	50.91	45.7	39.48	39.8	24.5	56.5	37.4	42.3	358.4	406.6

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				09. Jet Engine Maintenance										
Location ID:				JMW0301C				JMW1665						
Sample ID:				LORNG_JMW0301C_06082023	LORNG_JMW0301C_11022023	LORNG_JMW0301C_06122024	LORNG_JMW0301C_10182024	LORNG_JMW1665_05052022	LORNG_JMW1665_09272022	LORNG_JMW1665_09272022FD	LORNG_JMW1665_05182023	LORNG_JMW1665_1012023	LORNG_JMW1665_06072024	LORNG_JMW1665_0032024
Sample Date:				6/8/2023	11/2/2023	6/12/2024	10/18/2024	5/5/2022	9/27/2022	9/27/2022	5/18/2023	11/1/2023	6/7/2024	10/3/2024
Sample Depth (ft bgs):				49-59	49-59	49-59	49-59	26-36	26-36	26-36	26-36	26-36	26-36	26-36
Sample Type:				N	N	N	N	N	N	FD	N	N	N	N
Latitude:				46.93640862	46.93640862	46.93640862	46.93640862	46.9383684	46.9383684	46.9383684	46.9383684	46.9383684	46.9383684	46.9383684
Longitude:				-67.89459827	-67.89459827	-67.89459827	-67.89459827	-67.8884309	-67.8884309	-67.8884309	-67.8884309	-67.8884309	-67.8884309	-67.8884309
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	11	11 J+	9.6 J	7.6 J	8.9	6.6 J	6.1 J	6.3 J	6.6	4 J	4.8 J
Perfluoropentanoic acid (PFPeA)	-	-	-	33	30	25.5	20.5	17.4	10.6	10.2	12	12	5 J	7.3
Perfluorohexanoic acid (PFHxA)	990	-	-	47	46	43.1	27.9	14.2	10.7	10	11	10	5.3	7.1
Perfluoroheptanoic acid (PFHpA)	-	-	-	16	16	18.7	9.9	9.3	6.8	6.6	7.4	8	3.6 J	5.3
Perfluorooctanoic acid (PFOA)	0.0027	4	-	48	49	52.5	25.6	9	8.6	8.4	7.7	7.9	4.6	5.2 J+
Perfluorononanoic acid (PFNA)	5.9	10	-	1.5 J	2	1.9 J	0.77 J	0.86 U	2 U	1.9 U	0.73 J	0.72 J	1.9 U	1.8 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	0.92 U	2 U	2.4 U	0.86 U	2 U	1.9 U	1 U	0.96 U	1.9 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.46 U	2 U	2.4 U	0.86 U	2 U	1.9 U	0.5 U	0.48 U	1.9 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	0.92 U	2 U	2.4 U	0.86 U	2 U	1.9 U	1 U	0.96 U	1.9 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	0.92 U	2 U	2.4 U	0.86 U	2 U	1.9 U	1 U	0.96 U	1.9 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.46 U	2 U	2.4 U	0.86 U	2 U	1.9 U	0.5 U	0.48 U	1.9 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	5.6	5.5 J+	5.2	4 J	2.6 J	3.6 J	3.5 J	2.5	2.4	1.7 J	2.3 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	7.6	7.4 J+	8.1	5 J	3.5	4.6	4.5	2.9	3.2	2.7 J	3 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	250	270 J+	275	151	30.9	46.2	45.5	34	37	28.5	33.4
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2.1	2 J+	3.4 J	2 J	1 J	1.3 J	1.3 J	0.58 J	0.69 J	1.9 U	0.86 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	110	220 J+	121	70.1	35.5	55.5	54.9	39	49	24.9	33.1
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.87 UJ	2 U	2.4 U	0.86 U	2 U	1.9 U	0.94 U	0.9 U	1.9 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.43 UJ	2 U	2.4 U	0.86 U	2 U	1.9 U	0.47 U	0.45 U	1.9 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	0.92 UJ	4 U	4.8 U	NA	NA	NA	1 U	0.96 U	3.7 U	3.6 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.8 U	7.9 U	9.5 U	1.7 U	4.1 U	3.8 U	1.9 U	1.8 U	7.4 U	7.3 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.8 U	5.3 J	9.5 U	1.7 U	6.6 J	8	1.9 U	1.8 U	7.4 U	7.3 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.5 U	7.9 U	9.5 U	1.7 U	4.1 U	3.8 U	3.8 U	3.6 U	7.4 U	7.3 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	3.5 J	7.4	9	4.1 J	0.86 U	2 U	1.9 U	0.23 J	0.36 J	0.63 J	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	0.92 U	4 U	4.8 U	1.7 U	4.1 UJ	19 UJ	1 U	0.96 U	3.7 U	3.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	0.92 U	4 U	4.8 U	NA	NA	NA	1 U	0.96 U	3.7 U	3.6 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	0.92 U	4 U	4.8 U	1.7 U	4.1 U	3.8 U	1 U	0.96 U	3.7 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	0.92 U	4 U	4.8 UJ	1.7 U	4.1 U	3.8 U	1 U	0.96 U	3.7 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.3 U	20 U	24 U	NA	NA	NA	2.5 U	2.4 U	19 U	18 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	4.6 U	20 U	24 U	NA	NA	NA	5 U	4.8 U	19 U	18 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	3.7 U	2 U	2.4 U	NA	NA	NA	4 U	3.8 U	1.9 U	1.8 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.5 U	4 U	4.8 U	NA	NA	NA	3.8 U	3.6 U	3.7 U	3.6 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 U	2 U	2.4 U	NA	NA	NA	2 U	1.9 U	1.9 U	1.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.46 U	4 U	4.8 U	NA	NA	NA	0.5 U	0.48 U	3.7 U	3.6 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	55 U	4 U	4.8 U	NA	NA	NA	60 U	57 U	3.7 U	3.6 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.1 U	4 U	4.8 U	NA	NA	NA	6.6 U	6.3 U	3.7 U	3.6 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.1 U	4 U	4.8 U	NA	NA	NA	6.6 U	6.3 U	3.7 U	3.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	2.9 U	2 U	2.4 U	NA	NA	NA	3.1 U	3 U	1.9 U	1.8 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.1 U	9.9 U	12 U	NA	NA	NA	8.8 U	8.4 U	9.3 U	9.1 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	29 U	20 U	24 U	NA	NA	NA	31 U	30 U	19 U	18 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	29 U	20 U	24 U	NA	NA	NA	31 U	30 U	19 U	18 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	425.5	557	469.1	257.37	84.7	117.1	115.4	88.83	102.62	61.6	77

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				09, Jet Engine Maintenance										
Location ID:				JMW1684										JMW1762
Sample ID:				LORNG_JMW1684_0	LORNG_JMW1684_0	LORNG_JMW1684_0	LORNG_JMW1684_0	LORNG_JMW1684_1	LORNG_JMW1684_1	LORNG_JMW1684_0	LORNG_JMW1684_0	LORNG_JMW1684_1	LORNG_JMW1684_1	LORNG_JMW1762_0
Sample Date:				5052022	9272022	5222023	5222023FD	0302023	0302023FD	6062024	6062024FD	0022024	0022024FD	5052022
Sample Depth (ft bgs):				28-43	28-43	28-43	28-43	28-43	28-43	28-43	28-43	28-43	28-43	22-32
Sample Type:				N	N	N	FD	N	FD	N	FD	N	FD	N
Latitude:				46.78110966	46.78110966	46.78110966	46.78110966	46.78110966	46.78110966	46.78110966	46.78110966	46.78110966	46.78110966	46.9337195
Longitude:				-67.66497846	-67.66497846	-67.66497846	-67.66497846	-67.66497846	-67.66497846	-67.66497846	-67.66497846	-67.66497846	-67.66497846	-67.8940682
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	7.7	3.3 J	4.9 J	4.9 J	4.9 J	5.2 J	3.8 J	3.9 J	5.4 J	4.9 J	3.7 J
Perfluoropentanoic acid (PFPeA)	-	-	-	13.5	4.6	6.9	7	8.1	8.3	7.7	7.7	7.2 J	9.6	5.5
Perfluorohexanoic acid (PFHxA)	990	-	-	14.4	3.9	6.6	6.7	8.2	8.2	8	8	6.8	7.5	4.2
Perfluoroheptanoic acid (PFHpA)	-	-	-	8.3	2.3 J	4.4	4.7	5.6	5.5	4.6	4.4	4.3	4.3	2.6 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	7.9	2.3 J	4.8	5	5.9	5.8	4.8	4.6	4.5	4.7	3.2 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.86 U	1.9 U	0.47 J	0.45 J	0.56 J	0.62 J	1.8 U	1.8 U	0.58 J	0.62 J	0.86 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.86 U	1.9 U	1 U	1 U	1 U	0.95 U	1.8 U	1.8 U	1.9 U	1.9 U	0.86 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.86 U	1.9 U	0.5 U	0.5 U	0.5 U	0.48 U	1.8 U	1.8 U	1.9 U	1.9 U	0.86 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.86 U	1.9 U	1 U	1 U	1 U	0.95 U	1.8 U	1.8 U	1.9 U	1.9 U	0.86 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.86 U	1.9 U	1 U	1 U	1 U	0.95 U	1.8 U	1.8 U	1.9 U	1.9 U	0.86 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.86 U	1.9 U	0.5 U	0.5 U	0.5 U	0.48 U	1.8 U	1.8 U	1.9 U	1.9 U	0.86 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	5.2	1.6 J	2.9	3	3	2.9	1.7 J	1.9 J	2.5 J	2.6 J	1.5 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	7.2	1.8 J	3.5	3.4	3.8	3.7	2.7 J	2.7 J	3.3 J	3.5 J	2.3 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	45.1	15	31	32	36	36	24.4	24.8	25.8	26.1	19.7
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.2 J	1.9 U	0.63 J	0.53 J	0.7 J	0.65 J	1.8 U	0.68 J	0.9 J	0.78 J	0.86 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	34.8	14.4	34	33	44	43	30.1	29.5	32.7	33.2	14.4
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.86 U	1.9 U	0.94 U	0.94 U	0.95 U	0.9 U	1.8 U	1.8 U	1.9 U	1.9 U	0.86 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.86 U	1.9 U	0.47 U	0.47 U	0.47 U	0.45 U	1.8 U	1.8 U	1.9 U	1.9 U	0.86 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	1 U	0.95 U	3.6 U	3.6 U	3.8 U	3.8 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.7 U	3.7 U	1.9 U	1.9 U	1.9 U	1.8 U	7.3 U	7.2 U	7.5 U	7.5 U	1.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.7 U	3.7 U	1.9 U	1.9 U	1.9 U	1.8 U	7.3 U	7.2 U	7.5 U	7.5 U	1.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	1.7 U	3.7 U	3.8 U	3.8 U	3.8 U	3.6 U	7.3 U	7.2 U	7.5 U	7.5 U	1.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.86 U	1.9 U	0.25 U	0.25 U	0.25 U	0.24 U	1.8 U	1.8 U	1.9 U	1.9 U	0.86 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	8.6 U	3.7 UJ	1 U	1 U	1 U	0.95 U	3.6 U	3.6 U	3.8 U	3.8 U	8.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	1 U	0.95 U	3.6 U	3.6 U	3.8 U	3.8 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.7 U	3.7 U	1 U	1 U	1 U	0.95 U	3.6 U	3.6 U	3.8 U	3.8 U	1.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1.7 U	3.7 U	1 U	1 U	1 U	0.95 U	3.6 U	3.6 U	3.8 U	3.8 U	1.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	2.5 U	2.4 U	18 U	18 U	19 U	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	5 U	4.8 U	18 U	18 U	19 U	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	4 U	3.8 U	1.8 U	1.8 U	1.9 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.8 U	3.6 U	3.6 U	3.6 U	3.8 U	3.8 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	2 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	0.5 U	0.48 U	3.6 U	3.6 U	3.8 U	3.8 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	61 U	57 U	3.6 U	3.6 U	3.8 U	3.8 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	6.7 U	6.3 U	3.6 U	3.6 U	3.8 U	3.8 U	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	NA	6.6 U	6.6 U	6.7 U	6.3 U	3.6 U	3.6 U	3.8 U	3.8 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	3.1 U	3 U	1.8 U	1.8 U	1.9 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	8.9 U	8.4 U	9.1 U	9 U	9.4 U	9.4 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	31 U	30 U	18 U	18 U	19 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	31 U	30 U	18 U	18 U	19 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	96.1	34	74.67	75.15	92.06	90.92	63.9	63.3	67.88	68.92	39.9

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				09. Jet Engine Maintenance										
Location ID:				JMW1762					OW09001					
Sample ID:				LORNG_JMW1762_0	LORNG_JMW1762_0	LORNG_JMW1762_1	LORNG_JMW1762_0	LORNG_JMW1762_1	LORNG_OW09001_0	LORNG_OW09001_0	LORNG_OW09001_0	LORNG_OW09001_0	LORNG_OW09001_1	LORNG_OW09001_1
Sample Date:				9182022	5222023	0172023	5152024	0042024	8022022	9302022	5182023	5182023FD	0262023	0262023FD
Sample Depth (ft bgs):				22-32	22-32	22-32	22-32	22-32	10-20	10-20	10-20	10-20	10-20	10-20
Sample Type:				N	N	N	N	N	N	N	N	FD	N	FD
Latitude:				46.9337195	46.9337195	46.9337195	46.9337195	46.9337195	46.9360686	46.9360686	46.9360686	46.9360686	46.9360686	46.9360686
Longitude:				-67.8940682	-67.8940682	-67.8940682	-67.8940682	-67.8940682	-67.8958709	-67.8958709	-67.8958709	-67.8958709	-67.8958709	-67.8958709
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.1 J	3 J	3.3 J	5.5 J	4.6 J	6 J	11.1	7	6.3 J	7.7	7.9
Perfluoropentanoic acid (PFPeA)	-	-	-	5.4	3.5	5	5 J	4.8	18.7	32.4	18	16	14	16
Perfluorohexanoic acid (PFHxA)	990	-	-	4.2	3	4.7	4.8 J	4.1	19.8	42.6	26	23	21	24
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.9 J	2.2	2.7	3.3 J	2.9	8.4	18.6	9.4	8.3	7.7	8.8
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.3	3.2	4.3	3.7	4.8	21.6	44	25	22	21	23
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	0.25 J	0.3 J	1.8 U	0.44 J	2 U	1.7 J	1 J	0.89 J	1.1 J	1.1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	0.89 U	1.8 U	0.92 U	2 U	8.9 U	1 U	1 U	0.97 U	0.96 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.45 U	1.8 U	1.4 U	2 U	8.9 UJ	0.5 U	0.5 U	0.49 U	0.48 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	0.89 UJ	1.8 U	0.92 U	2 U	8.9 UJ	1 U	1 U	0.97 U	0.96 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	0 R	1.8 U	1.4 U	2 U	8.9 UJ	1 U	1 U	0.97 U	0.96 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0 R	1.8 U	0.92 U	2 U	8.9 UJ	0.5 U	0.5 U	0.49 U	0.48 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.1 J	1.6	1.9	1.7 J	1.2 J	4	5.9	3.8	3.4	3.3	3.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.5 J	2.1	2.3	2.3 J	1.3 J	4.4	7.4	4.9	4.5	4	4.4
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	14.1	23	28	26.6	17	106	215	160	130	150	140
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	0.48 J	0.55 J	0.9 J	0.52 J	1.8 J	8.9 U	1.3 J	1.3 J	1.4 J	1.4 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	15.8	18	23 J	14.9	17	67.4	148	78	68	65	76
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.84 UJ	1.8 U	1.3 U	2 U	8.9 U	0.94 U	0.94 U	0.91 U	0.91 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.42 UJ	1.8 U	1.3 U	2 U	8.9 UJ	0.47 U	0.47 U	0.46 U	0.45 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	0.89 UJ	3.6 U	0.92 U	NA	NA	1 U	1 U	0.97 U	0.96 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	1.7 U	7.3 U	3.5 U	4 U	18 U	1.9 U	1.9 U	1.8 U	1.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.7 U	1.9 U	1.7 U	7.3 U	3.6 U	4 U	3.6 U	1.9 U	1.9 U	1.8 U	1.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.8 U	3.4 U	7.3 U	5.1 U	4 U	3.6 UJ	3.8 U	3.8 U	3.7 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	0.25 U	0.22 UJ	1.8 U	0.67 U	2.7 J	6.3	3.1	2.8	1.7	1.8
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	1 U	0 R	3.6 U	1.4 U	4 UJ	18 UJ	1 U	1 U	0.97 U	0.96 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	0 R	3.6 UJ	1.4 U	NA	NA	1 U	1 U	0.97 U	0.96 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	0.89 UJ	3.6 U	1.4 U	4 U	18 U	1 U	1 U	0.97 U	0.96 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1 U	0.89 UJ	3.6 U	0.92 U	4 U	18 U	1 U	1 U	0.97 U	0.96 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	0 R	18 U	9.2 U	NA	NA	2.5 U	2.5 U	2.4 U	2.4 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	0 R	18 U	9.2 U	NA	NA	5 U	5 U	4.9 U	4.8 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	3.6 U	1.8 U	3.7 U	NA	NA	4 U	4 U	3.9 U	3.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.4 U	3.6 U	3.5 U	NA	NA	3.8 U	3.8 U	3.7 U	3.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	1.8 U	1.8 U	3.1 U	NA	NA	2 U	2 U	1.9 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.45 U	3.6 U	1.4 U	NA	NA	0.5 U	0.5 U	0.49 U	0.48 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	54 U	3.6 U	27 U	NA	NA	60 U	60 U	58 U	58 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	5.9 U	3.6 U	3.5 U	NA	NA	6.6 U	6.6 U	6.4 U	6.4 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	5.9 U	3.6 U	2.5 U	NA	NA	6.6 U	6.6 U	6.4 U	6.4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	2.8 U	1.8 U	2.3 U	NA	NA	3.1 U	3.1 U	3 U	3 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	7.9 U	9.1 U	6.7 U	NA	NA	8.8 U	8.8 U	8.6 U	8.5 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	28 U	18 U	33 U	NA	NA	31 U	31 U	30 U	30 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	28 U	18 U	33 U	NA	NA	31 U	31 U	30 U	30 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	38.1	46.65	58.3	48.5	42.14	203.4	427.3	273.4	229.19	244.8	248.9

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				09. Jet Engine Maintenance				14. Hardstand 19						16. Fuel Tank Farm
Location ID:				OW09001				JBW7614						BW16001
Sample ID:				LORNG_OW09001_0	LORNG_OW09001_0	LORNG_OW09001_0	LORNG_OW09001_0	LORNG_JBW7614_0	LORNG_JBW7614_0	LORNG_JBW7614_0	LORNG_JBW7614_1	LORNG_JBW7614_0	LORNG_JBW7614_1	LORNG_BW16001_0
Sample Date:				5/23/2024	5/23/2024	9/26/2024	9/26/2024	5/8/2022	9/28/2022	6/5/2023	01/9/2023	5/15/2024	001/2024	8/08/2022
Sample Depth (ft bgs):				10-20	10-20	10-20	10-20	20-62	20-62	20-62	20-62	20-62	20-62	95-105
Sample Type:				N	FD	N	FD	N	N	N	N	N	N	N
Latitude:				46.9360686	46.9360686	46.9360686	46.9360686	46.9403882	46.9403882	46.9403882	46.9403882	46.9403882	46.9403882	46.9278482
Longitude:				-67.8958709	-67.8958709	-67.8958709	-67.8958709	-67.905251	-67.905251	-67.905251	-67.905251	-67.905251	-67.905251	-67.8812727
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.6 J	7.1 J	8 J	6.5 J	1.7 U	3.6 U	2.1 J	2.2 J	3 J	3.9 U	4 U
Perfluoropentanoic acid (PFPeA)	-	-	-	12.5	13.3	20.4	16.5	1.2 J	1.1 J	1.9 J	2.1 J	2.2 J	0.96 J	2 U
Perfluorohexanoic acid (PFHxA)	990	-	-	18.6	21	28.4	22	0.86 U	1.8 U	1.5 J	1.6 J	1.9 J	0.86 J	2 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	7.3	8.1	10.9	8.7	0.86 U	1.8 U	0.79 J	0.84 J	1.1 J	1.9 U	2 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	16.9	18.4	30.7	26	1.2 J	1.5 J	1.8	1.8	2.1 J	1.1 J	2 U
Perfluorononanoic acid (PFNA)	5.9	10	-	0.8 J	0.7 J	1.2 J	1.2 J	0.86 U	1.8 U	0.17 J	0.21 J	1.9 U	1.9 U	2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.8 U	1.9 U	1.8 U	0.86 U	1.8 U	1 U	1.1 U	1.9 U	1.9 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.8 U	1.9 U	1.8 U	0.86 U	1.8 U	0.5 U	0.54 U	1.9 U	1.9 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.8 U	1.9 U	1.8 U	0.86 U	1.8 U	1 U	1.1 U	1.9 U	1.9 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.8 U	1.9 U	1.8 U	0.86 U	1.8 U	1 U	1.1 U	1.9 U	1.9 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.8 U	1.9 U	1.8 U	0.86 U	1.8 U	0.5 U	0.54 U	1.9 U	1.9 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.2 J	3.5 J	4.4	3.2 J	0.86 U	1.8 U	0.55 J	0.56 J	0.57 J	1.9 U	2 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4.1 J	4.5	5.4	5.3	0.86 U	1.8 U	0.44 J	0.4 J	3.7 U	3.9 U	2 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	126	140	179	161	1.5 J	1.9 J	3.6	4.1	4.5	3 J	2 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.6 J	2.1 J	2.8 J	2.2 J	0.86 U	1.8 U	0.47 U	0.51 U	1.9 U	1.9 U	2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	48.3	55.4	94.3	75.9	2.9 J	2.9 J	4.4	7.1	13.7	6.5	2 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.8 U	1.9 U	1.8 U	0.86 U	1.8 U	0.94 U	1 U	1.9 U	1.9 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.8 U	1.9 U	1.8 U	0.86 U	1.8 U	0.47 U	0.51 U	1.9 U	1.9 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	NA	NA	1 U	1.1 U	3.7 U	3.9 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.5 U	7.3 U	7.7 U	7.3 U	1.7 U	3.6 U	1.9 U	2.1 U	7.4 U	7.8 U	4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.5 U	7.3 U	7.7 U	7.3 U	1.7 U	3.6 U	1.9 U	2.1 U	7.4 U	7.8 U	4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.5 U	7.3 U	7.7 U	7.3 U	1.7 U	3.6 U	3.8 U	4.1 U	7.4 U	7.8 U	4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 J	2.3 J	4.7	3.5 J	0.86 U	1.8 U	0.25 U	0.27 U	1.9 U	1.9 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	1.7 U	18 U	1 U	1.1 U	3.7 U	3.9 U	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	NA	NA	1 U	1.1 U	3.7 U	3.9 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	1.7 U	3.6 U	1 U	1.1 U	3.7 U	3.9 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	1.7 U	3.6 U	1 U	1.1 U	3.7 U	3.9 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	18 U	19 U	18 U	NA	NA	2.5 U	2.7 U	19 U	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	18 U	19 U	18 U	NA	NA	5 U	5.4 U	19 U	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	1.8 U	1.9 U	1.8 U	NA	NA	4 U	4.3 U	1.9 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	NA	NA	3.8 U	4.1 U	3.7 U	3.9 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.8 U	1.9 U	1.8 U	NA	NA	2 U	2.2 U	1.9 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	NA	NA	0.5 U	0.54 U	3.7 U	3.9 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	NA	NA	60 U	65 U	3.7 U	3.9 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	NA	NA	6.6 U	7.2 U	3.7 U	3.9 U	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	NA	NA	6.6 U	7.2 U	3.7 U	3.9 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	1.8 U	1.9 U	1.8 U	NA	NA	3.1 U	3.4 U	1.9 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.4 U	9.1 U	9.6 U	9.2 U	NA	NA	8.8 U	9.5 U	9.3 U	9.7 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	18 U	19 U	18 U	NA	NA	31 U	34 U	19 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	18 U	19 U	18 U	NA	NA	31 U	34 U	19 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	199.3	222.6	316.1	272.8	5.6	6.3	10.76	14.05	21.4	10.6	12 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4											
Area:				16. Fuel Tank Farm											
Location ID:				BW16001								BW16002			
Sample ID:				LORNG_BW16001_1	LORNG_BW16001_0	LORNG_BW16001_1	LORNG_BW16001_0	LORNG_BW16001_0	LORNG_BW16001_0	LORNG_BW16001_0	LORNG_BW16001_0	LORNG_BW16002_0	LORNG_BW16002_1	LORNG_BW16002_0	LORNG_BW16002_1
Sample Date:				0012022	5092023	0092023	5062024	5062024FD	9252024	9252024FD	8072022	0012022	5102023	0172023	
Sample Depth (ft bgs):				95-105	95-105	95-105	95-105	95-105	95-105	95-105	95-105	90-100	90-100	90-100	90-100
Sample Type:				N	N	N	N	FD	N	FD	N	N	N	N	
Latitude:				46.9278482	46.9278482	46.9278482	46.9278482	46.9278482	46.9278482	46.9278482	46.9264501	46.9264501	46.9264501	46.9264501	
Longitude:				-67.8812727	-67.8812727	-67.8812727	-67.8812727	-67.8812727	-67.8812727	-67.8812727	-67.8953791	-67.8953791	-67.8953791	-67.8953791	
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.6 U	2 U	2 U	3.8 U	3.8 U	3.7 U	3.6 U	3.8 U	2.1 J	1.1 J	1.1 J	1.1 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.8 U	0.5 U	0.5 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 J	2 J	1.2 J	1.2 J	1.7 J
Perfluorohexanoic acid (PFHxA)	990	-	-	1.8 U	0.5 U	0.39 J	1.9 U	1.9 U	1.9 U	1.8 U	1.3 J	1.3 J	1.8	1.8	2.7
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.8 U	0.5 U	0.5 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	0.27 J	0.27 J	0.3 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.8 U	0.25 U	0.25 U	0.94 U	0.94 U	0.93 U	0.89 U	1.9 U	1.8 U	0.2 J	0.2 J	0.23 U
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	0.5 U	0.5 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	0.5 U	0.5 U	0.45 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1 U	1 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1 U	1 U	0.91 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	0.5 U	0.5 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	0.5 U	0.5 U	0.45 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1 U	1 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1 U	1 U	0.91 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1 U	1 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1 U	1 U	0 R
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	0.5 U	0.5 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.9 U	8.9 UJ	0.5 U	0 R
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.8 U	0.44 U	0.44 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	0.17 J	0.17 J	0.4 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.8 U	0.47 U	0.47 U	3.8 U	3.8 U	3.7 U	3.6 U	1.9 U	1.8 U	0.47 U	0.47 U	0.43 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1.8 U	0.47 U	0.47 U	1.9 U	1.9 U	1.9 U	1.8 U	1.2 J	1.8 U	0.66 J	0.66 J	0.96 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	0.47 U	0.47 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	0.47 U	0.47 U	0.43 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.8 U	0.47 U	0.47 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	0.58 J	0.58 J	0.43 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	0.94 U	0.94 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	0.94 U	0.94 U	0.85 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	0.47 U	0.47 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	0.47 U	0.47 U	0.43 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.8 U	3.8 U	3.7 U	3.6 U	NA	NA	1 U	1 U	0.91 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.6 U	1.9 U	1.9 U	7.5 U	7.5 U	7.5 U	7.1 U	3.8 U	3.6 U	1.9 U	1.9 U	1.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.6 U	1.9 U	1.9 U	7.5 U	7.5 U	7.5 U	7.1 U	3.8 U	3.6 U	1.9 U	1.9 U	1.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.6 U	3.8 U	3.8 U	7.5 U	7.5 U	7.5 U	7.1 U	3.8 U	3.6 U	3.8 U	3.8 U	3.5 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	0.25 U	0.25 U	1.9 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	0.25 U	0.25 U	0.23 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	18 UJ	1 U	1 U	3.8 U	3.8 U	3.7 U	3.6 U	3.8 UJ	18 U	1 U	1 U	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.8 U	3.8 U	3.7 U	3.6 U	NA	NA	1 U	1 U	0 R
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	1 U	1 U	3.8 U	3.8 U	3.7 U	3.6 U	3.8 U	3.6 U	1 U	1 U	0.91 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	1 U	1 U	3.8 U	3.8 U	3.7 U	3.6 U	3.8 U	3.6 U	1 U	1 U	0.91 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	19 U	19 U	19 U	18 U	NA	NA	2.5 U	2.5 U	2.3 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	19 U	19 U	19 U	18 U	NA	NA	5 U	5 U	0 R
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	1.9 U	1.9 U	1.9 U	1.8 U	NA	NA	4 U	4 U	3.6 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.8 U	3.8 U	3.7 U	3.6 U	NA	NA	3.8 U	3.8 U	3.5 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	NA	NA	2 U	2 U	1.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	3.8 U	3.8 U	3.7 U	3.6 U	NA	NA	0.5 U	0.5 U	0.45 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	3.8 U	3.8 U	3.7 U	3.6 U	NA	NA	60 U	60 U	55 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	3.8 U	3.8 U	3.7 U	3.6 U	NA	NA	6.6 U	6.6 U	6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.6 U	3.8 U	3.8 U	3.7 U	3.6 U	NA	NA	6.6 U	6.6 U	6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	1.9 U	1.9 U	1.9 U	1.8 U	NA	NA	3.1 U	3.1 U	2.8 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	9.4 U	9.4 U	9.3 U	8.9 U	NA	NA	8.8 U	8.8 U	8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	19 U	19 U	19 U	18 U	NA	NA	31 U	31 U	28 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	19 U	19 U	19 U	18 U	NA	NA	31 U	31 U	28 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	10.8 U	3.19 U	3.19 U	10.44 U	10.44 U	10.43 U	9.89 U	1.2	10.8 U	1.71	1.71	1.26

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				16. Fuel Tank Farm										
Location ID:				BW16002		BW16003	JMW-0602							
Sample ID:				LORNG_BW16002_0	LORNG_BW16002_0	LORNG_BW16003_1	LORNG_JMW0602_0	LORNG_JMW0602_0	LORNG_JMW-	LORNG_JMW-	LORNG_JMW-	LORNG_JMW-	LORNG_JMW-	LORNG_JMW-
Sample Date:				5032024	9262024	0222024	5192022	9182022	0602_05102023	0602_05102023FD	0602_10172023	0602_10172023FD	0602_05152024	0602_05152024FD
Sample Depth (ft bgs):				90-100	90-100	90-100	80-90	80-90	80-90	80-90	80-90	80-90	80-90	80-90
Sample Type:				N	N	N	N	N	N	FD	N	FD	N	FD
Latitude:				46.9264501	46.9264501	46.92994724	46.92774986	46.92774986	46.92774986	46.92774986	46.92774986	46.92774986	46.92774986	46.92774986
Longitude:				-67.8953791	-67.8953791	-67.88353334	-67.88750421	-67.88750421	-67.88750421	-67.88750421	-67.88750421	-67.88750421	-67.88750421	-67.88750421
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	33 U	0 R	2.7 J	3.7 J	2.1 J	2.5 J	2.5 J	12	13	3.9 U	4 U
Perfluoropentanoic acid (PFPeA)	-	-	-	1.8 U	1.9 UJ	3.3 J	3.9 J	1.9 J	2.2 J	2.3 J	3.2	3.3	3.6 J	3.3 J
Perfluorohexanoic acid (PFHxA)	990	-	-	2.1 J	2.2 J	3.9 J	7.3 J	2 J	3.9	3.8	7.9	8.2	8.8	9.1
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.8 U	1.9 U	1.3 J	2.8 J	1 J	1.5 J	1.6	2.4	2.8	2.5 J	2.7 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.91 U	0.94 U	1.7 J	11.3	3.7	5.8	5.8	11	12	13.4	13.6
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	1.9 U	2.1 U	0.96 U	1.8 U	0.24 J	0.26 J	0.37 J	0.42 J	2 U	2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1.9 U	2.1 U	0.96 U	1.8 U	1 U	1 U	0.93 U	0.95 U	2 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	1.9 U	2.1 U	0.96 U	1.8 U	0.5 U	0.5 U	0.47 U	0.47 U	2 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1.9 U	2.1 U	0.96 U	1.8 U	1 U	1 U	0.93 U	0.95 U	2 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1.9 U	2.1 U	0.96 U	1.8 U	1 U	1 U	0.93 U	0.95 U	2 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	1.9 U	2.1 U	0.96 U	1.8 U	0.5 U	0.5 U	0.47 U	0.47 U	2 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.8 U	1.9 U	1.8 J	1.9 J	1.8 U	1.4 J	1.4	2.1	1.9	2.1 J	2.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.6 U	3.8 U	1.7 J	2.6 J	1.8 U	1.5	1.6	2.4	2.5	3 J	3.1 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.86 J	0.91 J	10.4	38.9	11.9	22	23	42	45	49.4	51.5
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	1.9 U	2.1 U	0.96 U	1.8 U	0.47 J	0.5 J	0.98 J	0.97 J	1.8 J	1.7 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.8 U	1.8 J	10.9	42.8	18.2	25	25	50	53	57.1	56.5
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	1.9 U	2.1 U	0.96 U	1.8 U	0.94 U	0.94 U	0.88 U	0.89 U	2 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	1.9 U	2.1 U	0.96 U	1.8 U	0.47 U	0.47 U	0.44 U	0.45 U	2 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	3.8 U	4.3 U	NA	NA	1 U	1 U	0.93 U	0.95 U	3.9 U	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	7.5 U	8.5 U	1.9 U	3.6 U	1.9 U	1.9 U	1.8 U	1.8 U	7.8 U	8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.3 U	25.4	8.5 U	1.9 U	3.6 U	1.9 U	1.9 U	1.8 U	0.9 J	7.8 U	8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.3 U	7.5 U	8.5 U	1.9 U	3.6 U	3.8 U	3.8 U	3.6 U	3.6 U	7.8 U	8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	1.9 U	2.1 U	0.96 U	1.8 U	0.48 J	0.45 J	2.4 J	4.7 J	0.89 J	0.95 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	3.8 U	4.3 U	9.6 UJ	18 UJ	1 U	1 U	0.93 U	0.95 U	3.9 U	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 UJ	3.8 U	4.3 U	NA	NA	1 U	1 U	0.93 U	0.95 U	3.9 UJ	4 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	3.8 U	4.3 U	1.9 U	3.6 U	1 U	1 U	0.93 U	0.95 U	3.9 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	3.8 U	4.3 UJ	1.9 U	3.6 U	1 U	1 U	0.93 U	0.95 U	3.9 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	19 U	21 U	NA	NA	2.5 U	2.5 U	2.3 U	2.4 U	20 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	19 U	21 U	NA	NA	5 U	5 U	2 J	4.5 J	20 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	1.9 U	2.1 U	NA	NA	4 U	4 U	3.7 U	3.8 U	2 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	3.8 U	4.3 U	NA	NA	3.8 U	3.8 U	3.6 U	3.6 U	3.9 U	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	17 U	1.9 UJ	2.1 U	NA	NA	2 U	2 U	1.9 U	1.9 U	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	3.8 UJ	4.3 U	NA	NA	0.5 U	0.5 U	0.47 U	0.47 U	3.9 U	4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	3.8 U	4.3 U	NA	NA	60 U	60 U	56 U	57 U	3.9 U	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	3.8 U	4.3 U	NA	NA	6.6 U	6.6 U	6.2 U	6.2 U	3.9 U	4 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	3.8 U	4.3 U	NA	NA	6.6 U	6.6 U	6.2 U	6.2 U	3.9 U	4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	1.9 U	2.1 U	NA	NA	3.1 U	3.1 U	2.9 U	2.9 U	2 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	9.4 UJ	11 U	NA	NA	8.8 U	8.8 U	8.2 U	8.3 U	9.8 U	10 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	19 U	21 U	NA	NA	31 U	31 U	29 U	29 U	20 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	19 U	21 U	NA	NA	31 U	31 U	29 U	29 U	20 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	0.86	2.71	24.3	95.8	34.8	54.54	55.66	105.77	113.22	122.4	124.3

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				16. Fuel Tank Farm										
Location ID:				JMW-0602			JMW0681					JMW0682		
Sample ID:				LORNG_JMW-0602_09252024	LORNG_JMW-0602_09252024FD	LORNG_JMW0681_05092022	LORNG_JMW0681_09192022	LORNG_JMW0681_09192022FD	LORNG_JMW0681_05092023	LORNG_JMW0681_01222023	LORNG_JMW0681_05092024	LORNG_JMW0681_0162024	LORNG_JMW0682_05202022	LORNG_JMW0682_09282022
Sample Date:				9/25/2024	9/25/2024	5/9/2022	9/19/2022	9/19/2022	5/9/2023	10/12/2023	5/9/2024	10/16/2024	5/20/2022	9/28/2022
Sample Depth (ft bgs):				80-90	80-90	57-67	57-67	57-67	57-67	57-67	57-67	57-67	91-101	91-101
Sample Type:				N	FD	N	N	FD	N	N	N	N	N	N
Latitude:				46.92774986	46.92774986	46.92820363	46.92820363	46.92820363	46.92820363	46.92820363	46.92820363	46.92820363	46.9294823	46.9294823
Longitude:				-67.88750421	-67.88750421	-67.88791895	-67.88791895	-67.88791895	-67.88791895	-67.88791895	-67.88791895	-67.88791895	-67.8865004	-67.8865004
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	14.2 J	5.2 J	3.9 J	2.9 J	2.9 J	2.2 J	2.5 J	2.9 J	2.4 J	2.9 J	2.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.8 J	2.2 J	4.9	2.9 J	2.5 J	2.2 J	2.4 J	2.6 J	2.8 J	3.9 J	1.7 J
Perfluorohexanoic acid (PFHxA)	990	-	-	3.3 J	3.1 J	4.5	2.5 J	2.3 J	2.4	2.6	2.9 J	2.6 J	2.9 J	1.5 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.4 J	1.1 J	1.8 J	1.4 J	1.2 J	0.97 J	1.1 J	1.2 J	1.3 J	1.7 J	1.9 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	4.3 J	4.2 J	2.8 J	2.1 J	2.2 J	1.9	1.9	1.9 J	2 J	3 J	2 J
Perfluorononanoic acid (PFNA)	5.9	10	-	2.4 U	2.3 U	1 U	1.9 U	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	1 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	2.4 U	2.3 U	1 U	1.9 U	1.9 U	1 U	1 U	1.9 U	1.9 U	1 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2.4 U	2.3 U	1 U	1.9 U	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	1 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2.4 U	2.3 U	1 U	1.9 U	1.9 U	1 U	1 U	1.9 U	1.9 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2.4 U	2.3 U	1 U	1.9 U	1.9 U	1 U	1 U	1.9 U	1.9 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2.4 U	2.3 U	1 U	1.9 U	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	1 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.2 J	1.2 J	1.7 J	2.1 J	2.1 J	1.8	1.7	1.8 J	1.6 J	1.7 J	2.2 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.4 J	1.5 J	1.8 J	2.4 J	2.3 J	1.7	1.7	1.6 J	1.9 J	2 J	2.1 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	15.5	15.2	12.9	15.5	14.5	13	13	11.6	12.1	13.6	13.4
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2.4 U	2.3 U	1 U	1.9 U	1.9 U	0.27 J	0.2 J	1.9 U	1.9 U	1 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	20.1	18.4	8.9	10.1	9.8	8	7.9	7.2	6.9	13.3	9.8
Perfluorononanesulfonic acid (PFNS)	-	-	-	2.4 U	2.3 U	1 U	1.9 U	1.9 U	0.94 U	0.94 U	1.9 U	1.9 U	1 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2.4 U	2.3 U	1 U	1.9 U	1.9 U	0.47 U	0.47 U	1.9 U	1.9 U	1 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4.8 U	4.5 U	NA	NA	NA	1 U	1 U	3.8 U	3.8 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	9.6 U	9.1 U	2 U	3.7 U	3.7 U	1.9 U	1.9 U	7.5 U	7.5 U	2 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	9.6 U	3.9 J	2 U	3.7 U	3.7 U	1.9 U	1.9 U	7.5 U	7.5 U	2 U	3.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	9.6 U	9.1 U	2 U	3.7 U	3.7 U	3.8 U	3.8 U	7.5 U	7.5 U	2 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2.4 U	2.3 U	1 U	1.9 U	1.9 U	0.25 U	0.25 U	1.9 U	1.9 U	1 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4.8 U	4.5 U	2 U	3.7 UJ	3.7 UJ	1 U	1 U	3.8 U	3.8 U	2 U	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4.8 U	4.5 U	NA	NA	NA	1 U	1 U	3.8 UJ	3.8 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4.8 U	4.5 U	2 U	3.7 U	3.7 U	1 U	1 U	3.8 U	3.8 U	2 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4.8 U	4.5 U	2 U	3.7 U	3.7 U	1 U	1 U	3.8 U	3.8 U	2 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	24 U	23 U	NA	NA	NA	2.5 U	2.5 U	19 U	19 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	24 U	23 U	NA	NA	NA	5 U	5 U	19 U	19 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2.4 U	2.3 U	NA	NA	NA	4 U	4 U	1.9 U	1.9 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4.8 U	4.5 U	NA	NA	NA	3.8 U	3.8 U	3.8 U	3.8 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.4 U	2.3 U	NA	NA	NA	2 U	2 U	1.9 U	1.9 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4.8 U	4.5 U	NA	NA	NA	0.5 U	0.5 U	3.8 U	3.8 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4.8 U	4.5 U	NA	NA	NA	60 U	60 U	3.8 U	3.8 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4.8 U	4.5 U	NA	NA	NA	6.6 U	6.6 U	3.8 U	3.8 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4.8 U	4.5 U	NA	NA	NA	6.6 U	6.6 U	3.8 U	3.8 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.4 U	2.3 U	NA	NA	NA	3.1 U	3.1 U	1.9 U	1.9 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	12 U	11 U	NA	NA	NA	8.8 U	8.8 U	9.4 U	9.4 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	24 U	23 U	NA	NA	NA	31 U	31 U	19 U	19 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	24 U	23 U	NA	NA	NA	31 U	31 U	19 U	19 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	41.3	38.9	26.4	29.1	27.7	23.87	23.9	21.9	22.3	31.6	25.2

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				16. Fuel Tank Farm										
Location ID:				JMW0682					JMW0683					
Sample ID:				LORNG_JMW0682_0	LORNG_JMW0682_0	LORNG_JMW0682_1	LORNG_JMW0682_0	LORNG_JMW0682_1	LORNG_JMW0683_0	LORNG_JMW0683_0	LORNG_JMW0683_0	LORNG_JMW0683_1	LORNG_JMW0683_0	LORNG_JMW0683_1
Sample Date:				9282022FD	5092023	1032023	5152024	0082024	5202022	9192022	5102023	0312023	5232024	0102024
Sample Depth (ft bgs):				91-101	91-101	91-101	91-101	91-101	28-43	28-43	28-43	28-43	28-43	28-43
Sample Type:				FD	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9294823	46.9294823	46.9294823	46.9294823	46.9294823	46.9269827	46.9269827	46.9269827	46.9269827	46.9269827	46.9269827
Longitude:				-67.8865004	-67.8865004	-67.8865004	-67.8865004	-67.8865004	-67.88715348	-67.88715348	-67.88715348	-67.88715348	-67.88715348	-67.88715348
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.7 J	3.6 J	2.8 J	3.4 J	3.2 J	7.4	7.2 J	5.2 J	7.7	7.5 J	7.7 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.8 J	3.2 J	2.6 J	2.7 J	2.6 J	11.1	9.4	9.5	11	8.3	6.6 J
Perfluorohexanoic acid (PFHxA)	990	-	-	1.5 J	2.2	2.2	2.8 J	2.4	17.1	14.1	18	21	14.1	14.3
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.9 U	1.5 J	1.2 J	1.4 J	1.1 J	7.3	5.8	7.3	8.4	5.6	4.6
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.1 J	2	2.1	2.4 J	2.3	24.7	22.4	25	27	19.1	19.9
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	0.5 U	0.52 U	1.9 U	1.5 U	1.2 J	1.9 U	1.2 J	1.7	1.1 J	1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	1 U	1.9 U	1.5 U	0.93 U	1.9 U	1 U	1 U	1.9 U	2 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.52 U	1.9 U	1.5 U	0.93 U	1.9 U	0.5 U	0.51 U	1.9 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	1 U	1.9 U	1.5 U	0.93 U	1.9 U	1 U	1 U	1.9 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	1 U	1.9 U	1.5 U	0.93 U	1.9 U	1 U	1 U	1.9 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.52 U	1.9 U	1.5 U	0.93 U	1.9 U	0.5 U	0.51 U	1.9 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.2 J	1.9	2	1.9 J	1.8	3.1 J	2.7 J	3.9	3.6	3.1 J	2.4 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.1 J	1.8	1.9	2.1 J	1.8	5.6	3.9	6.1	5.1	4.6	4.4 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	13.8	15	15	16.5	14	83.2	59.8	100	87	80.6	65.3
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	0.17 J	0.27 J	1.9 U	0.27 J	5.2	3.2 J	3.8	3.8	4.3	3.4 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	10.3	9.9	10	11	11	218	172	180	200	183	152
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.99 U	1.9 U	1.4 U	0.93 U	1.9 U	0.94 U	0.95 U	1.9 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.49 U	1.9 U	1.4 U	0.93 U	1.9 U	0.47 U	0.48 U	1.9 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.8 U	1.5 U	NA	NA	1 U	1 U	3.7 U	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	2 U	7.5 U	5.6 U	1.9 U	3.7 U	1.9 U	1.9 U	7.4 U	8.1 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.7 U	1.9 U	2 U	7.5 U	5.7 U	2.7 J	2.4 J	3 J	3.8 J	7.4 U	8.1 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.8 U	4 U	7.5 U	5.7 U	1.9 U	3.7 U	3.8 U	1.4 J	7.4 U	8.1 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	0.25 U	0.26 U	1.9 U	0.68 J	0.97 J	10 U	2.1 J	2.5	2 J	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 UJ	1 U	1 U	3.8 U	1.5 U	9.3 UJ	0 R	1 U	1 U	3.7 U	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.8 UJ	1.5 U	NA	NA	1 U	1 U	3.7 U	4 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	1 U	3.8 U	1.5 U	1.9 U	3.7 U	1 U	1 U	3.7 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1 U	1 U	3.8 U	1.5 U	1.9 U	3.7 U	0.51 J	1 U	3.7 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.6 U	19 U	15 U	NA	NA	2.5 U	2.5 U	19 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5.2 U	19 U	15 U	NA	NA	5 U	5.1 U	19 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4.2 U	1.9 U	6 U	NA	NA	4 U	4.1 U	1.9 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	4 U	3.8 U	5.6 U	NA	NA	3.8 U	3.9 U	3.7 U	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2.1 U	1.9 U	3 U	NA	NA	2 U	2 U	1.9 U	2 UJ
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.52 U	3.8 U	3 U	NA	NA	0.5 U	0.51 U	3.7 U	4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	63 U	3.8 U	65 U	NA	NA	60 U	61 U	3.7 U	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.9 U	3.8 U	11 U	NA	NA	6.6 U	6.7 U	3.7 U	4 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.9 U	3.8 U	11 U	NA	NA	6.6 U	6.7 U	3.7 U	4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.2 U	1.9 U	5.2 U	NA	NA	3.1 U	3.1 U	1.9 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	9.2 U	9.4 U	15 U	NA	NA	8.8 U	8.9 U	9.3 U	10 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	32 U	19 U	37 U	NA	NA	31 U	31 U	19 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	32 U	19 U	37 U	NA	NA	31 U	31 U	19 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	26.2	28.4	28.3	31.3	28.4	334.4	260	313.5	324.1	289.4	242.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				16. Fuel Tank Farm										
Location ID:				JMW3501						JPZ0606				
Sample ID:				LORNG_JMW3501_0	LORNG_JMW3501_0	LORNG_JMW3501_0	LORNG_JMW3501_1	LORNG_JMW3501_0	LORNG_JMW3501_1	LORNG_JPZ0606_05	LORNG_JPZ0606_05	LORNG_JPZ0606_05	LORNG_JPZ0606_10	LORNG_JPZ0606_05
Sample Date:				5192022	9182022	6062023	0112023	5132024	0012024	092022	092022FD	102023	202023	172024
Sample Depth (ft bgs):				26-84	26-84	26-84	26-84	26-84	26-84	5-10	5-10	5-10	5-10	5-10
Sample Type:				N	N	N	N	N	N	N	FD	N	N	N
Latitude:				46.9294823	46.9294823	46.9294823	46.9294823	46.9294823	46.9294823	46.92711479	46.92711479	46.92711479	46.92711479	46.92711479
Longitude:				-67.8906304	-67.8906304	-67.8906304	-67.8906304	-67.8906304	-67.8906304	-67.88292763	-67.88292763	-67.88292763	-67.88292763	-67.88292763
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.4 J	3.3 J	2.7 J	2.5 J	3.6 U	2.9 J	12.4	12.5	5.8 J	5 J	8.5 J
Perfluoropentanoic acid (PFPeA)	-	-	-	4.1	3.3 J	1.9 J	0.89 J	1.4 J	1.5 J	7.6	8.2	5.7	4 J	3.3 J
Perfluorohexanoic acid (PFHxA)	990	-	-	3.1 J	2.3 J	1.5 J	0.72 J	0.91 J	0.84 J	9.7	9.7	6.8	7.5	6.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.5 J	1.7 J	0.92 J	0.54 J	0.52 J	1.9 U	4.1	4	3.5	3	2.1 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	3.1 J	2 J	1.4 J	0.92 J	1 J	1.2 J	6.8	6.9	5.2	5.3	3.3 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.93 U	1.9 U	0.17 J	0.19 J	1.8 U	1.9 U	1.9 J	1.9 J	2.2	2.2	1.4 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.93 U	1.9 U	1 U	0.9 UJ	1.8 U	1.9 U	0.86 U	1 U	0.4 J	0.36 J	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.93 U	1.9 U	0.5 U	0.45 UJ	1.8 U	1.9 U	0.86 U	1 U	0.5 U	0.5 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.93 U	1.9 U	1 U	0.9 UJ	1.8 U	1.9 U	0.86 U	1 U	1 U	1 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.93 U	1.9 U	1 U	0.9 UJ	1.8 U	1.9 UJ	0.86 U	1 U	1 U	1 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.93 U	1.9 U	0.5 U	0.45 UJ	1.8 U	1.9 U	4.3 UJ	1 U	0.5 U	0.5 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.93 U	1.9 U	0.38 J	0.42 J	1.8 U	1.9 U	1.7 J	1.8 J	1.6	2.2	1.6 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.93 U	1.9 U	0.23 J	0.42 UJ	3.6 U	3.9 U	3 J	3.1 J	2.5	2.7	2.7 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	5.8	2.7 J	2	3.6 J	2.7 J	5.6	37.1	37.8	35	38	32.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.93 U	1.9 U	0.47 U	0.42 UJ	1.8 U	1.9 U	2 J	1.9 J	1.2 J	1.4 J	1.2 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	3.2 J	1.4 J	0.59 J	1.1 J	1.1 J	2.3 J	70.7	69.9	61	55	46.7
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.93 U	1.9 U	0.94 U	0.85 UJ	1.8 U	1.9 U	0.86 U	1 U	0.94 U	0.94 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.93 U	1.9 U	0.47 U	0.42 UJ	1.8 U	1.9 UJ	0.86 U	1 U	0.47 U	0.47 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	0.9 UJ	3.6 U	3.9 U	NA	NA	1 U	1 U	4.1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	3.7 U	1.9 U	1.7 UJ	7.2 U	7.8 U	1.7 U	2 U	1.9 UJ	1.9 U	8.2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	3.7 U	1.9 U	1.7 UJ	7.2 U	7.8 U	2.5 J	2.7 J	1.9 UJ	2.2 J	8.2 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	1.9 U	3.7 U	3.8 U	3.4 UJ	7.2 U	7.8 U	1.7 U	2 U	3.8 U	3.8 U	8.2 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.93 U	1.9 U	0.25 U	0.23 UJ	1.8 U	1.9 U	4.3 UJ	1 U	0.25 U	0.28 UJ	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1.9 U	0 R	1 U	0.9 UJ	3.6 U	3.9 U	13.1 J	10 UJ	1 U	1 U	4.1 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	0.9 UJ	3.6 UJ	3.9 U	NA	NA	1 U	1 U	4.1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.9 U	3.7 U	1 U	0.9 UJ	3.6 U	3.9 U	1.7 U	2 U	1 U	1 U	4.1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1.9 U	3.7 U	1 U	0.9 UJ	3.6 UJ	3.9 U	1.7 U	2 U	1 U	1 U	4.1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.3 UJ	18 U	19 U	NA	NA	2.5 U	2.5 U	20 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	4.5 UJ	18 U	19 U	NA	NA	5 U	5 U	20 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	3.6 UJ	1.8 U	1.9 U	NA	NA	4 U	4 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.4 UJ	3.6 U	3.9 U	NA	NA	3.8 U	3.8 U	4.1 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	1.8 UJ	1.8 U	1.9 UJ	NA	NA	2 U	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.45 UJ	3.6 U	3.9 U	NA	NA	0.5 U	0.5 U	4.1 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	54 UJ	3.6 U	3.9 U	NA	NA	60 U	60 U	4.1 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	5.9 UJ	3.6 U	3.9 U	NA	NA	6.6 U	6.6 U	4.1 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	5.9 UJ	3.6 U	3.9 U	NA	NA	6.6 U	6.6 U	4.1 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	2.8 UJ	1.8 U	1.9 U	NA	NA	3.1 U	3.1 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	7.9 UJ	9 U	9.7 U	NA	NA	8.8 U	8.8 UJ	10 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	28 UJ	18 U	19 U	NA	NA	31 U	31 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	28 UJ	18 U	19 U	NA	NA	31 U	31 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	14.6	7.8	5.08	6.35	5.32	9.1	120.6	120.5	107.3	103.86	85.6

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				16. Fuel Tank Farm										
Location ID:				JPZ0606	OW16002						OW16003			
Sample ID:				LORNG_JPZ0606_10	LORNG_OW16002_0	LORNG_OW16002_0	LORNG_OW16002_0	LORNG_OW16002_1	LORNG_OW16002_0	LORNG_OW16002_0	LORNG_OW16003_0	LORNG_OW16003_0	LORNG_OW16003_0	LORNG_OW16003_1
Sample Date:				092024	8162022	9292022	5092023	0132023	5092024	9252024	8062022	9292022	5092023	0122023
Sample Depth (ft bgs):				10/9/2024	8/16/2022	9/29/2022	5/9/2023	10/13/2023	5/9/2024	9/25/2024	8/6/2022	9/29/2022	5/9/2023	10/12/2023
Sample Type:				5-10	35-45	35-45	35-45	35-45	35-45	35-45	10-20	10-20	10-20	10-20
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.92711479	46.9264576	46.9264576	46.9264576	46.9264576	46.9264576	46.9264576	46.9261568	46.9261568	46.9261568	46.9261568
				-67.88292763	-67.8953786	-67.8953786	-67.8953786	-67.8953786	-67.8953786	-67.8953786	-67.8868262	-67.8868262	-67.8868262	-67.8868262
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4.5 J	4 J	4 J	4 J	3.5 J	3.8 J	5.3 U	6.6 J	6.4 J	5.2 J	4.9 J
Perfluoropentanoic acid (PFPeA)	-	-	-	7.3	5.1	4.9	6.3	5.4	5.2 J	4.1 J	3.4 J	0.99 J	1.2 J	1.2 J
Perfluorohexanoic acid (PFHxA)	990	-	-	11	5.3	6.1	6.3	6	5.7	5 J	1.9 U	1.8 U	0.58 J	0.46 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	3.3	1.6 J	1.4 J	2.4	1.9	2.2 J	2 J	1.9 U	1.8 U	0.34 J	0.3 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.5	1.7 J	1.5 J	3.3	2.6	2.9 J	1.8 J	2 J	2.1 J	1.4 J	1.4 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.1 J	1.9 U	1.8 U	0.36 J	0.5 U	0.58 J	2.7 U	1.9 U	1.8 U	0.5 U	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.91 U	1.9 U	1.8 U	1 U	1 U	1.8 U	2.7 U	1.9 U	1.8 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.3 U	1.9 U	1.8 U	0.5 U	0.5 U	1.8 U	2.7 U	1.9 U	1.8 U	0.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.91 U	1.9 U	1.8 U	1 U	1 U	1.8 U	2.7 U	1.9 U	1.8 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.3 U	1.9 U	1.8 U	1 U	1 U	1.8 U	2.7 U	1.9 U	1.8 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.91 U	1.9 U	1.8 U	0.5 U	0.5 U	1.8 U	2.7 U	1.9 U	1.8 U	0.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	5.6	1.1 J	1.8 U	0.9 J	1.1 J	1 J	2.7 U	1.9 U	1.8 U	0.55 J	0.55 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	8.2	1.9 U	1.8 U	0.93 J	0.86 J	3.6 U	5.3 U	1.9 U	1.8 U	0.34 J	0.27 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	70	4.2	3.9	8.4	7.5	9	5.9	4.4	5.1	3.7	2.9
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.3 J	1.9 U	1.8 U	0.47 U	0.47 U	1.8 U	2.7 U	1.9 U	1.8 U	0.47 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	39	2.2 J	1.1 J	6.9	2.6	8.3	3.5 J	1.9 U	1.3 J	1 J	1 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.2 U	1.9 U	1.8 U	0.94 U	0.94 U	1.8 U	2.7 U	1.9 U	1.8 U	0.94 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.2 U	1.9 U	1.8 U	0.47 U	0.47 U	1.8 U	2.7 U	1.9 U	1.8 U	0.47 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.91 U	NA	NA	1 U	1 U	3.6 U	5.3 U	NA	NA	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.2 U	3.7 U	3.6 U	1.9 U	1.9 U	7.3 U	11 U	3.7 U	3.6 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	11	3.7 U	2.3 J	1.9 U	1.9 U	7.3 U	11 U	3.7 U	3.6 U	1.9 U	1.1 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	5.1 U	3.7 U	3.6 U	3.8 U	3.8 U	7.3 U	11 U	3.7 U	3.6 U	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.66 U	1.9 U	1.8 U	0.25 U	0.25 U	1.1 J	2.7 U	1.9 U	1.8 U	0.25 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1.3 U	3.7 U	0 R	1 U	1 U	3.6 U	5.3 U	3.7 U	3.6 U	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1.3 U	NA	NA	1 U	1 U	3.6 U	5.3 U	NA	NA	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.3 U	3.7 U	3.6 U	1 U	1 U	3.6 U	5.3 U	3.7 U	3.6 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.91 U	3.7 U	3.6 U	1 U	1 U	3.6 U	5.3 U	3.7 U	3.6 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	9.1 U	NA	NA	2.5 U	2.5 U	18 U	27 U	NA	NA	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	9.1 U	NA	NA	5 U	5 U	18 U	27 U	NA	NA	5 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.6 U	NA	NA	4 U	4 U	1.8 U	2.7 U	NA	NA	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.4 U	NA	NA	3.8 U	3.8 U	3.6 U	5.3 U	NA	NA	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	3.1 U	NA	NA	2 U	2 U	1.8 U	2.7 U	NA	NA	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	1.3 U	NA	NA	0.5 U	0.5 U	3.6 U	5.3 U	NA	NA	0.5 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	27 U	NA	NA	60 U	60 U	3.6 U	5.3 U	NA	NA	60 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.4 U	NA	NA	6.6 U	6.6 U	3.6 U	5.3 U	NA	NA	6.6 U	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	2.5 U	NA	NA	6.6 U	6.6 U	3.6 U	5.3 U	NA	NA	6.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.3 U	NA	NA	3.1 U	3.1 U	1.8 U	2.7 U	NA	NA	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	6.6 U	NA	NA	8.8 U	8.8 U	9.1 U	13 U	NA	NA	8.8 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	33 U	NA	NA	31 U	31 U	18 U	27 U	NA	NA	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	33 U	NA	NA	31 U	31 U	18 U	27 U	NA	NA	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	118.9	9.7	7.9	21.36	14.6	22.98	13.2	6.4	8.5	6.44	5.6

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				16. Fuel Tank Farm										
Location ID:				OW16003			OW16004		SB/OW16001			SB/OW16001		
Sample ID:				LORNG_OW16003_0	LORNG_OW16003_0	LORNG_OW16004_1	LORNG_OW16001_0	LORNG_OW16001_0	LORNG_SB/OW1600	LORNG_SB/OW1600	LORNG_SB/OW1600	LORNG_SB/OW1600	LORNG_SB/OW1600	LORNG_SB/OW1600
Sample Date:				5072024	9242024	0222024	5202022	9182022	1_05082023	1_05082023FD	1_10182023	1_10182023FD	1_05092024	1_05092024FD
Sample Depth (ft bgs):				5/7/2024	9/24/2024	10/22/2024	5/20/2022	9/18/2022	5/8/2023	5/8/2023	10/18/2023	10/18/2023	5/9/2024	5/9/2024
Sample Type:				10-20	10-20	16-26	5-15	5-15	5-15	5-15	5-15	5-15	5-15	5-15
Latitude:				N	N	N	N	N	N	FD	N	FD	N	FD
Longitude:				46.9261568	46.9261568	46.92995305	46.92727303	46.92727303	46.92727303	46.92727303	46.92727303	46.92727303	46.92727303	46.92727303
Maine Sum of 6 MCL (ng/L)				-67.8868262	-67.8868262	-67.88342532	-67.8859875	-67.8859875	-67.8859875	-67.8859875	-67.8859875	-67.8859875	-67.8859875	-67.8859875
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	5.7 J	3.6 J	4.3 U	10	11.7	4.7 J	4.2 J	5.7 J	5.5 J	5.3 J	5.5 J
Perfluoropentanoic acid (PFPeA)	-	-	-	0.97 J	1.9 U	2.1 U	7	4.9	3.6	3.8	5.5 J	5.4 J	5.1 J	5 J
Perfluorohexanoic acid (PFHxA)	990	-	-	2 U	1.9 U	0.53 J	8.2	5.7	5.5	5.8	11 J	9.7 J	14.5	13.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	2 U	1.9 U	2.1 U	2.9 J	2.5 J	2.4	2.4	3.5 J	3.4 J	4.4	4.5
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.91 J	0.52 J	0.61 J	8.6	6.2	6.8	6.8	7.6 J	7.3 J	8.9	9
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	1.9 U	2.1 U	1 U	2 U	1.2 J	1.3 J	1.8 J	1.8 J	1.2 J	1.1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1.9 U	2.1 U	1 U	2 U	1 U	1 U	1 UJ	1 UJ	1.8 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	1.9 U	2.1 U	1 U	2 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	1.8 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	1.9 U	2.1 U	1 U	2 U	1 U	1 U	1 UJ	1 UJ	1.8 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	1.9 U	2.1 U	1 U	2 U	1 U	1 U	1 UJ	1 UJ	1.8 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	1.9 U	2.1 U	1 U	2 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	1.8 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.67 J	0.49 J	0.98 J	1 U	1.1 J	1.2 J	1 J	0.78 J	0.89 J	0.82 J	0.73 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4 U	3.8 U	4.3 U	1 U	1 J	0.74 J	0.8 J	0.52 J	0.52 J	3.6 U	4 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	3 J	2.3 J	7.6	17.2	12.8	13	14	15 J	14 J	14.6	13.5
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	1.9 U	2.1 U	1 U	2 U	0.47 U	0.18 J	0.22 J	0.47 UJ	1.8 U	2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.89 J	1.2 J	5.2	6	3.6 J	12	12	16 J	17 J	14.5	14.7
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	1.9 U	2.1 U	1 U	2 U	0.94 U	0.94 U	0.94 UJ	0.94 UJ	1.8 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	1.9 U	2.1 U	1 U	2 U	0.47 U	0.47 U	0.47 UJ	0.47 UJ	1.8 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4 U	3.8 U	4.3 U	NA	NA	1 U	1 U	1 UJ	1 UJ	3.6 U	4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	8 U	7.7 U	8.5 U	2 U	4 U	1.9 U	1.9 U	1.9 UJ	1.9 UJ	7.3 U	8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	8 U	7.7 U	8.5 U	2.3 J	3 J	2 J	2.5 J	2 J	2.2 J	7.3 U	8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	8 U	7.7 U	8.5 U	2 U	4 U	3.8 U	3.8 U	3.8 UJ	3.8 UJ	7.3 U	8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	1.9 U	2.1 U	1 U	2 U	0.25 U	0.25 U	1.4 J	0.4 J	1.8 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4 U	3.8 U	4.3 U	2 U	4 UJ	1 U	1 U	1 UJ	1 UJ	3.6 U	4 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4 UJ	3.8 U	4.3 U	NA	NA	1 U	1 U	1 UJ	1 UJ	3.6 UJ	4 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	3.8 U	4.3 U	2 U	4 U	1 U	1 U	1 UJ	1 UJ	3.6 U	4 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	3.8 U	4.3 UJ	2 U	4 U	1 U	1 U	1 UJ	1 UJ	3.6 U	4 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	19 U	21 U	NA	NA	2.5 U	2.5 U	2.9 J	1.3 J	18 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	19 U	21 U	NA	NA	5 U	5 U	5 UJ	5 UJ	18 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	1.9 U	2.1 U	NA	NA	4 U	4 U	4 UJ	4 UJ	1.8 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4 U	3.8 U	4.3 U	NA	NA	3.8 U	3.8 U	3.8 UJ	3.8 UJ	3.6 U	4 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.9 U	2.1 U	NA	NA	2 U	2 U	2 UJ	2 UJ	1.8 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4 U	3.8 U	4.3 U	NA	NA	0.5 U	0.5 U	0.5 UJ	0.5 UJ	3.6 U	4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4 U	3.8 U	4.3 U	NA	NA	60 U	60 U	60 UJ	60 UJ	3.6 U	4 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4 U	3.8 U	4.3 U	NA	NA	6.6 U	6.6 U	6.6 UJ	6.6 UJ	3.6 U	4 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4 U	3.8 U	4.3 U	NA	NA	6.6 U	6.6 U	6.6 UJ	6.6 UJ	3.6 U	4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	1.9 U	2.1 U	NA	NA	3.1 U	3.1 U	3.1 UJ	3.1 UJ	1.8 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	10 U	9.6 U	11 U	NA	NA	8.8 U	8.8 U	8.8 UJ	8.8 UJ	9.1 U	10 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	19 U	21 U	NA	NA	31 U	31 U	31 UJ	31 UJ	18 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	19 U	21 U	NA	NA	31 U	31 U	31 UJ	31 UJ	18 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	4.8	4.02	13.41	34.7	25.1	35.4	36.5	43.9	43.5	43.6	42.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				16. Fuel Tank Farm								18. Main Runway Foaming Area		
Location ID:				SB/OW16001		UNK-044						AA18MW-01		
Sample ID:				LORNG_SB/OW1600	LORNG_SB/OW1600	LORNG-UNK-044	LORNG_UNK-044	LORNG_UNK-044	LORNG_UNK-044	LORNG_UNK-044	LORNG_UNK-044	LORNG_AA18MW01	LORNG_AA18MW01	LORNG_AA18MW-
Sample Date:				1 09252024	1 09252024FD	044 05192022	044 09182022	044 05102023	044 10262023	044 05212024	044 10082024	05222022	09282022	01 05242023
Sample Depth (ft bgs):				5-15	5-15	13-23	13-23	13-23	13-23	13-23	13-23	42-57	42-57	42-57
Sample Type:				N	FD	N	N	N	N	N	N	N	N	N
Latitude:				46.92727303	46.92727303	46.9271551	46.9271551	46.9271551	46.9271551	46.9271551	46.9271551	46.94320472	46.94320472	46.94320472
Longitude:				-67.8859875	-67.8859875	-67.8884755	-67.8884755	-67.8884755	-67.8884755	-67.8884755	-67.8884755	-67.88596892	-67.88596892	-67.88596892
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	12.6 J	11.6 J	3.4 J	3.7 U	2 J	3.9 J	2.7 J	3.8 J	3.5 J	11.7	6.2 J
Perfluoropentanoic acid (PFPeA)	-	-	-	4.8 J	4.7 J	5.6	1.2 J	2.4 J	3.5	2.6 J	3.8	6.8	25.4	13
Perfluorohexanoic acid (PFHxA)	990	-	-	5.3	5.2	23.9	14	25	32	22.5	39	14.4	80.2	36
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.4 J	2 J	5.8	3.3 J	4.1	5.3	4.2	6.2	4.8	24.8	9.3
Perfluorooctanoic acid (PFOA)	0.0027	4	-	6.8	6.1	58.9	40.7	52	49	32.9	61	23.8	114	51
Perfluorononanoic acid (PFNA)	5.9	10	-	1.1 J	1.1 J	2.3 J	1.9 U	0.84 J	1.2 J	0.9 J	1.5	1 J	2.9 J	1.4 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.9 U	1 U	1.9 U	1 U	1 U	1.9 U	1.5 U	0.86 U	1.8 U	0.48 J
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.9 U	1 U	1.9 U	0.5 U	0.52 U	1.9 U	1.5 U	0.86 U	1.8 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.9 U	1 U	1.9 U	1 U	1 U	1.9 U	1.5 U	0.86 U	1.8 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.9 U	1 U	1.9 U	1 U	1 U	1.9 U	1.5 U	0.86 U	1.8 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.9 U	1 U	1.9 U	0.5 U	0.52 U	1.9 U	1.5 U	0.86 U	1.8 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.2 J	1 J	2.4 J	1.9 J	2.1	2.2	1.5 J	2.3	2.6 J	23.2	6.3
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.7 U	3.7 U	3.5 J	2.4 J	2.8	2.7	2 J	3	3.6	24.7	7.9
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	12.6	11.2	122	87.3	160	170	102	140	88.2	425	200
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	1.9 U	2.3 J	1.9 U	1 J	1.2 J	1.6 J	1.1 J	1.8 J	10.1	3.1
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	14.4	13.8	48.2	18.3	30 J	35	27.1	31	112	408	200
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.9 U	1 U	1.9 U	0.94 U	0.98 U	1.9 U	1.4 U	0.86 U	1.8 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.9 U	1 U	1.9 U	0.47 U	0.49 U	1.9 U	1.4 U	0.86 U	1.8 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.7 U	3.7 U	NA	NA	1 U	1 U	3.7 U	1.5 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.4 U	7.4 U	2 U	3.7 U	1.9 U	2 U	7.4 U	5.7 U	1.7 U	3.6 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.4 U	7.4 U	2 U	3.7 U	1.9 U	2 U	7.4 U	5.8 U	1.7 U	9.2	1.5 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.4 U	7.4 U	2 U	3.7 U	3.8 U	4 U	7.4 U	5.8 U	1.7 U	3.6 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	1.9 U	1 U	1.9 U	0.25 U	0.26 U	1.9 U	0.32 J	15.9	49.6	32
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	3.7 U	10 UJ	19 UJ	1 U	1 U	3.7 UJ	1.5 U	1.7 U	3.6 UJ	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.7 U	3.7 U	NA	NA	1 U	1 U	3.7 U	1.5 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	3.7 U	2 U	3.7 U	1 U	1 U	3.7 U	1.5 U	1.7 U	3.6 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	3.7 U	2 U	3.7 U	1 U	1 U	3.7 U	1.5 U	1.7 U	3.6 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	19 U	NA	NA	2.5 U	2.6 U	19 UJ	15 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	19 U	NA	NA	5 U	5.2 U	19 UJ	15 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	1.9 U	NA	NA	4 U	4.2 U	1.9 U	6.1 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.7 U	3.7 U	NA	NA	3.8 U	4 U	3.7 U	5.7 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.9 U	NA	NA	2 U	2.1 U	1.9 U	3 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.7 U	3.7 U	NA	NA	0.5 U	0.52 U	3.7 U	3 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.7 U	3.7 U	NA	NA	60 U	62 U	3.7 U	66 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.7 U	3.7 U	NA	NA	6.6 U	6.9 U	3.7 U	11 U	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.7 U	3.7 U	NA	NA	6.6 U	6.9 U	3.7 U	11 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	1.9 U	NA	NA	3.1 U	3.2 U	1.9 U	5.3 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.3 U	9.3 U	NA	NA	8.8 U	9.2 U	9.3 U	15 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	19 U	NA	NA	31 U	32 U	19 U	38 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	19 U	NA	NA	31 U	32 U	19 U	38 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	37.3	34.2	237.2	149.6	246.94	260.5	167.1	239.7	229.8	974.7	462.18

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				18. Main Runway Foaming Area										
Location ID:				AA18MW-01			ASMW101					BW18010		
Sample ID:				LORNG_AA18MW-01_10272023	LORNG_AA18MW-01_06042024	LORNG_AA18MW-01_10212024	LORNG_ASMW101_05222022	LORNG_ASMW101_09272022	LORNG_ASMW101_06092023	LORNG_ASMW101_11012023	LORNG_ASMW101_06072024	LORNG_ASMW101_10172024	LORNG_BW18010_08082022	LORNG_BW18010_0022022
Sample Date:				10/27/2023	6/4/2024	10/21/2024	5/22/2022	9/27/2022	6/9/2023	11/1/2023	6/7/2024	10/17/2024	8/8/2022	10/2/2022
Sample Depth (ft bgs):				42-57	42-57	42-57	21-31	21-31	21-31	21-31	21-31	21-31	54-64	54-64
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.94320472	46.94320472	46.94320472	46.9324049	46.9324049	46.9324049	46.9324049	46.9324049	46.9324049	46.9339787	46.9339787
Longitude:				-67.88596892	-67.88596892	-67.88596892	-67.8882452	-67.8882452	-67.8882452	-67.8882452	-67.8882452	-67.8882452	-67.8838283	-67.8838283
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4.2 J	6 J	9.7 J	7.5 J	7.3 J	5.9 J	6.6	5.9 J	6.5 J	19 U	5.6 J
Perfluoropentanoic acid (PFPeA)	-	-	-	8.2	13.1	18.3	15.8	13.7	11	12	9.7	12.2	1.2 J	1.7 J
Perfluorohexanoic acid (PFHxA)	990	-	-	21	39.3	55.5	13	14.1	11	12	9.4	12	6.2	9.2
Perfluoroheptanoic acid (PFHpA)	-	-	-	5.8	7.7	17.6	9.4	9.2	7	7.8	6.4	7.4	1.9 U	2.9 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	27	47.6	81.6	8.8	9.7	7	7.8	5.6	6.4	1.9 U	2.9 U
Perfluorononanoic acid (PFNA)	5.9	10	-	0.82 J	0.82 J	1.9 J	1.3 J	1.7 J	1.2 J	1.4 J	1.1 J	1 J	1.9 U	2.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.8 U	2 U	1 U	1.9 U	1 U	0.96 U	1.9 U	2 U	1.9 U	2.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.52 U	1.8 U	2 U	1 U	1.9 U	0.5 U	0.48 U	1.9 U	2 U	1.9 U	2.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.8 U	2 U	1 U	1.9 U	1 U	0.96 U	1.9 U	2 U	1.9 U	2.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.8 U	2 U	1 U	1.9 U	1 U	0.96 U	1.9 U	2 U	1.9 U	2.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.52 U	1.8 U	2 U	1 U	1.9 U	0.5 U	0.48 U	1.9 U	2 U	1.9 U	2.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.2	5.6	15.6	2.1 J	3.2 J	2	2.5	1.8 J	2.2 J	1.9 U	10.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.6	6.2	21	2.9 J	3.5 J	2.2	2.8	2.2 J	2.9 J	1.9 U	2.9 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	110	183	329	38	46.6	37	45	33.6	44.3	1.9 U	2.9 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.2 J	3 J	7.9	1 U	1.1 J	0.56 J	0.58 J	1.9 U	0.86 J	1.9 U	2.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	110	104	224	40	56.9	35	41	30.2	36.5	1.9 U	2.9 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.97 U	1.8 U	0.81 J	1 U	1.9 U	0.94 U	0.9 U	1.9 U	2 U	1.9 U	2.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.49 U	1.8 UJ	2 U	1 U	1.9 U	0.47 U	0.45 U	1.9 U	2 U	1.9 U	2.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	3.6 U	4.1 U	NA	NA	1 U	0.96 U	3.7 U	3.9 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	2 U	7.3 U	8.2 U	2 U	3.7 U	1.9 U	1.8 U	7.5 U	7.8 U	3.7 U	5.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2 U	7.3 U	8.2 U	2 U	3.7 U	1.9 U	1.8 U	7.5 U	7.8 U	3.2 J	139
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.9 U	7.3 U	8.2 U	2 U	3.7 U	3.8 U	3.6 U	7.5 U	7.8 U	3.7 U	5.9 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	10	12.1	35.5	1 U	1.9 U	0.25 U	0.24 U	1.9 U	2 U	1.9 U	2.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	3.6 U	4.1 U	2 U	0 R	1 U	0.96 U	3.7 U	3.9 U	19 UJ	29 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	3.6 U	4.1 U	NA	NA	1 U	0.96 U	3.7 U	3.9 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	3.6 U	4.1 U	2 U	3.7 U	1 U	0.96 U	3.7 U	3.9 U	3.7 U	5.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	3.6 U	4.1 U	2 U	3.7 U	1 U	0.96 U	3.7 U	3.9 U	3.7 U	5.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.6 U	18 UJ	20 U	NA	NA	2.5 U	2.4 U	19 U	20 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5.2 U	18 UJ	20 U	NA	NA	5 U	4.8 U	19 U	20 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4.1 U	1.8 U	2 U	NA	NA	4 U	3.8 U	1.9 U	2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.9 U	3.6 U	4.1 U	NA	NA	3.8 U	3.6 U	3.7 U	3.9 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.1 U	1.8 U	2 U	NA	NA	2 U	1.9 U	1.9 U	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.52 U	3.6 U	4.1 U	NA	NA	0.5 U	0.48 U	3.7 U	3.9 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	62 U	3.6 U	4.1 U	NA	NA	60 U	57 U	3.7 U	3.9 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.8 U	3.6 U	4.1 U	NA	NA	6.6 U	6.3 U	3.7 U	3.9 U	NA	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.8 U	3.6 U	4.1 U	NA	NA	6.6 U	6.3 U	3.7 U	3.9 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.2 U	1.8 U	2 U	NA	NA	3.1 U	3 U	1.9 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	9.1 U	10 U	NA	NA	8.8 U	8.4 U	9.3 U	9.8 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	32 U	18 U	20 U	NA	NA	31 U	30 U	19 U	20 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	32 U	18 U	20 U	NA	NA	31 U	30 U	19 U	20 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	253.62	343.12	654.1	97.5	124.1	87.2	103	76.9	95.6	11.4 U	17.4 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				18. Main Runway Foaming Area										
Location ID:				BW18010				JBW7215B*						JBW7316
Sample ID:				LORNG_BW18010_0	LORNG_BW18010_1	LORNG_BW18010_0	LORNG_BW18010_1	LORNG_JBW7215B_	LORNG_JBW7215B_	LORNG_JBW7215B_	LORNG_JBW7215B_	LORNG_JBW7215B_	LORNG_JBW7215B_	LORNG_JBW7316_0
Sample Date:				6082023	0192023	5212024	0102024	05222022	09182022	06082023	11022023	06032024	10172024	5222022
Sample Depth (ft bgs):				54-64	54-64	54-64	54-64	69-79	69-79	69-79	69-79	69-79	69-79	19-121
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9339787	46.9339787	46.9339787	46.9339787	46.93097764	46.93097764	46.93097764	46.93097764	46.93097764	46.93097764	46.9391978
Longitude:				-67.8838283	-67.8838283	-67.8838283	-67.8838283	-67.89244558	-67.89244558	-67.89244558	-67.89244558	-67.89244558	-67.89244558	-67.8863667
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2 J	1.9 U	3.7 U	4.1 U	3.7 J	6.9 J	5.7 J	6	5 J	4.7 J	2.2 J
Perfluoropentanoic acid (PFPeA)	-	-	-	5.6	1.7 J	2.8 J	3.6 J	7.4	11.6	10	10	9	7.9	1.6 J
Perfluorohexanoic acid (PFHxA)	990	-	-	6.7	1.4 J	2 J	2.4 J	4.9	8.3	7.5	8.2	6.4	6.5	1.7 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.65 J	0.21 J	1.9 U	2 U	4.1	6.9	6.3	6.1	5.2	5.6	1.4 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.37 J	0.41 J	1.2 J	1 U	3.8 J	5.7	5.2	5	4.3	4.6	2.6 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	0.47 U	1.9 U	2 U	1 U	1.1 J	0.98 J	1 J	0.93 J	0.92 J	1 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	0.95 U	1.9 U	2 U	1 U	1.9 U	1 U	0.92 U	2 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.47 U	1.9 U	2 U	1 U	1.9 U	0.5 U	0.46 U	2 U	1.9 U	1 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	0.95 U	1.9 U	2 U	1 U	1.9 U	1 U	0.92 U	2 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	0.95 U	1.9 U	2 U	1 U	1.9 U	1 U	0.92 U	2 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.47 U	1.9 U	2 U	1 U	1.9 U	0.5 U	0.46 U	2 U	1.9 U	1 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.44 U	0.42 U	1.9 U	2 U	1.4 J	1.6 J	1.6	1.4	1.4 J	1.3 J	1 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.47 U	0.45 U	3.7 U	4.1 U	2.2 J	2.1 J	1.7	1.4 J	1.6 J	1.5 J	1 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.47 U	0.18 J	1.9 U	2 U	18.1	23.2	22	20	19.9	19.1	18.1
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	0.45 U	1.9 U	2 U	1 U	1.9 U	0.47 J	0.43 J	2 U	1.9 U	1 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.47 U	0.32 J	0.94 J	2 U	24.4	31.2	28	26	22.6	21.9	21.3
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.89 U	1.9 U	2 U	1 U	1.9 U	0.94 U	0.86 U	2 U	1.9 U	1 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.45 U	1.9 U	2 U	1 U	1.9 U	0.47 U	0.43 U	2 U	1.9 U	1 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	0.95 U	3.7 U	4.1 U	NA	NA	1 U	0.92 U	4 U	3.8 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.8 U	7.4 U	8.2 U	2 U	3.7 U	1.9 U	1.7 U	8 U	7.5 U	2.1 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.7 J	1 J	7.4 U	8.2 U	2 U	3.7 U	1.9 U	1.7 U	8 U	7.5 U	2.1 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.6 U	7.4 U	8.2 U	2 U	3.7 U	3.8 U	3.5 U	8 U	7.5 U	2.1 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.31 J	1.9 U	2 U	1 U	1.9 U	0.25 U	0.23 U	2 U	1.9 U	1 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	0.95 U	3.7 UJ	4.1 U	2 U	0 R	1 U	0.92 U	4 UJ	3.8 U	2.1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	0.95 U	3.7 U	4.1 U	NA	NA	1 U	0.92 U	4 U	3.8 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	0.95 U	3.7 U	4.1 U	2 U	3.7 U	1 U	0.92 U	4 U	3.8 U	2.1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	0.95 U	3.7 U	4.1 U	2 U	3.7 U	1 U	0.92 U	4 U	3.8 U	2.1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.4 U	19 UJ	20 U	NA	NA	2.5 U	2.3 U	20 UJ	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	4.7 U	19 UJ	20 U	NA	NA	5 U	4.6 U	20 UJ	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	3.8 U	1.9 U	2 U	NA	NA	4 U	3.7 U	2 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.6 U	3.7 U	4.1 U	NA	NA	3.8 U	3.5 U	4 U	3.8 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.9 U	1.9 U	2 U	NA	NA	2 U	1.8 U	2 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.47 U	3.7 U	4.1 U	NA	NA	0.5 U	0.46 U	4 U	3.8 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	57 U	3.7 U	4.1 U	NA	NA	60 U	55 U	4 U	3.8 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.3 U	3.7 U	4.1 U	NA	NA	6.6 U	6 U	4 U	3.8 U	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.3 U	3.7 U	4.1 U	NA	NA	6.6 U	6 U	4 U	3.8 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	2.9 U	1.9 U	2 U	NA	NA	3.1 U	2.8 U	2 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.3 UJ	9.3 U	10 U	NA	NA	8.8 U	8.1 U	10 U	9.4 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	29 U	19 U	20 U	NA	NA	31 U	28 U	20 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	29 U	19 U	20 U	NA	NA	31 U	28 U	20 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1.02	1.12	2.14	11 U	50.4	68.1	62.48	58.1	52.93	52.12	43.4

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				18. Main Runway Foaming Area										
Location ID:				JBW7316					UNK-033					
Sample ID:				LORNG_JBW7316_0	LORNG_JBW7316_0	LORNG_JBW7316_1	LORNG_JBW7316_0	LORNG_JBW7316_1	LORNG-UNK-033_05222022	LORNG-UNK-033_05222022FD	LORNG_UNK-033_06152023	LORNG_UNK-033_11072023	LORNG_UNK-033_06112024	LORNG_UNK-033_10232024
Sample Date:				9/29/2022	5/25/2023	10/18/2023	5/17/2024	0152024	5/22/2022	5/22/2022	6/15/2023	11/7/2023	6/11/2024	10/23/2024
Sample Depth (ft bgs):				19-121	19-121	19-121	19-121	19-121	51-61	51-61	51-61	51-61	51-61	51-61
Sample Type:				N	N	N	N	N	N	FD	N	N	N	N
Latitude:				46.9391978	46.9391978	46.9391978	46.9391978	46.9391978	46.9364194	46.9364194	46.9364194	46.9364194	46.9364194	46.9364194
Longitude:				-67.8863667	-67.8863667	-67.8863667	-67.8863667	-67.8863667	-67.8881547	-67.8881547	-67.8881547	-67.8881547	-67.8881547	-67.8881547
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.6 J	2.6 J	3.5 J	3.4 J	3.7 J	10.3	10.3	8.5	10	10.7 J	9.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	2 J	1.8 J	4.7 J	4 J	2.9 J	28.6	28.9	30	30	31.2	20.8
Perfluorohexanoic acid (PFHxA)	990	-	-	2.5 J	2	3.6 J	3.3 J	3.7	27.1	28	30	27	37.5	25.8
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.2 J	1.6 J	1.7 J	1.5 J	2.4 J	13.7	14.1	15	13	19.5	11.5
Perfluorooctanoic acid (PFOA)	0.0027	4	-	4.2	2.7	2.5 J	2.6 J	4.4	19.3	19.8	21	14	26.1	20.2
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	0.47 J	0.16 J	2.1 U	1.9 U	2 J	2 J	2.4	2.1	3.4 J	4.3 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1 U	1 UJ	2.1 U	1.9 U	0.93 U	1 U	1 U	0.93 U	2 U	2.3 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	0.5 U	0.5 UJ	2.1 U	1.9 U	0.93 U	1 U	0.5 U	0.47 U	2 U	2.3 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1 U	1 UJ	2.1 U	1.9 U	0.93 U	1 U	1 U	0.93 U	2 U	2.3 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1 U	1 UJ	2.1 U	1.9 U	0.93 U	1 U	1 U	0.93 U	2 U	2.3 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	0.5 U	0.5 UJ	2.1 U	1.9 U	0.93 U	1 U	0.5 U	0.47 U	2 U	2.3 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 J	1 J	1 J	1.4 J	2.2 J	15.9	16	18	13	20	17.6
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.7 J	1.2 J	1 J	1.3 J	2.7 J	25.4	26.6	29	17	35.9	29
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	38.6	25	11 J	13.8	38.5	186	192	230	120	342	230
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	0.26 J	0.47 UJ	2.1 U	1.9 U	12.4	11.8	6.8	3.3	13.4	14.3
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	30.5	18	6.1 J	8.5	23.8	266	274	280	140	303	377
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	0.94 U	0.94 UJ	2.1 U	1.9 U	0.93 U	1 U	0.94 U	0.88 U	2 U	1.3 J
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	0.47 U	0.47 UJ	2.1 U	1.9 U	0.93 U	1 U	0.47 U	0.44 U	2 U	2.3 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 UJ	4.3 U	3.7 U	NA	NA	1 U	0.93 U	4 U	4.7 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.6 U	1.9 U	1.9 UJ	8.5 U	7.5 U	1.9 U	2 U	1.9 U	1.8 U	8 U	9.3 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.6 U	1.9 U	1.9 UJ	8.5 U	7.5 U	1.9 U	2 U	2.5 U	1.8 U	8 U	9.3 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.6 U	3.8 U	3.8 UJ	8.5 U	7.5 U	1.9 U	2 U	3.8 U	3.5 U	8 U	9.3 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	0.25 U	0.57 UJ	2.1 U	1.9 U	0.93 U	1 U	0.25 U	0.23 U	2 U	2.3 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	18 UJ	1 U	1 UJ	4.3 U	3.7 U	9.3 U	0 R	1 U	0.93 U	4 U	4.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 UJ	4.3 U	3.7 U	NA	NA	1 U	0.93 U	4 U	4.7 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	1 U	1 UJ	4.3 U	3.7 U	1.9 U	2 U	1 U	0.93 U	4 U	4.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	1 U	1 UJ	4.3 U	3.7 U	1.9 U	2 U	1 U	0.93 U	4 U	4.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	6.6 J	21 UJ	19 U	NA	NA	2.5 U	2.3 U	20 U	23 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 UJ	21 UJ	19 U	NA	NA	5 U	4.7 U	20 U	23 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 UJ	2.1 U	1.9 U	NA	NA	4 U	3.7 U	2 U	2.3 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 UJ	4.3 U	3.7 U	NA	NA	3.8 U	3.5 U	4 U	4.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 UJ	2.1 U	1.9 U	NA	NA	2 U	1.9 U	2 U	2.3 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 UJ	4.3 U	3.7 U	NA	NA	0.5 U	0.47 U	4 U	4.7 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 UJ	4.3 U	3.7 U	NA	NA	60 U	56 U	4 U	4.7 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 UJ	4.3 U	3.7 U	NA	NA	6.6 U	6.2 U	4 U	4.7 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.6 UJ	4.3 U	3.7 U	NA	NA	6.6 U	6.2 U	4 U	4.7 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 UJ	2.1 U	1.9 U	NA	NA	3.1 U	2.9 U	2 U	2.3 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 UJ	11 U	9.3 U	NA	NA	8.8 U	8.2 U	10 U	12 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 UJ	21 U	19 U	NA	NA	31 U	29 U	20 U	23 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 UJ	21 U	19 U	NA	NA	31 U	29 U	20 U	23 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	75.5	47.77	21.46	26.4	69.1	487	501.9	548.4	289.1	694	643

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				19. KC-135 Crash Area										
Location ID:				JMW-0603						JPZ0686				
Sample ID:				LORNG_JMW0603_0	LORNG_JMW0603_0	LORNG_JMW-0603_05232023	LORNG_JMW-0603_10092023	LORNG_JMW-0603_05142024	LORNG_JMW-0603_09242024	LORNG_JPZ0686_05092022	LORNG_JPZ0686_09182022	LORNG_JPZ0686_05192023	LORNG_JPZ0686_10132023	LORNG_JPZ0686_05092024
Sample Date:				5/10/2022	9/19/2022	5/23/2023	10/9/2023	5/14/2024	9/24/2024	5/9/2022	9/18/2022	5/19/2023	10/13/2023	5/9/2024
Sample Depth (ft bgs):				36-46	36-46	36-46	36-46	36-46	36-46	19-29	19-29	19-29	19-29	19-29
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.92611277	46.92611277	46.92611277	46.92611277	46.92611277	46.92611277	46.92798866	46.92798866	46.92798866	46.92798866	46.92798866
Longitude:				-67.88690204	-67.88690204	-67.88690204	-67.88690204	-67.88690204	-67.88690204	-67.88371824	-67.88371824	-67.88371824	-67.88371824	-67.88371824
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	7.9 J	6.8 J	6.7	6 J	6.6 J	3.6 J	2 U	4 J	2.6 J	2.7 J	3.8 U
Perfluoropentanoic acid (PFPeA)	-	-	-	6.2	3.6 J	2 J	1.4 J	1.3 J	1.9 U	1.2 J	2.7 J	1.2 J	0.95 J	1.9 U
Perfluorohexanoic acid (PFHxA)	990	-	-	1.6 J	1.9 U	1.3 J	0.81 J	0.71 J	1.9 U	1 U	2.5 J	0.96 J	0.84 J	0.57 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1 U	1.9 U	0.72 J	0.41 J	1.8 U	1.9 U	1 U	1.7 J	0.66 J	0.59 J	1.9 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.4 J	2.5 J	2.5	2.1	1.8 J	0.94 J	1.4 J	4.3	1.4 J	1.4 J	0.82 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1 U	1.9 U	0.5 U	0.5 U	1.8 U	1.9 U	1 U	1.9 U	0.25 J	0.26 J	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.9 U	1 U	1 U	1.8 U	1.9 U	1 U	1.9 U	1 U	1 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1 U	1.9 U	0.5 U	0.5 U	1.8 U	1.9 U	1 U	1.9 U	0.5 U	0.5 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.9 U	1 U	1 U	1.8 U	1.9 U	1 U	1.9 U	1 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.9 U	1 U	1 U	1.8 U	1.9 U	1 U	1.9 U	1 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1 U	1.9 U	0.5 U	0.5 U	1.8 U	1.9 U	1 U	1.9 U	0.5 U	0.5 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1 U	1.9 U	0.82 J	0.77 J	0.81 J	0.58 J	1 U	1.1 J	0.61 J	0.56 J	0.55 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1 U	1.9 U	0.49 J	0.37 J	3.6 U	3.8 U	1 U	1.3 J	0.3 J	0.32 J	3.8 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	4.9	5.4	5.7	4.8	4.8	2.7 J	4.8	11.4	4.5	5.4	4
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1 U	1.9 U	0.47 U	0.47 U	1.8 U	1.9 U	1 U	1.9 U	0.47 U	0.47 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.8 J	1.8 J	1.8	1.9	1.4 J	1 J	3.7 J	10.7	4.8	4.1	2.1 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1 U	1.9 U	0.94 U	0.94 U	1.8 U	1.9 U	1 U	1.9 U	0.94 U	0.94 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1 U	1.9 U	0.47 U	0.47 U	1.8 U	1.9 U	1 U	1.9 U	0.47 U	0.47 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	3.6 U	3.8 U	NA	NA	1 U	1 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	2 U	3.7 U	1.9 U	1.9 U	7.3 U	7.6 U	2 U	3.7 U	1.9 U	1.9 U	7.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2 U	2.5 J	1.9 J	1.3 J	7.3 U	7.6 U	2 U	3.7 U	1.9 U	1.9 U	7.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	2 U	3.7 U	3.8 U	3.8 U	7.3 U	7.6 U	2 U	3.7 U	3.8 U	3.8 U	7.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1 U	1.9 U	0.25 U	0.25 U	1.8 U	1.9 U	1 U	1.9 U	0.25 U	0.25 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	2 U	3.7 UJ	1 U	1 U	3.6 U	3.8 U	20 UJ	0 R	1 U	1 U	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	3.6 UJ	3.8 U	NA	NA	1 U	1 U	3.8 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	2 U	3.7 U	1 U	1 U	3.6 U	3.8 U	2 U	3.7 U	1 U	1 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	2 U	3.7 U	1 U	1 U	3.6 U	3.8 U	2 U	3.7 U	1 U	1 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	18 U	19 U	NA	NA	2.5 U	2.5 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	18 U	19 U	NA	NA	5 U	5 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	1.8 U	1.9 U	NA	NA	4 U	4 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.6 U	3.8 U	NA	NA	3.8 U	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	1.8 U	1.9 U	NA	NA	2 U	2 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	3.6 U	3.8 U	NA	NA	0.5 U	0.5 U	3.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	3.6 U	3.8 U	NA	NA	60 U	60 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	3.6 U	3.8 U	NA	NA	6.6 U	6.6 U	3.8 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6.6 U	3.6 U	3.8 U	NA	NA	6.6 U	6.6 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	1.8 U	1.9 U	NA	NA	3.1 U	3.1 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	9.1 U	9.5 U	NA	NA	8.8 U	8.8 U	9.6 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	18 U	19 U	NA	NA	31 U	31 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	18 U	19 U	NA	NA	31 U	31 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	9.1	9.7	10.72	9.21	8	4.64	9.9	28.1	11.61	11.75	6.92

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				21. Flight Line Drainage Ditch										
Location ID:				JMW1982							JMW3102			
Sample ID:				LORNG_JPZ0686_0926	LORNG_JMW1982_0	LORNG_JMW1982_0	LORNG_JMW1982_0	LORNG_JMW1982_1	LORNG_JMW1982_0	LORNG_JMW1982_1	LORNG_JMW3102_0	LORNG_JMW3102_0	LORNG_JMW3102_0	LORNG_JMW3102_1
Sample Date:				2024	5082022	9142022	5252023	1022023	6062024	0072024	5092022	9182022	5152023	0242023
Sample Depth (ft bgs):				9/26/2024	5/8/2022	9/14/2022	5/25/2023	11/2/2023	6/6/2024	10/7/2024	5/9/2022	9/18/2022	5/15/2023	10/24/2023
Sample Type:				19-29	34-44	34-44	34-44	34-44	34-44	34-44	15-20	15-20	15-20	15-20
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.92798866	46.9274188	46.9274188	46.9274188	46.9274188	46.9274188	46.9274188	46.93199133	46.93199133	46.93199133	46.93199133
				-67.88371824	-67.89572815	-67.89572815	-67.89572815	-67.89572815	-67.89572815	-67.89572815	-67.89812251	-67.89812251	-67.89812251	-67.89812251
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.7 J	11.9	20.8	14	19 J	11.8 J	23	20.2	19.4	22	22
Perfluoropentanoic acid (PFPeA)	-	-	-	3.7 J	30	64.1	37	50	33.3	63	49.6	51.4	58	59
Perfluorohexanoic acid (PFHxA)	990	-	-	2 U	96.7	142	120	130	99.2	170	30.1	32.2	37	41
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.79 J	21.2	46.6	24	36	24.8	42	1.8 J	1.7 J	1.4 J	1.7
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2 J	159	166	150	150	111	180	2.6 J	2.2 J	2.8	3.1
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	4.1	5.3	4.4	8 J	4.1	6.4	1 U	1.8 U	0.15 U	0.51 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1 U	1.9 U	0.7 J	9.5 U	0.64 J	0.62 J	1 U	1.8 U	0.28 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	1 U	1.9 U	0.5 U	4.7 U	1.9 U	1.3 U	1 U	1.8 U	0.16 U	0.51 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	1 U	1.9 U	1 U	9.5 U	1.9 U	0.91 U	1 U	1.8 U	0.26 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	1 U	1.9 U	1 U	9.5 U	1.9 U	1.3 U	1 U	1.8 U	0.39 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	1 U	1.9 U	0.5 U	4.7 U	1.9 U	0.91 U	1 U	1.8 U	0.22 U	0.51 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.9 J	15.5	17.3	16	17	12.3	22	1.2 J	1.3 J	1.5	1.6
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4 U	19.2	22.7	23	23	18.8	32	1 U	1.8 U	0.17 U	0.48 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	5.9	475	577	560	640	522	770	1 U	1.8 U	1.3 J	1.2 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	23.9	19.4	22	17	14.4	20	1 U	1.8 U	0.15 U	0.48 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	4.9	1260	1020	1200	1300	844	1200	1 U	1.8 U	0.19 U	0.32 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	1 U	1.8 J	0.94 U	8.9 U	1.1 J	1.2 U	1 U	1.8 U	0.32 U	0.96 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	1 U	1.9 U	0.47 U	4.4 U	1.9 U	1.2 U	1 U	1.8 U	0.23 U	0.48 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4 U	NA	NA	1 U	9.5 U	3.7 U	0.91 U	NA	NA	0.34 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.9 U	2 U	3.7 U	1.9 U	18 U	7.4 U	3.4 U	2 U	3.6 U	0.55 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.9 U	8.6	22.2	9.7	21 J	11 J	16	2 U	3.6 U	0.79 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.9 U	6.7 J	7.5	5.4 J	36 U	7.4 U	6.5	2 U	3.6 U	1 U	3.9 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	14	24.9	15	18	11.9	26	1 U	1.8 U	0.12 U	0.21 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4 U	2 U	19 UJ	1 U	9.5 U	3.7 U	1.3 U	2 U	18 U	0.35 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4 U	NA	NA	1 U	9.5 U	3.7 U	1.3 U	NA	NA	0.26 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	2 U	3.7 U	1 U	9.5 U	3.7 U	1.3 U	2 U	3.6 U	0.4 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	2 U	3.7 U	1 U	9.5 U	3.7 U	0.91 U	2 U	3.6 U	0.36 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	NA	NA	2.5 U	24 U	19 U	9.1 U	NA	NA	1.2 U	2.6 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	NA	NA	5 U	47 U	19 U	9.1 U	NA	NA	1.7 U	5.1 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	NA	NA	4 U	38 U	1.9 U	3.6 U	NA	NA	1.1 U	4.1 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4 U	NA	NA	3.8 U	36 U	3.7 U	3.4 U	NA	NA	1.2 U	3.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	NA	NA	2 U	19 U	1.9 U	3.1 U	NA	NA	0.54 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4 U	NA	NA	0.5 U	4.7 U	3.7 U	1.3 U	NA	NA	0.24 U	0.51 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4 U	NA	NA	60 U	570 U	3.7 U	27 U	NA	NA	30 U	61 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4 U	NA	NA	6.6 U	62 U	3.7 U	3.4 U	NA	NA	3.1 U	6.8 U
11-Chlororicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4 U	NA	NA	6.6 U	62 U	3.7 U	2.5 U	NA	NA	2.3 U	6.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	-	-	2 U	NA	NA	3.1 U	29 U	1.9 U	2.3 U	NA	NA	1 U	3.2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.9 U	NA	NA	8.8 U	83 U	9.3 U	6.6 U	NA	NA	3.5 U	9 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	NA	NA	31 U	290 U	19 U	33 U	NA	NA	13 U	32 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	NA	NA	31 U	290 U	19 U	33 U	NA	NA	14 U	32 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	13.59	1919.3	1814.9	1939.1	2134	1506.54	2199.02	4.4	3.9	5.5	6.32

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				21. Flight Line Drainage Ditch										
Location ID:				JMW3102			JMW7113	JPZ0342					JPZ0348	
Sample ID:				LORNG_JMW3102_0	LORNG_JMW3102_0	LORNG-JMW7113-	LORNG_JPZ0342_05	LORNG_JPZ0342_09	LORNG_JPZ0342_06	LORNG_JPZ0342_10	LORNG_JPZ0342_06	LORNG_JPZ0342_10	LORNG_JPZ0348_05	LORNG_JPZ0348_09
Sample Date:				5022024	9252024	10232021	052022	192022	062023	302023	042024	102024	092022	142022
Sample Depth (ft bgs):				5/2/2024	9/25/2024	10/23/2021	5/5/2022	9/19/2022	6/6/2023	10/30/2023	6/4/2024	10/10/2024	5/9/2022	9/14/2022
Sample Type:				15-20	15-20	14.54-15.54	29-39	29-39	29-39	29-39	29-39	29-39	39-49	39-49
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.93199133	46.93199133	46.92011993	46.93792132	46.93792132	46.93792132	46.93792132	46.93792132	46.93792132	46.93252504	46.93252504
Maine Sum of 6 MCL (ng/L)				-67.89812251	-67.89812251	-67.9120013	-67.89655704	-67.89655704	-67.89655704	-67.89655704	-67.89655704	-67.89655704	-67.89727227	-67.89727227
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	21.1	23.1	1.99 U	28.6	24.8	24	23	18.7	20	6.4 J	11.6
Perfluoropentanoic acid (PFPeA)	-	-	-	55.6	61.3	1.99 U	102	82	84	75	67.3	73.3 J	15.8	31.8
Perfluorohexanoic acid (PFHxA)	990	-	-	37.5	46.8	1.99 U	105	94.1	94	90	78.9	93.4	20.5	43.4
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.4 J	3 J	1.99 U	39.2	36.2	33	31	25.3	30.7	9.3	17.8
Perfluorooctanoic acid (PFOA)	0.0027	4	-	3.9	3.8	1.99 U	128	112	110	97	88.7	93.8	25.4	46.6
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	1.8 U	1.99 U	4	3.5 J	3.4	3.5	3.2 J	3.2 J	1 J	1.4 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.8 U	1.99 U	0.86 U	1.9 U	1 U	0.93 U	1.8 U	2 UJ	1 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.8 U	1.99 U	0.86 U	1.9 U	0.5 U	0.46 U	1.8 U	2 U	1 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.8 U	1.99 U	0.86 U	1.9 U	1 U	0.93 U	1.8 U	2 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.8 U	1.99 U	0.86 U	1.9 U	1 U	0.93 U	1.8 U	2 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.8 U	1.99 U	0.86 U	1.9 U	0.5 U	0.46 U	1.8 U	2 U	1 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 J	2.4 J	1.99 U	18.8	16.1	16	15	13.5	13.6	3.2 J	5.7
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.8 U	3.6 U	1.99 U	27.4	22.7	23	19	14.2	21.1	4.4	7.9
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.97 J	0.98 J	1.99 U	353	350	330	320	305	355	122	229
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	1.8 U	1.99 U	11.1	9.2	5.8	4.9	7	7.5	2.2 J	3.6 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.9 U	1.8 U	1.99 U	297	310	240	250	233	240	89.3	125
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.8 U	1.99 U	0.86 U	1.9 U	0.94 U	0.87 U	1.8 U	2 U	1 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.8 U	1.99 U	0.86 U	1.9 U	0.47 U	0.44 U	1.8 UJ	2 U	1 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.8 U	3.6 U	NA	NA	NA	1 U	0.93 U	3.6 U	4 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.5 U	7.3 U	1.99 U	1.9 J	3.7 U	1.1 J	0.66 J	7.3 U	8 U	2 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.5 U	7.3 U	1.99 U	102	63.6	64	37	45.6	48.5	2 U	3.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.5 U	7.3 U	1.99 U	3.4 J	4.4 J	3 J	2.5 J	7.3 U	8 U	2 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	1.8 U	1.99 U	7.6	7.8	7.7	7	6.5	6.3	2.8 J	3.8
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.8 U	3.6 U	9.96 U	1.7 U	3.7 UJ	1 U	0.93 U	3.6 U	4 U	2 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.8 UJ	3.6 U	NA	NA	NA	1 U	0.93 U	3.6 U	4 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	3.6 U	1.99 UJ	1.7 U	3.7 U	1 U	0.93 U	3.6 U	4 U	2 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	3.6 U	1.99 U	1.7 U	3.7 U	1 U	0.93 U	3.6 U	4 U	2 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	18 U	NA	NA	NA	2.5 U	2.3 U	18 UJ	20 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	18 U	NA	NA	NA	5 U	4.6 U	18 UJ	20 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	1.8 U	NA	NA	NA	4 U	3.7 U	1.8 U	2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.6 U	NA	NA	NA	3.8 U	3.5 U	3.6 U	4 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.8 U	NA	NA	NA	2 U	1.9 U	1.8 U	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.8 U	3.6 U	NA	NA	NA	0.5 U	0.46 U	3.6 U	4 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.8 U	3.6 U	NA	NA	NA	60 U	56 U	3.6 U	4 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.8 U	3.6 U	NA	NA	NA	6.6 U	6.1 U	3.6 U	4 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.8 U	3.6 U	NA	NA	NA	6.6 U	6.1 U	3.6 U	4 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	1.8 U	NA	NA	NA	3.1 U	2.9 U	1.8 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.4 U	9.1 U	NA	NA	NA	8.8 U	8.2 U	9.1 U	10 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	18 U	NA	NA	NA	31 U	29 U	18 U	20 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	18 U	NA	NA	NA	31 U	29 U	18 U	20 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	7.27	7.78	11.94 U	821.2	811.7	716.4	701.5	655.2	722.7	247	419.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				21. Flight Line Drainage Ditch										
Location ID:				JPZ0348					JPZ0349					
Sample ID:				LORNG_JPZ0348_06	LORNG_JPZ0348_10	LORNG_JPZ0348_05	LORNG_JPZ0348_09	LORNG_JPZ0348_09	LORNG_JPZ0349_05	LORNG_JPZ0349_09	LORNG_JPZ0349_05	LORNG_JPZ0349_10	LORNG_JPZ0349_05	LORNG_JPZ0349_09
Sample Date:				062023	252023	242024	262024	262024FD	092022	142022	152023	172023	162024	262024
Sample Depth (ft bgs):				6/6/2023	10/25/2023	5/24/2024	9/26/2024	9/26/2024	5/9/2022	9/14/2022	5/15/2023	10/17/2023	5/16/2024	9/26/2024
Sample Type:				39-49	39-49	39-49	39-49	39-49	20-30	20-30	20-30	20-30	20-30	20-30
Latitude:				N	N	N	N	FD	N	N	N	N	N	N
Longitude:				46.93252504	46.93252504	46.93252504	46.93252504	46.93252504	46.93254685	46.93254685	46.93254685	46.93254685	46.93254685	46.93254685
				-67.89727227	-67.89727227	-67.89727227	-67.89727227	-67.89727227	-67.8972488	-67.8972488	-67.8972488	-67.8972488	-67.8972488	-67.8972488
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	8.1	7.7	6.9 J	6.3 J	8.8 J	2.6 J	4.2 J	3.3 J	2.2 J	3.6 U	3.5 J
Perfluoropentanoic acid (PFPeA)	-	-	-	21	19	17	17.3	21.9	5.5	6.8	7.2	3.8	4.4 J	4.6 J
Perfluorohexanoic acid (PFHxA)	990	-	-	29	26	24.8	23.9	30.3	4.6	6	6.9	3.7	4.2	4.7
Perfluoroheptanoic acid (PFHpA)	-	-	-	11	10	9.3	8.9	11.3	2.5 J	3.4 J	2.9	1.6	1.8 J	2.5 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	30	28	25.7	27.4	33.7	4.6	6.3	6.8	4.1	4.5	4.5
Perfluorononanoic acid (PFNA)	5.9	10	-	1.2 J	1.2 J	1.1 J	0.87 J	1.2 J	1 U	1.9 U	0.33 J	0.33 J	1.8 U	2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	0.95 U	1.8 U	1.9 U	1.8 U	1 U	1.9 U	0.28 U	0.93 U	1.8 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.48 U	1.8 U	1.9 U	1.8 U	1 U	1.9 U	0.16 U	0.47 U	1.8 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	0.95 U	1.8 U	1.9 U	1.8 U	1 U	1.9 U	0.26 U	0.93 U	1.8 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	0.95 U	1.8 U	1.9 U	1.8 U	1 U	1.9 U	0.39 U	0.93 U	1.8 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.48 U	1.8 U	1.9 U	1.8 U	1 U	1.9 U	0.22 U	0.47 U	1.8 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	4.2	4.1	3.8	3.9	4.4	1 U	1.3 J	0.96 J	0.89 J	0.95 J	1.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5.5	5	4.8	5	6.2	1.2 J	1.7 J	1.2 J	0.86 J	1.1 J	1.3 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	160	160	155	164	187	17.6	26.4	26	17	18.9	21.8
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.5	1.3 J	2 J	2.5 J	2.7 J	1 U	1.9 U	0.21 J	0.2 J	1.8 U	2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	90	93	75.8	73.7	95.7	13.3	16.6	13	11	9	11.1
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.9 U	1.8 U	1.9 U	1.8 U	1 U	1.9 U	0.32 U	0.88 U	1.8 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.45 U	1.8 U	1.9 U	1.8 U	1 U	1.9 U	0.23 U	0.44 U	1.8 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	0.95 U	3.6 U	3.8 U	3.6 U	NA	NA	0.34 U	0.93 U	3.6 U	4.1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.8 U	7.3 U	7.5 U	7.3 U	2 U	3.7 U	0.55 U	1.8 U	7.2 U	8.2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.8 U	7.3 U	7.5 U	7.3 U	2 U	3.7 U	2.7 J	1.8 U	7.2 U	8.2 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.6 U	7.3 U	7.5 U	7.3 U	2 U	3.7 U	1 U	3.6 U	7.2 U	8.2 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	3.1	2.8 J	2.7 J	3 J	3.1 J	1 U	1.9 U	0.12 U	0.53 J	1.8 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	0.95 U	3.6 UJ	3.8 U	3.6 U	2 U	3.7 UJ	0.35 U	0.93 U	3.6 U	4.1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	0.95 U	3.6 U	3.8 U	3.6 U	NA	NA	0.26 U	0.93 U	3.6 U	4.1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	0.95 U	3.6 U	3.8 U	3.6 U	2 U	3.7 U	0.4 U	0.93 U	3.6 U	4.1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	0.95 U	3.6 U	3.8 U	3.6 U	2 U	3.7 U	0.36 U	0.93 U	3.6 U	4.1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.4 U	18 UJ	19 U	18 U	NA	NA	1.2 U	2.3 U	18 UJ	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	4.8 U	18 UJ	19 U	18 U	NA	NA	1.7 U	4.7 U	18 UJ	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	3.8 U	1.8 U	1.9 U	1.8 U	NA	NA	1.1 U	3.7 U	1.8 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.6 U	3.6 U	3.8 U	3.6 U	NA	NA	1.2 U	3.6 U	3.6 U	4.1 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.9 U	1.8 U	1.9 U	1.8 U	NA	NA	0.54 U	1.9 U	1.8 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.48 U	3.6 U	3.8 U	3.6 U	NA	NA	0.24 U	0.47 U	3.6 U	4.1 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	57 U	3.6 U	3.8 U	3.6 U	NA	NA	30 U	56 U	3.6 U	4.1 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.3 U	3.6 U	3.8 U	3.6 U	NA	NA	3.1 U	6.2 U	3.6 U	4.1 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.3 U	3.6 U	3.8 U	3.6 U	NA	NA	2.3 U	6.2 U	3.6 U	4.1 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3 U	1.8 U	1.9 U	1.8 U	NA	NA	1 U	2.9 U	1.8 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.4 U	9.1 U	9.4 U	9.1 U	NA	NA	3.5 U	8.2 U	9 U	10 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	30 U	18 U	19 U	18 U	NA	NA	13 U	29 U	18 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	30 U	18 U	19 U	18 U	NA	NA	14 U	29 U	18 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	292.2	292.2	266.9	274.87	328.9	38	52.7	49.03	34.03	34.2	39.9

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				21. Flight Line Drainage Ditch										
Location ID:				JPZ0349	OW21005									
Sample ID:				LORNG_JPZ0349_09	LORNG_OW21005_0	LORNG_OW21005_0	LORNG_OW21005_0	LORNG_OW21005_0	LORNG_OW21005_0	LORNG_OW21005_1	LORNG_OW21005_1	LORNG_OW21005_0	LORNG_OW21005_0	LORNG_OW21005_0
Sample Date:				262024S	5092022	9142022FD	9142022	5172023	5172023FD	0182023	0182023FD	5212024	5212024FD	9302024
Sample Depth (ft bgs):				9/26/2024	5/9/2022	9/13/2022	9/14/2022	5/17/2023	5/17/2023	10/18/2023	10/18/2023	5/21/2024	5/21/2024	9/30/2024
Sample Type:				20-30	5-15	5-15	5-15	5-15	5-15	5-15	5-15	5-15	5-15	5-15
Sample Type:				N	N	FD	N	N	FD	N	FD	N	FD	N
Latitude:				46.93254685	46.9318204	46.9318204	46.9318204	46.9318204	46.9318204	46.9318204	46.9318204	46.9318204	46.9318204	46.9318204
Longitude:				-67.8972488	-67.89883342	-67.89883342	-67.89883342	-67.89883342	-67.89883342	-67.89883342	-67.89883342	-67.89883342	-67.89883342	-67.89883342
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4 J	2 U	14.8	14.5	3.6 J	3.7 J	3.6 J	4.4 J	2.2 J	2.1 J	8.6 J
Perfluoropentanoic acid (PFPeA)	-	-	-	6.1	1.1 J	45	43.2	7.1	7.4	3.5 J	3.7 J	2.6 J	2.8 J	24.2
Perfluorohexanoic acid (PFHxA)	990	-	-	5.6	1.4 J	43.7	43.3	8.6	9.4	3.7 J	3.3 J	2.8 J	3.2 J	22.4
Perfluoroheptanoic acid (PFHpA)	-	-	-	3	1.2 J	21.3	20.9	3.5	3.8	3.5 J	3.4 J	1.4 J	1.6 J	10.4
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.2	2 J	38.9	38.2	5.7	5.9	4.6 J	4.5 J	1.5 J	1.6 J	20
Perfluorononanoic acid (PFNA)	5.9	10	-	0.37 J	1 U	2.4 J	2.1 J	0.52 J	0.58 J	0.67 J	0.56 J	1.9 U	1.9 U	1.7 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.86 U	1 U	1.9 U	1.9 U	1 U	1 U	1 UJ	1 UJ	1.9 U	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.3 U	1 U	1.9 U	1.9 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	1.9 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.86 U	1 U	1.9 U	1.9 U	1 U	1 U	1 UJ	1 UJ	1.9 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.3 U	1 U	1.9 U	1.9 U	1 U	1 U	1 UJ	1 UJ	1.9 U	1.9 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.86 U	1 U	1.9 U	1.9 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	1.9 U	1.9 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.5	1 U	7.4	7.3	1.8	1.9	0.47 J	0.52 J	0.87 J	0.96 J	3.9
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.5 J	1 U	10.3	10.3	2	2.1	0.31 J	0.32 J	3.7 U	3.7 U	6.3
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	29	7.1	160	158	30	32	6.2 J	6.3 J	10.8	10.9	92.2
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.32 J	1 U	3.9	3.9	0.36 J	0.38 J	0.17 J	0.18 J	1.9 U	1.9 U	1.8 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	16	9.1	124	118	30	32	7.7 J	7.9 J	3.6 J	3.9	54.2 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.2 U	1 U	1.9 U	1.9 U	0.94 U	0.94 U	0.94 UJ	0.94 UJ	1.9 U	1.9 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.2 U	1 U	1.9 U	1.9 U	0.47 U	0.47 U	0.47 UJ	0.47 UJ	1.9 U	1.9 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.86 U	NA	NA	NA	1 U	1 U	1 UJ	1 UJ	3.7 U	3.7 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.2 U	2 U	3.7 U	3.7 U	1.9 UJ	1.9 U	1.7 UJ	1.7 UJ	7.5 U	7.4 U	7.5 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.3 U	2 U	3.7 U	3.7 U	1.9 U	1.9 U	1.7 UJ	1.7 UJ	7.5 U	7.4 U	7.5 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4.8 U	2 U	3.7 U	3.7 U	3.8 U	3.8 U	3.8 UJ	3.8 UJ	7.5 U	7.4 U	7.5 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.28 J	1 U	3.7	3.5 J	0.93 J	0.92 J	0.7 UJ	3.5 J	1.9 U	1.9 U	1.8 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1.3 U	10 UJ	0 R	0 R	1 U	1 U	1 UJ	0.91 UJ	3.7 UJ	3.7 UJ	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1.3 U	NA	NA	NA	1 U	1 U	1 UJ	0.91 UJ	3.7 U	3.7 U	3.8 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.3 U	2 U	3.7 U	3.7 U	1 U	1 U	1 UJ	1 UJ	3.7 U	3.7 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.86 U	2 U	3.7 U	3.7 U	1 U	1 U	1 UJ	1 UJ	3.7 U	3.7 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	8.6 U	NA	NA	NA	2.5 U	2.5 U	21 J	2.3 UJ	19 UJ	19 UJ	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	8.6 U	NA	NA	NA	5 U	5 U	5 UJ	4.6 UJ	19 UJ	19 UJ	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.4 U	NA	NA	NA	4 U	4 U	4 UJ	4 UJ	1.9 U	1.9 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.2 U	NA	NA	NA	3.8 U	3.8 U	3.8 UJ	3.8 UJ	3.7 U	3.7 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.9 U	NA	NA	NA	2 U	2 U	1.8 UJ	1.8 UJ	1.9 U	1.9 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	1.3 U	NA	NA	NA	0.5 U	0.5 U	0.46 UJ	0.46 UJ	3.7 U	3.7 U	3.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	26 U	NA	NA	NA	60 U	60 U	60 UJ	60 UJ	3.7 U	3.7 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.2 U	NA	NA	NA	6.6 U	6.6 U	6.6 UJ	6.6 UJ	3.7 U	3.7 U	3.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	2.4 U	NA	NA	NA	6.6 U	6.6 U	6.6 UJ	6.6 UJ	3.7 U	3.7 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.2 U	NA	NA	NA	3.1 U	3.1 U	3.1 UJ	3.1 UJ	1.9 U	1.9 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	6.3 U	NA	NA	NA	8.8 U	8.8 U	8.8 UJ	8.8 UJ	9.3 U	9.3 U	9.4 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	NA	NA	NA	31 U	31 U	31 UJ	31 UJ	19 U	19 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	NA	NA	NA	31 U	31 U	31 UJ	31 UJ	19 U	19 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	53.57	19.4	346.6	337.2	69.72	74.28	22.67	22.66	17.3	18	178.5

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				21. Flight Line Drainage Ditch	22. WWTP									
Location ID:				OW21005	BW22001						OW22001			
Sample ID:				LORNG_OW21005_093	LORNG_BW22001_0	LORNG_BW22001_1	LORNG_BW22001_0	LORNG_BW22001_1	LORNG_BW22001_0	LORNG_BW22001_0	LORNG_OW22001_0	LORNG_OW22001_0	LORNG_OW22001_0	LORNG_OW22001_1
Sample Date:				02024FD	9012022	0032022	5122023	0122023	5072024	9252024	5202022	8292022	5172023	0122023
Sample Depth (ft bgs):				9/30/2024	9/1/2022	10/3/2022	5/12/2023	10/12/2023	5/7/2024	9/25/2024	5/20/2022	8/29/2022	5/17/2023	10/12/2023
Sample Type:				5-15	74-84	74-84	74-84	74-84	74-84	74-84	5-15	5-15	5-15	5-15
Latitude:				FD	N	N	N	N	N	N	N	N	N	N
Longitude:				46.9318204	46.9165519	46.9165519	46.9165519	46.9165519	46.9165519	46.9165519	46.91657505	46.91657505	46.91657505	46.91657505
				-67.89883342	-67.9268583	-67.9268583	-67.9268583	-67.9268583	-67.9268583	-67.9268583	-67.92686956	-67.92686956	-67.92686956	-67.92686956
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	8.3 J	19 U	3.5 U	2 U	2 U	4 U	3.7 U	2 U	3.7 U	2 U	1.1 J
Perfluoropentanoic acid (PFPeA)	-	-	-	21.4	1.3 J	1.8 U	0.35 J	0.5 U	2 U	1.8 U	1 U	1.9 U	0.4 J	0.9 J
Perfluorohexanoic acid (PFHxA)	990	-	-	21.2	1.9 U	1.8 U	0.53 J	0.31 J	2 U	1.8 U	1.7 J	1.4 J	0.79 J	1.7
Perfluoroheptanoic acid (PFHpA)	-	-	-	10	1.9 U	1.8 U	0.24 J	0.5 U	2 U	1.8 U	1 U	1.9 U	0.3 J	0.85 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	18.4	1.9 U	1.8 U	0.53 J	0.34 J	0.65 J	0.92 U	2.7 J	2.3 J	0.93 J	2.6
Perfluorononanoic acid (PFNA)	5.9	10	-	1.5 J	1.9 U	1.8 U	0.5 U	0.5 U	2 U	1.8 U	1 U	1.9 U	0.5 U	0.69 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.9 U	1.8 U	1 U	1 U	2 U	1.8 U	1 U	1.9 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.9 U	1.8 U	0.5 U	0.5 U	2 U	1.8 U	1 U	1.9 U	0.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.9 U	8.8 U	1 U	1 U	2 U	1.8 U	1 U	1.9 U	1 U	1 U
Perfluorotridecanoic acid (PFTrDA)	-	-	-	1.9 U	1.9 U	8.8 U	1 U	1 U	2 U	1.8 U	1 U	1.9 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	9.3 U	1.8 U	0.5 U	0.5 U	2 U	1.8 U	1 U	1.9 U	0.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	3.9	1.9 U	1.8 U	0.16 J	0.17 J	2 U	1.8 U	1 U	1.9 U	0.18 J	0.64 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	5.5	1.9 U	1.8 U	0.47 U	0.47 U	4 U	3.7 U	1 U	1.9 U	0.23 J	0.54 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	88.7	1.4 J	1.6 J	5	2.8	5.6	2.2 J	15	12.1	7.1	18
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2.3 J	1.9 U	1.8 U	0.47 U	0.47 U	2 U	1.8 U	1 U	1.9 U	0.47 U	0.39 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	57.1	1.9 U	1.7 J	2.1	1.6	2.1 J	1.7 J	28.9	34.9	4	36
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.9 U	1.8 U	0.94 U	0.94 U	2 U	1.8 U	1 U	1.9 U	0.94 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.9 U	1.8 U	0.47 U	0.47 U	2 U	1.8 U	1 U	1.9 U	0.47 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.8 U	NA	NA	1 U	1 U	4 U	3.7 U	NA	NA	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.5 U	3.7 U	3.5 U	1.9 U	1.9 U	8 U	7.3 U	2 U	3.7 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.5 U	3.7 U	3.5 U	1.9 U	1.9 U	8 U	7.3 U	2 U	5.8 J	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.5 U	3.7 U	3.5 U	3.8 U	3.8 U	8 U	7.3 U	2 U	3.7 U	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.7 J	1.9 U	1.8 U	0.25 U	0.25 U	2 U	1.8 U	1 U	1.9 U	0.25 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.8 U	0 R	18 U	1 U	1 U	4 U	3.7 U	2 U	3.7 UJ	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.8 U	NA	NA	1 U	1 U	4 UJ	3.7 U	NA	NA	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	3.7 U	18 U	1 U	1 U	4 U	3.7 U	2 U	3.7 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	3.7 U	18 UJ	1 U	1 U	4 U	3.7 U	2 U	3.7 UJ	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	NA	NA	2.5 U	2.5 U	20 U	18 U	NA	NA	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	NA	NA	5 U	5 U	20 U	18 U	NA	NA	5 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	NA	NA	4 U	4 U	2 U	1.8 U	NA	NA	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	NA	NA	3.8 U	3.8 U	4 U	3.7 U	NA	NA	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	NA	NA	2 U	2 U	2 U	1.8 U	NA	NA	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.8 U	NA	NA	0.5 U	0.5 U	4 U	3.7 U	NA	NA	0.5 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.8 U	NA	NA	60 U	60 U	4 U	3.7 U	NA	NA	60 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.8 U	NA	NA	6.6 U	6.6 U	4 U	3.7 U	NA	NA	6.6 U	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUds)	-	-	-	3.8 U	NA	NA	6.6 U	6.6 U	4 U	3.7 U	NA	NA	6.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	NA	NA	3.1 U	3.1 U	2 U	1.8 U	NA	NA	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.4 U	NA	NA	8.8 U	8.8 U	10 U	9.2 U	NA	NA	8.8 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	NA	NA	31 U	31 U	20 U	18 U	NA	NA	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	NA	NA	31 U	31 U	20 U	18 U	NA	NA	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	175.7	1.4	3.3	7.87	4.74	8.35	3.9	46.6	49.3	12.33	58.14

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				22. WWTP								23. Base Laundry		
Location ID:				OW22001		OW22003						JBW7203A		
Sample ID:				LORNG_OW22001_0	LORNG_OW22001_0	LORNG_OW22003_0	LORNG_OW22003_1	LORNG_OW22003_0	LORNG_OW22003_1	LORNG_OW22003_0	LORNG_OW22003_0	LORNG_JBW7203A_	LORNG_JBW7203A_	LORNG_JBW7203A_
Sample Date:				5162024	9252024	9012022	0032022	5172023	0182023	5162024	9252024	05172022	09132022	05232023
Sample Depth (ft bgs):				5-15	5-15	5-15	5-15	5-15	5-15	5-15	5-15	74-84	74-84	74-84
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.91657505	46.91657505	46.9159853	46.9159853	46.9159853	46.9159853	46.9159853	46.9159853	46.92774425	46.92774425	46.92774425
Longitude:				-67.92686956	-67.92686956	-67.9270069	-67.9270069	-67.9270069	-67.9270069	-67.9270069	-67.9270069	-67.89734555	-67.89734555	-67.89734555
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4 U	3.6 U	4.7 J	4.9 J	1.5 J	1.3 J	3.7 U	3.6 U	5.6 J	6.4 J	6.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	2 U	0.93 J	7.4	5.9	2 J	1.6 J	1.3 J	1.6 J	11.8	14	14
Perfluorohexanoic acid (PFHxA)	990	-	-	1.4 J	1.5 J	6	4.6	2.2	1.6 J	1.5 J	1.3 J	8.3	9.9	9.7
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.81 J	0.77 J	3.2 J	2.7 J	1.1 J	1 J	0.72 J	0.85 J	5.3	6.3	6.3
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.7 J	2.3 J	7.3	5.8	2.8	2 J	1.6 J	1.7 J	6.1	8	6.6
Perfluorononanoic acid (PFNA)	5.9	10	-	0.62 J	0.66 J	1.8 J	2.2 U	0.45 J	0.46 J	1.8 U	1.8 U	1 U	0.95 J	0.68 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1.8 U	1.9 U	2.2 U	1 U	1 UJ	1.8 U	1.8 U	1 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	1.8 U	1.9 U	2.2 U	0.5 U	0.5 UJ	1.8 U	1.8 U	1 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	1.8 U	1.9 U	2.2 U	1 U	1 UJ	1.8 U	1.8 U	1 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	1.8 U	1.9 U	2.2 U	1 U	1 UJ	1.8 U	1.8 U	1 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	1.8 U	9.3 U	2.2 U	0.5 U	0.5 UJ	1.8 U	1.8 U	1 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 U	1.8 U	2.5 J	2.2 U	0.58 J	0.71 J	0.47 J	0.51 J	1.8 J	1.9 J	2
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4 U	3.6 U	1.9 U	2.2 U	0.48 J	0.44 J	3.7 U	3.6 U	2.2 J	2.6 J	2.4
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	13.5	13.2	30.8	22.9	15	16 J	11	14.3	21.3	22.7	24
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	0.53 J	1.9 U	2.2 U	0.25 J	0.35 J	1.8 U	1.8 U	1 J	1 J	0.47 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	26.4	36.7	54.9	32.9	17	18 J	12.4	15.6	26.8	37.2	29
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	1.8 U	1.9 U	2.2 U	0.94 U	0.94 UJ	1.8 U	1.8 U	1 U	1.9 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	1.8 U	1.9 U	2.2 U	0.47 U	0.47 UJ	1.8 U	1.8 U	1 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4 U	3.6 U	NA	NA	1 U	1 UJ	3.7 U	3.6 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.9 U	7.2 U	3.7 U	4.3 U	1.9 U	1.9 UJ	7.3 U	7.2 U	2 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.9 U	7.2 U	3.7 U	4.3 U	1.2 J	1.9 UJ	7.3 U	3.8 J	2 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.9 U	7.2 U	3.7 U	4.3 U	3.8 U	3.8 UJ	7.3 U	7.2 U	2 U	3.7 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	1.8 U	1.9 U	2.2 U	0.25 U	0.32 NJ	1.8 U	1.8 U	1 U	1.9 U	0.37 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4 UJ	3.6 U	0 R	22 U	1 U	1 UJ	3.7 U	3.6 U	2 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4 U	3.6 U	NA	NA	1 U	1 UJ	3.7 U	3.6 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	3.6 U	3.7 U	4.3 U	1 U	1 UJ	3.7 U	3.6 U	2 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	3.6 U	3.7 U	4.3 U	1 U	1 UJ	3.7 U	3.6 U	2 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 UJ	18 U	NA	NA	2.5 U	2.5 UJ	18 UJ	18 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 UJ	18 U	NA	NA	5 U	5 UJ	18 UJ	18 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	1.8 U	NA	NA	4 U	4 UJ	1.8 U	1.8 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4 U	3.6 U	NA	NA	3.8 U	3.8 UJ	3.7 U	3.6 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 U	NA	NA	2 U	2 UJ	1.8 U	1.8 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4 U	3.6 U	NA	NA	0.5 U	0.5 UJ	3.7 U	3.6 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4 U	3.6 U	NA	NA	60 U	60 UJ	3.7 U	3.6 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4 U	3.6 U	NA	NA	6.6 U	6.6 UJ	3.7 U	3.6 U	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4 U	3.6 U	NA	NA	6.6 U	6.6 UJ	3.7 U	3.6 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	1.8 U	NA	NA	3.1 U	3.1 UJ	1.8 U	1.8 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.9 U	9 U	NA	NA	8.8 U	8.8 UJ	9.2 U	9 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	18 U	NA	NA	31 U	31 UJ	18 U	18 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	18 U	NA	NA	31 U	31 UJ	18 U	18 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	43.03	53.63	98	64.3	36.35	37.46	25.72	32.45	59.5	75.15	66.58

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				23. Base Laundry										
Location ID:				JBW7203A			JBW7203B					JBW7304		
Sample ID:				LORNG_JBW7203A_10172023	LORNG_JBW7203A_05102024	LORNG_JBW7203A_09262024	LORNG_JBW7203B_05102022	LORNG_JBW7203B_09132022	LORNG_JBW7203B_05232023	LORNG_JBW7203B_10172023	LORNG_JBW7203B_05102024	LORNG_JBW7203B_09262024	LORNG_JBW7304_05102022	LORNG_JBW7304B_09182022
Sample Date:				10/17/2023	5/10/2024	9/26/2024	5/10/2022	9/13/2022	5/23/2023	10/17/2023	5/10/2024	9/26/2024	5/10/2022	9/18/2022
Sample Depth (ft bgs):				74-84	74-84	74-84	43-53	43-53	43-53	43-53	43-53	43-53	114-124	114-124
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.92774425	46.92774425	46.92774425	46.92774423	46.92774423	46.92774423	46.92774423	46.92774423	46.92774423	46.9316432	46.9316432
Longitude:				-67.89734555	-67.89734555	-67.89734555	-67.89734155	-67.89734155	-67.89734155	-67.89734155	-67.89734155	-67.89734155	-67.8943562	-67.8943562
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	5.9 J	6.2 J	7.9 J	5.2 J	5.9 J	5 J	5.6 J	6.2 J	4.7 J	6.4 J	8.5
Perfluoropentanoic acid (PFPeA)	-	-	-	12	10.7	12.7	10.8	10.9	10	11	11.5	8.5	14.5	19.1
Perfluorohexanoic acid (PFHxA)	990	-	-	9.1	8.3	9.4	8.4	8.1	8	8.8	9.2	6.4	8.5	10.9
Perfluoroheptanoic acid (PFHpA)	-	-	-	5.9	5.4	6.4	5.3	5.5	5.1	5.5	6.2	3.9	5.7	7.2
Perfluorooctanoic acid (PFOA)	0.0027	4	-	6	6.3	7	5.8	6.7	6.3	6.4	6.5	5	5	5.9
Perfluorononanoic acid (PFNA)	5.9	10	-	0.79 J	1.4 J	2.2 J	1.2 J	1.9 U	0.62 J	0.63 J	0.78 J	1.9 U	1 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.93 U	1.8 U	0.78 J	1 U	1.9 U	1 U	0.98 U	1.8 U	1.9 U	1 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.47 U	1.8 U	1.8 U	1.8 U	1 U	1.9 U	0.5 U	0.49 U	1.8 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.93 U	1.8 U	1.8 U	1 U	1.9 U	1 U	0.98 U	1.8 U	1.9 U	1 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0 R	1.8 U	1.8 U	1 U	1.9 U	1 U	0.98 U	1.8 U	1.9 U	1 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0 R	1.8 U	1.8 U	1 U	1.9 U	0.5 U	0.49 U	1.8 U	1.9 U	1 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.2	1.9 J	2.1 J	1.7 J	2.3 J	1.9	2.1	2.3 J	1.9 J	2.1 J	2.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.7	2.5 J	2.9 J	2.3 J	3.1 J	2.3	2.6	2.8 J	3 J	2.8 J	3 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	26	22.2	23.2	20.5	27.3	24	27	27.9	23.9	27.5	27.7
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.61 J	0.85 J	0.89 J	1 U	1.9 U	0.6 J	0.62 J	0.97 J	1.9 U	2.2 J	1.7 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	30	27.5	31.7	27.5	32.4	31	35	32.4	25.2	117	108
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.88 U	1.8 U	1.8 U	1 U	1.9 U	0.94 U	0.92 U	1.8 U	1.9 U	1 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.44 U	1.8 U	1.8 U	1 U	1.9 U	0.47 U	0.46 U	1.8 U	1.9 U	1 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.93 U	3.6 U	3.6 U	NA	NA	1 U	0.98 U	3.6 U	3.7 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.8 U	7.3 U	7.3 U	2 U	3.7 U	1.9 U	1.9 U	7.3 U	7.5 U	2 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.8 U	7.3 U	7.3 U	2 U	3.7 U	1.9 U	1.9 U	7.3 U	7.5 U	2 U	4.8 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.6 U	7.3 U	7.3 U	2 U	3.7 U	3.8 U	3.7 U	7.3 U	7.5 U	2 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.23 U	1.8 U	1.8 U	1 U	1.9 U	0.25 U	0.25 U	1.8 U	1.9 U	1 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0 R	3.6 U	3.6 U	2 U	3.7 U	1 U	0.98 U	3.6 U	3.7 U	2 U	3.7 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	0 R	3.6 UJ	3.6 U	NA	NA	1 U	0.98 U	3.6 UJ	3.7 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	0.93 U	3.6 U	3.6 U	2 U	3.7 U	1 U	0.98 U	3.6 U	3.7 U	2 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.93 U	3.6 U	3.6 U	2 U	3.7 U	1 U	0.98 U	3.6 U	3.7 U	2 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.3 UJ	18 U	18 U	NA	NA	2.5 U	2.5 U	18 U	19 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	0 R	18 U	18 U	NA	NA	5 U	4.9 U	18 U	19 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.7 U	1.8 U	1.8 U	NA	NA	4 U	3.9 U	1.8 U	1.9 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	3.6 U	3.6 U	NA	NA	3.8 U	3.7 U	3.6 U	3.7 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.8 U	1.8 U	NA	NA	2 U	2 U	1.8 U	1.9 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.47 U	3.6 U	3.6 U	NA	NA	0.5 U	0.49 U	3.6 U	3.7 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	56 U	3.6 U	3.6 U	NA	NA	60 U	59 U	3.6 U	3.7 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.2 U	3.6 U	3.6 U	NA	NA	6.6 U	6.5 U	3.6 U	3.7 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.2 U	3.6 U	3.6 U	NA	NA	6.6 U	6.5 U	3.6 U	3.7 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.9 U	1.8 U	1.8 U	NA	NA	3.1 U	3 U	1.8 U	1.9 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.2 U	9.1 U	9.1 U	NA	NA	8.8 U	8.6 U	9.1 U	9.3 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	29 U	18 U	18 U	NA	NA	31 U	30 U	18 U	19 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	29 U	18 U	18 U	NA	NA	31 U	30 U	18 U	19 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	68.69	62.8	71.28	60.3	71.9	67.02	74.53	73.78	58	155.2	148.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				23. Base Laundry										
Location ID:				JBW7304				JMW1960						
Sample ID:				LORNG_JBW7304_0	LORNG_JBW7304_1	LORNG_JBW7304_0	LORNG_JBW7304_1	LORNG_JMW1960_0	LORNG_JMW1960_0	LORNG_JMW1960_0	LORNG_JMW1960_1	LORNG_JMW1960_0	LORNG_JMW1960_1	JMW1981*
Sample Date:				6132023	1012023	6072024	0172024	5182022	9142022	5252023	0262023	5222024	0082024	5082022
Sample Depth (ft bgs):				114-124	114-124	114-124	114-124	25-35	25-35	25-35	25-35	25-35	25-35	42-52
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9316432	46.9316432	46.9316432	46.9316432	46.92843055	46.92843055	46.92843055	46.92843055	46.92843055	46.92843055	46.9293313
Longitude:				-67.8943562	-67.8943562	-67.8943562	-67.8943562	-67.89504017	-67.89504017	-67.89504017	-67.89504017	-67.89504017	-67.89504017	-67.895659
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	7.4	7.4	6.2 J	8.4 J	7.7 J	7.4	2 U	7.4	4.1 U	3.6 U	4.7 J
Perfluoropentanoic acid (PFPeA)	-	-	-	18	22	12.9	23.3	21.3	19.3	17	14	11.6	11	11.4
Perfluorohexanoic acid (PFHxA)	990	-	-	12	12	9.4	17.3	23.7	21.1	20	17	12.3	14	8.4
Perfluoroheptanoic acid (PFHpA)	-	-	-	8.2	8.8	5.9	9.4	12.7	12.8	10	8.3	6.2	7.5	4.9
Perfluorooctanoic acid (PFOA)	0.0027	4	-	6	6.6	4.7	7.8	31.2	29.2	24	17	13.3	15	6.9
Perfluorononanoic acid (PFNA)	5.9	10	-	0.62 J	0.64 J	1.9 U	0.77 J	1.7 J	1.7 J	1.5 J	1.3 J	0.93 J	1.2 J	1 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1 U	1.9 U	1.9 U	1 U	1.9 U	0.33 J	1 U	2.1 U	0.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.51 U	1.9 U	1.9 U	1 U	1.9 U	0.5 U	0.51 U	2.1 U	1.3 U	1 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	1.9 U	1.9 U	1 U	1.9 U	1 U	1 U	2.1 U	0.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	1.9 U	1.9 U	1 U	1.9 U	1 U	1 U	2.1 U	1.3 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.51 U	1.9 U	1.9 U	1 U	1.9 U	0.5 U	0.51 U	2.1 U	0.9 U	1 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2	2.6	1.6 J	1.9 J	4.4	4.3	3.9	4	2.8 J	3.1	2.7 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.4	2.7	2.1 J	3 J	5.7	5.3	4.5	4.4	3.1 J	3.4	3.2 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	24	23	22.9	25.5	85.8	84	78	57	42.2	52	22.8
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.59 J	0.59 J	0.79 J	1.1 J	3.3 J	3.6 J	2.1	1.7	1.5 J	1.3 J	1.1 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	34	34	25.7	35.2	234	280	170	140	108	120	37.7
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.96 U	1.9 U	1.9 U	1 U	1.9 U	0.94 U	0.95 U	2.1 U	1.2 U	1 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.48 U	1.9 U	1.9 U	1 U	1.9 U	0.47 U	0.48 U	2.1 U	1.2 U	1 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	3.8 U	3.9 U	NA	NA	1 U	1 U	4.1 U	0.9 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.7 U	7.6 U	7.8 U	2 U	3.7 U	1.9 U	1.9 U	8.2 U	3.4 U	2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	44	1.9 U	7.6 U	7.8 U	5.5 J	5.3 J	4.8 J	3.1 J	8.2 U	2.6 J	2 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.9 U	7.6 U	7.8 U	7.5 J	8.9	7.6	6.7	8.2 U	4.6 J	2 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	0.25 U	1.9 U	1.9 U	8.9	11.1	2.6	5.6	5.3	6.5 J	1 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	3.8 U	3.9 U	10 U	0 R	1 U	1 U	4.1 UJ	1.3 U	2 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	3.8 U	3.9 U	NA	NA	1 U	1 U	4.1 U	1.3 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	3.8 U	3.9 U	2 U	3.7 U	1 U	1 U	4.1 U	1.3 U	2 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	1 U	3.8 U	3.9 U	2 U	3.7 U	1 U	1 U	4.1 U	0.9 U	2 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.5 U	19 U	19 U	NA	NA	2.5 U	2.5 U	21 UJ	9 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5.1 U	19 U	19 U	NA	NA	5 U	5.1 U	21 UJ	9 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4.1 U	1.9 U	1.9 U	NA	NA	4 U	4.1 U	2.1 U	3.6 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.9 U	3.8 U	3.9 U	NA	NA	3.8 U	3.9 U	4.1 U	3.4 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 U	1.9 U	1.9 U	NA	NA	2 U	2 U	2.1 U	3.1 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.51 U	3.8 U	3.9 U	NA	NA	0.5 U	0.51 U	4.1 U	1.3 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	61 U	3.8 U	3.9 U	NA	NA	60 U	61 U	4.1 U	26 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.7 U	3.8 U	3.9 U	NA	NA	6.6 U	6.7 U	4.1 U	3.4 U	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.7 U	3.8 U	3.9 U	NA	NA	6.6 U	6.7 U	4.1 U	2.4 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.1 U	1.9 U	1.9 U	NA	NA	3.1 U	3.1 U	2.1 U	2.2 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.9 U	9.5 U	9.7 U	NA	NA	8.8 U	8.9 U	10 U	6.5 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	31 U	19 U	19 U	NA	NA	31 U	31 U	21 U	33 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	31 U	19 U	19 U	NA	NA	31 U	31 U	21 U	33 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	72.82	73.04	59.2	78.67	365.4	407.7	283.83	223.6	170.63	195.7	72.3

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				23. Base Laundry										
Location ID:				JMW1981*					JMW3601*					
Sample ID:				LORNG_JMW1981_0	LORNG_JMW1981_0	LORNG_JMW1981_1	LORNG_JMW1981_0	LORNG_JMW1981_0	LORNG-JMW3601-	LORNG_JMW3601_0	LORNG_JMW3601_0	LORNG_JMW3601_0	LORNG_JMW3601_1	LORNG_JMW3601_0
Sample Date:				9132022	5192023	0202023	5162024	9262024	10232021	5102022	9182022	6082023	0252023	5152024
Sample Depth (ft bgs):				42-52	42-52	42-52	42-52	42-52	38-48	38-48	38-48	38-48	38-48	38-48
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9293313	46.9293313	46.9293313	46.9293313	46.9293313	46.93058991	46.93058991	46.93058991	46.93058991	46.93058991	46.93058991
Longitude:				-67.895659	-67.895659	-67.895659	-67.895659	-67.895659	-67.89327859	-67.89327859	-67.89327859	-67.89327859	-67.89327859	-67.89327859
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	5.8 J	5.7 J	5 J	4.2 J	4.4 J	2.6 J	2.7 J	2.1 J	1.9 J	2.1 J	2.4 J
Perfluoropentanoic acid (PFPeA)	-	-	-	10.8	13	9.8	8.2	8.6	3.47 J	4.3	2 J	2.3 J	4.6 J-	1.9 J
Perfluorohexanoic acid (PFHxA)	990	-	-	7.9	10	7.2	6.4	6	2.07 J	3 J	1.4 J	1.8	2.5	1.9 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	4.9	5.6	4.5	3.7	3.5 J	1.84 J	1.9 J	1.2 J	1.5 J	1.9	1.6 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.5	6.8	5.3	4.5	4.4	13.3	5.8	6.2	6.5	6.1	5.4
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	0.51 J	0.51 J	1.9 U	0.6 J	1.99 U	1 U	1.9 U	0.37 J	0.36 J	1.8 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	1 U	1.9 U	1.8 U	1.99 U	1 U	1.9 U	1 U	1 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.5 U	1.9 U	1.8 U	1.99 U	1 U	1.9 U	0.5 U	0.52 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	1 U	1.9 U	1.8 U	1.99 U	1 U	1.9 U	1 U	1 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	1 U	1.9 U	1.8 U	1.99 U	1 U	1.9 U	1 U	1 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.5 U	1.9 U	1.8 U	1.99 U	1 U	1.9 U	0.5 U	0.52 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.1 J	3.2	2.6	2.1 J	2.2 J	1.99 U	1 U	1.9 U	0.79 J	0.75 J	0.76 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.9 J	3.9	2.8	2.6 J	2.9 J	1.93 J	1 U	1.3 J	0.75 J	0.8 J	3.6 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	26	32	28	26.4	24.5	10.7	5.2	8.8	7.3	7.5	7.4
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.95 J	0.68 J	0.65 J	0.95 J	1.2 J	1.99 U	1 U	1.9 U	0.47 U	0.18 J	1.8 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	29	38	34	23.4	26	10.7	6.9	10.7	8.5	8.4	8.4
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.94 U	1.9 U	1.8 U	1.99 U	1 U	1.9 U	0.94 U	0.98 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.47 U	1.9 U	1.8 U	1.99 U	1 U	1.9 U	0.47 U	0.49 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.7 U	3.6 U	NA	NA	NA	1 U	1 U	3.6 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	1.9 U	7.4 U	7.2 U	1.99 U	2 U	3.7 U	1.9 U	2 U	7.3 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.7 U	1.9 U	1.9 U	7.4 U	7.2 U	5.77 J	2 U	3.7 U	1.9 U	2 U	7.3 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.8 U	3.8 U	7.4 U	7.2 U	1.99 U	2 U	3.7 U	3.8 U	4 U	7.3 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	0.13 J	0.25 U	1.9 U	1.8 U	4.53	1 U	1.9 U	0.25 U	0.17 U	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	1 U	1 U	3.7 U	3.6 U	9.96 U	2 U	3.7 UJ	1 U	1 U	3.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.7 U	3.6 U	NA	NA	NA	1 U	1 U	3.6 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	1 U	3.7 U	3.6 U	1.99 UJ	2 U	3.7 U	1 U	1 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1 U	1 U	3.7 U	3.6 U	1.99 U	2 U	3.7 U	1 U	1 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	19 UJ	18 U	NA	NA	NA	2.5 U	2.6 U	18 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	19 UJ	18 U	NA	NA	NA	5 U	5.2 U	18 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	1.9 U	1.8 U	NA	NA	NA	4 U	4.2 U	1.8 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.7 U	3.6 U	NA	NA	NA	3.8 U	4 U	3.6 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.9 U	1.8 U	NA	NA	NA	2 U	2.1 U	1.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	3.7 U	3.6 U	NA	NA	NA	0.5 U	0.52 U	3.6 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	3.7 U	3.6 U	NA	NA	NA	60 U	62 U	3.6 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	3.7 U	3.6 U	NA	NA	NA	6.6 U	6.9 U	3.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	6.6 U	6.6 U	3.7 U	3.6 U	NA	NA	NA	6.6 U	6.9 U	3.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	1.9 U	1.8 U	NA	NA	NA	3.1 U	3.2 U	1.8 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	9.3 U	9 U	NA	NA	NA	8.8 U	9.1 U	9.1 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	19 U	18 U	NA	NA	NA	31 U	32 U	18 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	19 U	18 U	NA	NA	NA	31 U	32 U	18 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	65.4	82.91	72.31	58	59	36.54	19.8	26.9	24.17	24.26	22.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				23. Base Laundry										
Location ID:				JMW3601*	MMW0124*								OW23001	
Sample ID:				LORNG_JMW3601_1	LORNG-MMW0124-	LORNG_MMW0124_	LORNG_MMW0124_	LORNG_MMW0124_	LORNG_MMW0124_	LORNG_MMW0124_	LORNG_MMW0124_	LORNG_MMW0124_	LORNG_OW23001_0	LORNG_OW23001_1
Sample Date:				0092024	10212021	05102022	05102022FD	09142022	05252023	10102023	05162024	10092024	8172022	0022022
Sample Depth (ft bgs):				10/9/2024	10/21/2021	5/10/2022	5/10/2022	9/14/2022	5/25/2023	10/10/2023	5/16/2024	10/9/2024	8/17/2022	10/2/2022
Sample Type:				38-48	32-42	32-42	32-42	32-42	32-42	32-42	32-42	32-42	20-30	20-30
Latitude:				N	N	N	FD	N	N	N	N	N	N	N
Longitude:				46.93058991	46.93009337	46.93009337	46.93009337	46.93009337	46.93009337	46.93009337	46.93009337	46.93009337	46.9277685	46.9277685
				-67.89327859	-67.89411966	-67.89411966	-67.89411966	-67.89411966	-67.89411966	-67.89411966	-67.89411966	-67.89411966	-67.8975802	-67.8975802
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.3 J	3.51 J	3.9 J	4.2 J	3.7 J	3.9 J	3.8 J	3.5 J	3.6 J	8.4 J	8.8
Perfluoropentanoic acid (PFPeA)	-	-	-	2 J	4.93	6.6	7.3	5.7	6.2	5.4 J	4.9 J	5	15.5	17.1
Perfluorohexanoic acid (PFHxA)	990	-	-	1.6 J	3.24 J	4.7	4.9	4.3	4.7	3.9 J	3.4 J	3.7	10.4	12.2
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.3 J	2.87 J	3.1 J	3.3 J	3.2 J	3.5	3.2 J	2.7 J	3	7.8	9.2
Perfluorooctanoic acid (PFOA)	0.0027	4	-	6.4	5.92	7.3	8	6.3	5.4	6.3 J	4.6	4.9	7.6	8.6
Perfluorononanoic acid (PFNA)	5.9	10	-	0.45 J	1.89 U	1 U	1 U	1.9 U	0.54 J	0.62 J	2.2 U	0.54 J	1 J	1.1 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.86 U	1.89 U	1 U	1 U	1.9 U	1 U	1 UJ	2.2 U	0.87 U	1.9 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.3 U	1.89 U	1 U	1 U	1.9 U	0.5 U	0.51 UJ	2.2 U	1.3 U	1.9 U	1.8 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.86 U	1.89 U	1 U	1 U	1.9 U	1 U	1 UJ	2.2 U	0.87 U	1.9 U	1.8 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.3 U	1.89 U	1 U	1 U	1.9 U	1 U	1 UJ	2.2 U	1.3 U	1.9 U	1.8 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.86 U	1.89 U	1 U	1 U	1.9 U	0.5 U	0.51 UJ	2.2 U	0.87 U	1.9 U	1.8 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.1 J	1.89 U	1 U	1 U	1.3 J	1.1 J	1.1 J	1.1 J	1.1 J	2.4 J	4.6
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1 J	1.94 J	1 J	1 U	1.7 J	1.1 J	0.98 J	1.3 J	1.2 J	3.7	3.6
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	9.1	10.1	7.4	8.1	13.1	13	11 J	10.9	11	27.1	28.4
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.59 U	1.89 U	1 U	1 U	1.9 U	0.25 J	0.48 UJ	2.2 U	0.23 J	1.9 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	9.5	15.1 J	8.5	9.2	15.8	13	12 J	11.8	14	27.7	33
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.2 U	1.89 U	1 U	1 U	1.9 U	0.94 U	0.96 UJ	2.2 U	1.2 U	1.9 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.2 U	1.89 U	1 U	1 U	1.9 U	0.47 U	0.48 UJ	2.2 U	1.2 U	1.9 U	1.8 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.86 U	NA	NA	NA	NA	1 U	1 UJ	4.4 U	0.87 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.2 U	1.89 U	2 U	2 U	3.7 U	1.9 U	1.9 UJ	8.8 U	3.3 U	3.7 U	3.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.3 U	1.89 U	2 U	2 U	3.7 U	1.9 U	1.9 UJ	8.8 U	3.4 U	3.7 U	3.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4.8 U	1.89 U	2 U	2 U	3.7 U	3.8 U	3.9 UJ	8.8 U	4.9 U	3.7 U	3.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.4 J	1.89 U	1 U	1 U	1.9 U	0.25 U	0.26 UJ	2.2 U	0.44 J	1.9 U	1.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1.3 U	0 R	2 U	2 U	0 R	1 U	1 UJ	4.4 U	1.3 U	3.7 U	18 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1.3 U	NA	NA	NA	NA	1 U	1 UJ	4.4 U	1.3 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.3 U	1.89 U	2 U	2 U	3.7 U	1 U	1 UJ	4.4 U	1.3 U	3.7 U	3.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.86 U	1.89 U	2 U	2 U	3.7 U	1 U	1 UJ	4.4 U	0.87 U	3.7 U	3.6 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	8.6 U	NA	NA	NA	NA	2.5 U	2.6 UJ	22 UJ	8.7 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	8.6 U	NA	NA	NA	NA	5 U	5.1 UJ	22 UJ	8.7 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.4 U	NA	NA	NA	NA	4 U	4.1 UJ	2.2 U	3.5 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.2 U	NA	NA	NA	NA	3.8 U	3.9 UJ	4.4 U	3.3 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.9 U	NA	NA	NA	NA	2 U	2 UJ	2.2 U	3 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	1.3 U	NA	NA	NA	NA	0.5 U	0.51 UJ	4.4 U	1.3 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	25 U	NA	NA	NA	NA	60 U	61 UJ	4.4 U	26 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.2 U	NA	NA	NA	NA	6.6 U	6.7 UJ	4.4 U	3.3 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	2.4 U	NA	NA	NA	NA	6.6 U	6.7 UJ	4.4 U	2.4 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.2 U	NA	NA	NA	NA	3.1 U	3.2 UJ	2.2 U	2.2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	6.3 U	NA	NA	NA	NA	8.8 U	9 UJ	11 U	6.3 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	NA	NA	NA	NA	31 U	32 UJ	22 U	32 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	NA	NA	NA	NA	31 U	32 UJ	22 U	32 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	26.75	33.99	26.3	28.6	38.4	35.44	33.12	30	33.44	71.2	80.3

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				23. Base Laundry				Greenlaw Brook Drainage						
Location ID:				OW23001				043-MW03						
Sample ID:				LORNG_OW23001_0	LORNG_OW23001_1	LORNG_OW23001_0	LORNG_OW23001_0	LORNG_043-MW03_05172022	LORNG_043-MW03_09062022	LORNG_043-MW03_05162023	LORNG_043-MW03_10232023	LORNG_043-MW03_05172024	LORNG_043-MW03_10092024	EBGB_BW001-LORNG_EBGB_BW001_08092022
Sample Date:				5/16/2023	10/23/2023	5/10/2024	9/26/2024	5/17/2022	9/6/2022	5/16/2023	10/23/2023	5/17/2024	10/9/2024	8/9/2022
Sample Depth (ft bgs):				20-30	20-30	20-30	20-30	15-25	15-25	15-25	15-25	15-25	15-25	75-85
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9277685	46.9277685	46.9277685	46.9277685	46.92371617	46.92371617	46.92371617	46.92371617	46.92371617	46.92371617	46.9201484
Longitude:				-67.8975802	-67.8975802	-67.8975802	-67.8975802	-67.92216518	-67.92216518	-67.92216518	-67.92216518	-67.92216518	-67.92216518	-67.9252073
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.4	5.4 J	5.3 J	6.6 J	3.2 J	3.1 J	3.9 J	5.6	5.2 J	7.6	2.7 J
Perfluoropentanoic acid (PFPeA)	-	-	-	14	11	11	11.7	3.2 J	4.6	2.6 J	4.4	3.6 J	7.2	1.8 J
Perfluorohexanoic acid (PFHxA)	990	-	-	10	8	8.7	8.9	2.5 J	2.2 J	2.3	4.3	2.6 J	6.6	1.7 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	6.7	5.6	6.1	6	1.7 J	1.8 J	1.8	2.9	1.9 J	4.1	1.9 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	7.1	6	5.8	6.3	3.1 J	3.3 J	3.4	4.6	3.1 J	7	1.3 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.71 J	0.75 J	0.8 J	0.93 J	1 U	1.9 U	0.71 J	1.1 J	2.4 U	1.6	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	0.87 U	1.9 U	1.8 U	1 U	1.9 U	0.28 U	0.84 U	2.4 U	0.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.44 U	1.9 U	1.8 U	1 U	1.9 U	0.16 U	0.42 U	2.4 U	1.3 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	0.87 U	1.9 U	1.8 U	1 U	1.9 U	0.26 U	0.84 U	2.4 U	0.9 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	0.87 U	1.9 U	1.8 U	1 U	1.9 U	0.39 U	0.84 U	2.4 U	1.3 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.44 U	1.9 U	1.8 U	1 U	1.9 U	0.22 U	0.42 U	2.4 U	0.9 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.6	2.2	2.2 J	2.3 J	1.9 J	1.6 J	1.9	2.3	1.4 J	2.6	0.97 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.9	2.8	2.8 J	3.3 J	2.1 J	2.1 J	2.1	2.4	1.9 J	2.8	1.9 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	29	27	26.3	29.1	20.5	19.5	22	24	16.5	27	3 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.77 J	0.49 J	0.91 J	0.99 J	1.2 J	1.1 J	0.79 J	1.1 J	0.93 J	1.1 J	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	28	32	26.1	27	58	67.7	62	80	55	110	1.4 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.82 U	1.9 U	1.8 U	1 U	1.9 U	0.32 U	0.79 U	2.4 U	1.2 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.41 U	1.9 U	1.8 U	1 U	1.9 U	0.23 U	0.39 U	2.4 U	1.2 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	0.87 UJ	3.8 U	3.6 U	NA	NA	0.34 U	0.84 U	4.8 U	0.9 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.7 U	7.5 U	7.3 U	2 U	3.7 U	0.55 U	1.6 U	9.6 U	3.4 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.7 U	7.5 U	7.3 U	2 U	3.7 U	0.79 U	1.6 U	9.6 U	3.5 U	2.7 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.3 U	7.5 U	7.3 U	2 U	3.7 U	1 U	3.2 U	9.6 U	5 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.29 J	0.12 J	1.9 U	1.8 U	1 U	1.9 U	0.18 J	0.21 NJ	2.4 U	0.37 J	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	0.87 U	3.8 U	3.6 U	10 UJ	3.7 UJ	0.35 U	0.84 U	4.8 U	1.3 U	3.7 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	0.87 U	3.8 UJ	3.6 U	NA	NA	0.26 U	0.84 U	4.8 U	1.3 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	0.87 U	3.8 U	3.6 U	2 U	3.7 U	0.4 U	0.84 U	4.8 U	1.3 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	0.87 U	3.8 U	3.6 U	2 U	3.7 U	0.36 U	0.84 U	4.8 U	0.9 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.2 U	19 U	18 U	NA	NA	1.2 U	2.1 U	24 UJ	9 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	4.4 U	19 U	18 U	NA	NA	1.7 U	4.2 U	24 UJ	9 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	3.5 U	1.9 U	1.8 U	NA	NA	1.1 U	3.4 U	2.4 U	3.6 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.3 U	3.8 U	3.6 U	NA	NA	1.2 U	3.2 U	4.8 U	3.4 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.7 U	1.9 U	1.8 U	NA	NA	0.54 U	1.7 U	2.4 U	3.1 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.44 U	3.8 U	3.6 U	NA	NA	0.24 U	0.42 U	4.8 U	1.3 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	52 U	3.8 U	3.6 U	NA	NA	30 U	50 U	4.8 U	27 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	5.8 U	3.8 U	3.6 U	NA	NA	3.1 U	5.5 U	4.8 U	3.4 U	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	5.8 U	3.8 U	3.6 U	NA	NA	2.3 U	5.5 U	4.8 U	2.5 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	2.7 U	1.9 U	1.8 U	NA	NA	1 U	2.6 U	2.4 U	2.2 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	7.7 U	9.4 U	9.1 U	NA	NA	3.5 U	7.4 UJ	12 U	6.5 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	27 U	19 U	18 U	NA	NA	13 U	26 U	24 U	33 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	27 U	19 U	18 U	NA	NA	14 U	26 U	24 U	33 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	71.51	71.35	65.1	69.33	83.3	92.3	89.91	112.6	76.5	149.7	5.7

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				Greenlaw Brook Drainage										
Location ID:				EBGB BW001					EBGB BW002					EBGB_OW002
Sample ID:				LORNG_EBGB_BW00	LORNG_EBGB_BW00	LORNG_EBGB_BW00	LORNG_EBGB_BW00	LORNG_EBGB_BW00	LORNG_EBGB_BW00	LORNG_EBGB_BW00	LORNG_EBGB_BW00	LORNG_EBGB_BW00	LORNG_EBGB_BW00	LORNG_EBGB_OW00
Sample Date:				1 10012022	1 05162023	1 10122023	1 05022024	1 09202024	2 08052022	2 09302022	2 06082023	2 10192023	2 05132024	2 08062022
Sample Depth (ft bgs):				10/1/2022	5/16/2023	10/12/2023	5/2/2024	9/20/2024	8/5/2022	9/30/2022	6/8/2023	10/19/2023	5/13/2024	8/6/2022
Sample Type:				75-85	75-85	75-85	75-85	75-85	95-105	95-105	95-105	95-105	95-105	45-55
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.9201484	46.9201484	46.9201484	46.9201484	46.9201484	46.9151283	46.9151283	46.9151283	46.9151283	46.9151283	46.9151174
Analyte				-67.9252073	-67.9252073	-67.9252073	-67.9252073	-67.9252073	-67.9283688	-67.9283688	-67.9283688	-67.9283688	-67.9283688	-67.9283685
	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	34.1	1.5 J	1.2 J	3.6 U	4 U	3.7 U	3.6 U	0.78 J	1.8 U	3.6 U	3.7 U
Perfluoropentanoic acid (PFPeA)	-	-	-	2.7 J	1.7 J	1.5 J	1.2 J	2 U	2.2 J	1.8 J	1.6 J	1.2 J	1.6 J	1.5 J
Perfluorohexanoic acid (PFHxA)	990	-	-	3.8	1.5 J	1.2 J	1.1 J	0.82 J	1.3 J	1.5 J	1.2 J	1.1 J	1.4 J	1.3 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1 J	0.76 J	0.6 J	0.5 J	2 U	1.9 U	1.8 U	0.54 J	0.47 J	0.59 J	1.9 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.4 J	1.4 J	1.2 J	1.2 J	1.1 J	2.2 J	1.8 J	1.4 J	1.3 J	1.7 J	1.6 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	0.5 U	0.5 U	1.8 U	2 U	1.9 U	1.8 U	0.25 J	0.24 J	1.8 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1 U	1 U	1.8 U	2 UJ	1.9 U	1.8 U	1 U	0.9 U	1.8 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	0.5 U	0.5 U	1.8 U	2 U	1.9 U	1.8 U	0.5 U	0.45 U	1.8 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1 U	1 U	1.8 U	2 U	1.9 U	8.9 U	1 U	0.9 U	1.8 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1 U	1 U	1.8 U	2 U	1.9 U	8.9 U	1 U	0.9 U	1.8 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	8.9 U	0.5 U	0.5 U	1.8 U	2 U	1.9 U	1.8 U	0.5 U	0.45 U	1.8 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.1 J	0.77 J	0.66 J	0.59 J	2 U	1.9 U	1.8 U	0.44 U	0.22 J	1.8 U	1.9 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.8 U	0.73 J	0.67 J	3.6 U	4 U	1.9 U	1.8 U	0.47 U	0.22 J	3.6 U	1.9 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2.8 J	6	5.3	4.8	3.7 J	6.1	5.8	5.1	4.4	5.5	2.9 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	0.47 U	0.47 U	1.8 U	2 U	1.9 U	1.8 U	0.47 U	0.42 U	1.8 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.9 J	4.2	4.8	5	4.7	8.4	8.7	5.8	5.6	6.9	1.9 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	0.94 U	0.94 U	1.8 U	2 U	1.9 U	1.8 U	0.94 U	0.85 U	1.8 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	0.47 U	0.47 U	1.8 U	2 U	1.9 U	1.8 U	0.47 U	0.42 U	1.8 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.6 U	4 U	NA	NA	1 U	0.9 U	3.6 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.6 U	1.9 U	1.9 U	7.3 U	8 U	3.7 U	3.6 U	1.9 U	1.7 U	7.3 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	9.4	1.9 U	1.9 U	7.3 U	8 U	3.7 U	3.6 U	1.9 U	1.7 U	7.3 U	3.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.6 U	3.8 U	3.8 U	7.3 U	8 U	3.7 U	3.6 U	3.8 U	3.4 U	7.3 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	0.25 U	0.25 U	1.8 U	2 U	1.9 U	1.8 U	0.25 U	0.17 J	1.8 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	18 UJ	1 U	1 U	3.6 U	4 U	3.7 UJ	18 UJ	1 U	0.9 U	3.6 U	3.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.6 UJ	4 U	NA	NA	1 U	0.9 U	3.6 UJ	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	1 U	1 U	3.6 U	4 U	3.7 U	3.6 U	1 U	0.9 U	3.6 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	1 U	1 U	3.6 U	4 U	3.7 U	3.6 U	1 U	0.9 U	3.6 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	18 U	20 U	NA	NA	2.5 U	2.3 U	18 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	18 U	20 U	NA	NA	5 U	4.5 U	18 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	1.8 U	2 U	NA	NA	4 U	3.6 U	1.8 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.6 U	4 U	NA	NA	3.8 U	3.4 U	3.6 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.8 U	2 U	NA	NA	2 U	1.8 U	1.8 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	3.6 U	4 U	NA	NA	0.5 U	0.45 U	3.6 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	3.6 U	4 U	NA	NA	60 U	54 U	3.6 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	3.6 U	4 U	NA	NA	6.6 U	6 U	3.6 U	NA
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.6 U	3.6 U	4 U	NA	NA	6.6 U	6 U	3.6 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	1.8 U	2 U	NA	NA	3.1 U	2.8 U	1.8 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	9.1 U	10 U	NA	NA	8.8 U	7.9 UJ	9.1 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	18 U	20 U	NA	NA	31 U	28 U	18 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	18 U	20 U	NA	NA	31 U	28 U	18 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	7.1	12.36	11.9	11.5	9.5	16.7	16.3	13.09	12.01	14.69	4.5

Notes

See Table 1-1 for notes and Table 1-3 for information about screening levels.

* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				Greenlaw Brook Drainage										
Location ID:				EBGB_OW002				JBW7105				JBW7107		
Sample ID:				LORNG_EBGB_OW00	LORNG_EBGB_OW00	LORNG_EBGB_OW00	LORNG_EBGB_OW00	LORNG_JBW7105_0	LORNG_JBW7105_0	LORNG_JBW7105_1	LORNG_JBW7105_0	LORNG_JBW7105_0	LORNG_JBW7107_0	LORNG_JBW7107_1
Sample Date:				2_09302022	2_05162023	2_10122023	2_05032024	6152023	6152023FD	0122023	5022024	9202024	6132023	0122023
Sample Depth (ft bgs):				45-55	45-55	45-55	45-55	55-67	55-67	55-67	55-67	55-67	46-50	46-50
Sample Type:				N	N	N	N	N	FD	N	N	N	N	N
Latitude:				46.9151174	46.9151174	46.9151174	46.9151174	46.9201119	46.9201119	46.9201119	46.9201119	46.9201119	46.9210854	46.9210854
Longitude:				-67.9283685	-67.9283685	-67.9283685	-67.9283685	-67.9119607	-67.9119607	-67.9119607	-67.9119607	-67.9119607	-67.9103742	-67.9103742
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.6 U	0.81 J	0.62 J	3.8 U	1.3 J	1.3 J	1.5 J	3.6 U	3.8 U	1.1 J	0.68 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.5 J	1.2 J	1.1 J	1.9 U	3.1 J	3.2 J	3.5	3.1 J	2.1 J	2.5 J	0.94 J
Perfluorohexanoic acid (PFHxA)	990	-	-	1.3 J	1.2 J	1.1 J	0.75 J	2	1.8	2.3	1.9 J	1.4 J	1.5 J	0.64 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.8 U	0.57 J	0.47 J	1.9 U	0.73 J	0.77 J	0.75 J	0.72 J	0.49 J	0.58 J	0.29 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.6 J	1.4 J	1.2 J	1.1 J	0.88 J	0.84 J	0.9 J	0.79 J	0.61 J	0.79 J	0.44 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	0.5 U	0.5 U	1.9 U	0.5 U	0.5 U	0.5 U	1.8 U	1.9 U	0.5 UJ	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1 U	1 U	1.9 U	1 U	1 U	1 U	1.8 U	1.9 U	1 UJ	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	0.5 U	0.5 U	1.9 U	0.5 U	0.5 U	0.5 U	1.8 U	1.9 U	0.5 UJ	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1 U	1 U	1.9 U	1 U	1 U	1 U	1.8 U	1.9 U	1 UJ	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1 U	1 U	1.9 U	1 U	1 U	1 U	1.8 U	1.9 U	1 UJ	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	0.5 U	0.5 U	1.9 U	0.5 U	0.5 U	0.5 U	1.8 U	1.9 U	0.5 UJ	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.8 U	0.41 J	0.26 J	1.9 U	0.81 J	0.8 J	0.96 J	0.68 J	0.72 J	0.69 J	0.54 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.8 U	0.3 J	0.27 J	3.8 U	0.48 J	0.5 J	0.58 J	3.6 U	3.8 U	0.41 J	0.32 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2.9 J	3.2	2.7	2.2 J	2.3	2.2	2.5	2.6 J	1.8 J	2.4 J	1.6
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	0.47 U	0.47 U	1.9 U	0.47 U	0.47 U	0.47 U	1.8 U	1.9 U	0.47 UJ	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.8 U	0.58 J	0.47 U	1.9 U	0.99 J	1.1 J	1.1 J	0.87 J	0.74 J	1.3 UJ	0.84 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	0.94 U	0.94 U	1.9 U	0.94 U	0.94 U	0.94 U	1.8 U	1.9 U	0.94 UJ	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	0.47 U	0.47 U	1.9 U	0.47 U	0.47 U	0.47 U	1.8 U	1.9 U	0.47 UJ	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.8 U	1 U	1 U	1 U	3.6 U	3.8 U	1 UJ	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.6 U	1.9 U	1.9 U	7.5 U	1.9 U	1.9 U	1.9 U	7.3 U	7.7 U	1.9 UJ	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.6 U	1.9 U	1.9 U	7.5 U	1.9 U	1.9 U	1.9 U	7.3 U	7.7 U	1.9 UJ	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.6 U	3.8 U	3.8 U	7.5 U	3.8 U	3.8 U	3.8 U	7.3 U	7.7 U	3.8 UJ	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	0.25 U	0.25 U	1.9 U	0.25 U	0.25 U	0.25 U	1.8 U	1.9 U	0.41 J	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	1 U	1 U	3.8 U	1 U	1 U	1 U	3.6 U	3.8 U	1 UJ	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.8 UJ	1 U	1 U	1 U	3.6 UJ	3.8 U	1 UJ	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	1 U	1 U	3.8 U	1 U	1 U	1 U	3.6 U	3.8 U	1 UJ	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	1 U	1 U	3.8 U	1 U	1 U	1 U	3.6 U	3.8 U	1 UJ	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	19 U	2.5 U	2.5 U	2.5 U	18 U	19 U	2.5 UJ	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	19 U	5 U	5 U	5 U	18 U	19 U	5 UJ	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	1.9 U	4 U	4 U	4 U	1.8 U	1.9 U	4 UJ	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.6 U	3.8 U	3.8 UJ	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.9 U	2 U	2 U	2 U	1.8 U	1.9 U	2 UJ	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	3.8 U	0.5 U	0.5 U	0.5 U	3.6 U	3.8 U	0.5 UJ	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	3.8 U	60 U	60 U	60 U	3.6 U	3.8 U	60 UJ	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	3.8 U	6.6 U	6.6 U	6.6 U	3.6 U	3.8 U	6.6 UJ	6.6 U
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	NA	6.6 U	6.6 U	3.8 U	6.6 U	6.6 U	6.6 U	3.6 U	3.8 U	6.6 UJ	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	1.9 U	3.1 U	3.1 U	3.1 U	1.8 U	1.9 U	3.1 UJ	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	9.4 U	8.8 U	8.8 U	8.8 U	9.1 U	9.6 U	8.8 UJ	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	19 U	31 U	31 U	31 U	18 U	19 U	31 UJ	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	19 U	31 U	31 U	31 U	18 U	19 U	31 UJ	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	4.5	5.75	4.37	3.3	4.9	4.91	5.25	4.98	3.64	3.77	3.17

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				Greenlaw Brook Drainage										
Location ID:				JBW7107		JBW7326A						JBW7326B		
Sample ID:				LORNG_JBW7107_0	LORNG_JBW7107_0	LORNG_JBW7326A_	LORNG_JBW7326A_	LORNG_JBW7326A_	LORNG_JBW7326A_	LORNG_JBW7326A_	LORNG_JBW7326A_	LORNG_JBW7326B_	LORNG_JBW7326B_	LORNG_JBW7326B_
Sample Date:				5022024	9202024	05102022	09132022	05162023	10182023	05142024	10082024	05102022	09132022	05162023
Sample Depth (ft bgs):				46-50	46-50	83-93	83-93	83-93	83-93	83-93	83-93	37-47	37-47	37-47
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9210854	46.9210854	46.92862285	46.92862285	46.92862285	46.92862285	46.92862285	46.92862285	46.92862283	46.92862283	46.92862283
Longitude:				-67.9103742	-67.9103742	-67.89865802	-67.89865802	-67.89865802	-67.89865802	-67.89865802	-67.89865802	-67.89865401	-67.89865401	-67.89865401
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.7 U	3.9 U	4.7 J	5.7 J	5.6 J	5.2 J	5.2 J	5.4 J	4.3 J	5.1 J	4.9 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.9 U	2 U	7.3	10.5	10	9.8 J	8.5	8.6	6.5	8.3	7.7
Perfluorohexanoic acid (PFHxA)	990	-	-	0.6 J	2 U	6	8.4	7.4	7.5 J	7.2	7.1	5.5	6.4	6.1
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.9 U	2 U	3.5 J	4.9	4.6	4.5 J	4.4	4.1	3.2 J	4.2	3.6
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.93 U	0.98 U	4.5	6.3	6	5.6 J	5.4	5.6	4.5 J	6	5.2
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	2 U	1 U	1.9 U	0.5 J	0.51 J	1.9 U	0.46 J	1 U	1.9 U	0.43 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	2 U	1 U	1.9 U	1 U	1 UJ	1.9 U	0.86 U	1 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	2 U	1 U	1.9 U	0.5 U	0.5 UJ	1.9 U	1.3 U	1 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	2 U	1 U	1.9 U	1 U	1 UJ	1.9 U	0.86 U	1 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	2 U	1 U	1.9 U	1 U	1 UJ	1.9 U	1.3 U	1 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	2 U	1 U	1.9 U	0.5 U	0.5 UJ	1.9 U	0.86 U	1 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.61 J	2 U	1.7 J	2 J	2.3	2 J	2.3 J	2.2	1.8 J	2 J	2.2
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.7 U	3.9 U	2.7 J	2.9 J	2.9	2.6 J	2.9 J	2.7	2.5 J	2.7 J	2.7
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2.4 J	1.5 J	24.4	30.4	32	30 J	33	33	23.2	29.4	30
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	2 U	1 U	1 J	0.61 J	0.43 J	1.2 J	0.7 J	1 U	1.9 U	0.58 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.81 J	0.89 J	22.5	29.9	29	29 J	28.3	32	23.5	28.1	25
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	2 U	1 U	1.9 U	0.94 U	0.94 UJ	1.9 U	1.2 U	1 U	1.9 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	2 U	1 U	1.9 U	0.47 U	0.47 UJ	1.9 U	1.2 U	1 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.7 U	3.9 U	NA	NA	1 U	1 UJ	3.7 U	0.86 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.4 U	7.8 U	2 U	3.7 U	1.9 U	1.9 UJ	7.4 U	3.2 U	2 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.4 U	7.8 U	2 U	3.7 U	1.9 U	2.3 J	7.4 U	3.3 U	2 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.4 U	7.8 U	2 U	3.7 U	3.8 U	3.8 UJ	7.4 U	4.8 U	2 U	3.7 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	2 U	1 U	1.9 U	0.25 U	0.18 J	1.9 U	0.79 J	1 U	1.9 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	3.9 U	2 U	3.7 U	1 U	1 UJ	3.7 U	1.3 U	10 UJ	3.7 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.7 UJ	3.9 U	NA	NA	1 U	1 UJ	3.7 UJ	1.3 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	3.9 U	2 U	3.7 U	1 U	1 UJ	3.7 U	1.3 U	2 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	3.9 U	2 U	3.7 U	1 U	1 UJ	3.7 U	0.86 U	2 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	20 U	NA	NA	2.5 U	1.2 J	19 U	8.6 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	20 U	NA	NA	5 U	5 UJ	19 U	8.6 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	2 U	NA	NA	4 U	4 UJ	1.9 U	3.4 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.7 U	3.9 U	NA	NA	3.8 U	3.8 UJ	3.7 U	3.2 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	2 U	NA	NA	2 U	2 UJ	1.9 U	2.9 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.7 U	3.9 U	NA	NA	0.5 U	0.5 UJ	3.7 U	1.3 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.7 U	3.9 U	NA	NA	60 U	60 UJ	3.7 U	25 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.7 U	3.9 U	NA	NA	6.6 U	6.6 UJ	3.7 U	3.2 U	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.7 U	3.9 U	NA	NA	6.6 U	6.6 UJ	3.7 U	2.3 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	2 U	NA	NA	3.1 U	3.1 UJ	1.9 U	2.1 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.3 U	9.8 U	NA	NA	8.8 U	8.8 UJ	9.3 U	6.2 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	20 U	NA	NA	31 U	31 UJ	19 U	31 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	20 U	NA	NA	31 U	31 UJ	19 U	31 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	3.21	2.39	54.9	71.5	72.1	69.61	71.1	75.16	54.4	67.7	64.23

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				Greenlaw Brook Drainage										
Location ID:				JBW7326B			JMW7322					MMW0006		
Sample ID:				LORNG_JBW7326B_	LORNG_JBW7326B_	LORNG_JBW7326B_	LORNG_JMW7322_0	LORNG_JMW7322_0	LORNG_JMW7322_0	LORNG_JMW7322_1	LORNG_JMW7322_0	LORNG_JMW7322_1	LORNG_MMW0006_	LORNG_MMW0006_
Sample Date:				10182023	05142024	10082024	5172022	9132022	6052023	0172023	5172024	0022024	05172022	05172022FD
Sample Depth (ft bgs):				10/18/2023	5/14/2024	10/8/2024	5/17/2022	9/13/2022	6/5/2023	10/17/2023	5/17/2024	10/2/2024	5/17/2022	5/17/2022
Sample Type:				37-47	37-47	37-47	7-17	7-17	7-17	7-17	7-17	7-17	32-42	32-42
Latitude:				N	N	N	N	N	N	N	N	N	N	FD
Longitude:				46.92862283	46.92862283	46.92862283	46.9306778	46.9306778	46.9306778	46.9306778	46.9306778	46.9306778	46.93950481	46.93950481
Analyte				-67.89865401	-67.89865401	-67.89865401	-67.900346	-67.900346	-67.900346	-67.900346	-67.900346	-67.900346	-67.911163	-67.911163
USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4.2 J	5 J	5.2 J	3 J	8.4	5.6 J	12	8.7 J	4.3 J	2 U	2 U
Perfluoropentanoic acid (PFPeA)	-	-	-	6.6 J	7.4	7.1	4.1	16.2	8.9	22	23.3	9.2	1.4 J	1.5 J
Perfluorohexanoic acid (PFHxA)	990	-	-	5.2 J	5.9	6	2.9 J	11.4	10	19	13.1	14.9	1 U	1 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	3.2 J	4	3.5	1.7 J	5.5	4.7	9	6.2	5.4	1 U	1 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5 J	5.3	5.7	4.2	8.2	8.7	15	9.1	19.7	1 U	1 U
Perfluorononanoic acid (PFNA)	5.9	10	-	0.38 J	0.63 J	0.4 J	1 U	1.9 U	0.66 J	1 J	0.98 J	0.65 J	1 U	1 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 UJ	1.9 U	0.83 U	1 U	1.9 U	1 U	0.91 U	2.2 U	1.8 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 UJ	1.9 U	1.2 U	1 U	1.9 U	0.5 U	0.45 U	2.2 U	1.8 U	1 U	1 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 UJ	1.9 U	0.83 U	1 U	1.9 U	1 U	0.91 U	2.2 U	1.8 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 UJ	1.9 U	1.2 U	1 U	1.9 U	1 U	0.91 U	2.2 U	1.8 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 UJ	1.9 U	0.83 U	1 U	1.9 U	0.5 U	0.45 U	2.2 U	1.8 U	1 U	1 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.1 J	2.3 J	2	1.1 J	3.2 J	2.6	4.7	3.3 J	4.1	1 U	1 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2.3 J	3.2 J	2.7	1.3 J	3.9	2.5	4.6	4 J	5	1 U	1 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	29 J	34	34	19	50	24	43	30.3	93.4	2.3 J	1.7 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.43 J	1 J	0.61 J	1 U	1.9 U	0.39 J	0.7 J	0.7 J	1.9 J	1 U	1 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	29 J	26	27	15.5	27.4	19	32	19.6	46.9	2.3 J	2.2 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 UJ	1.9 U	1.1 U	1 U	1.9 U	0.94 U	0.85 U	2.2 U	1.8 U	1 U	1 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 UJ	1.9 U	1.1 U	1 U	1.9 U	0.47 U	0.43 U	2.2 U	1.8 U	1 U	1 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 UJ	3.7 U	0.83 U	NA	NA	1 U	0.91 U	4.3 U	3.6 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 UJ	7.4 U	3.1 U	2 U	3.7 U	1.9 U	1.7 U	8.6 U	7.3 U	2 U	2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 UJ	7.4 U	3.2 U	2 U	3.7 U	1.9 U	1.7 U	8.6 U	7.3 U	2 U	2 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 UJ	7.4 U	4.6 U	2 U	3.7 U	3.8 U	3.5 U	8.6 U	7.3 U	2 U	2 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.3 J	1.9 U	0.6 U	1 U	1.9 U	0.25 U	0.32 J	2.2 U	1.8 U	1 U	1 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 UJ	3.7 U	1.2 U	2 U	3.7 U	1 U	0.91 U	4.3 UJ	3.6 U	2 UJ	10 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 UJ	3.7 UJ	1.2 U	NA	NA	1 U	0.91 U	4.3 U	3.6 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 UJ	3.7 U	1.2 U	2 U	3.7 U	1 U	0.91 U	4.3 U	3.6 U	2 U	2 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 UJ	3.7 U	0.83 U	2 U	3.7 U	1 U	0.91 U	4.3 U	3.6 U	2 U	2 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 UJ	19 U	8.3 U	NA	NA	2.5 U	2.3 U	22 UJ	18 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 UJ	19 U	8.3 U	NA	NA	5 U	4.5 U	22 UJ	18 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 UJ	1.9 U	3.3 U	NA	NA	4 U	3.6 U	2.2 U	1.8 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 UJ	3.7 U	3.1 U	NA	NA	3.8 U	3.5 U	4.3 U	3.6 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 UJ	1.9 U	2.8 U	NA	NA	2 U	1.8 U	2.2 U	1.8 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 UJ	3.7 U	1.2 U	NA	NA	0.5 U	0.45 U	4.3 U	3.6 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 UJ	3.7 U	25 U	NA	NA	60 U	55 U	4.3 U	3.6 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 UJ	3.7 U	3.1 U	NA	NA	6.6 U	6 U	4.3 U	3.6 U	NA	NA
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUDS)	-	-	-	6.6 UJ	3.7 U	2.3 U	NA	NA	6.6 U	6 U	4.3 U	3.6 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 UJ	1.9 U	2.1 U	NA	NA	3.1 U	2.8 U	2.2 U	1.8 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 UJ	9.3 U	6 U	NA	NA	8.8 U	8 U	11 U	9.1 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 UJ	19 U	30 U	NA	NA	31 U	28 U	22 U	18 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 UJ	19 U	30 U	NA	NA	31 U	28 U	22 U	18 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	66.58	69.93	70.6	40.4	91.1	57.06	100	66.18	166.05	4.6	3.9

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				Greenlaw Brook Drainage										
Location ID:				MMW0006					MMW0007A					
Sample ID:				LORNG_MMW0006_	LORNG_MMW0006_	LORNG_MMW0006_	LORNG_MMW0006_	LORNG_MMW0006_	LORNG-MMW0007A-	LORNG_MMW0007A	LORNG_MMW0007A	LORNG_MMW0007A	LORNG_MMW0007A	LORNG_MMW0007A
Sample Date:				09202022	06072023	10092023	05062024	09232024	MMW0007A-	05092022	09082022	05242023	05242023FD	10122023
Sample Depth (ft bgs):				32-42	32-42	32-42	32-42	32-42	132-142	132-142	132-142	132-142	132-142	132-142
Sample Type:				N	N	N	N	N	N	N	N	N	FD	N
Latitude:				46.93950481	46.93950481	46.93950481	46.93950481	46.93950481	46.92160706	46.92160706	46.92160706	46.92160706	46.92160706	46.92160706
Longitude:				-67.911163	-67.911163	-67.911163	-67.911163	-67.911163	-67.90687769	-67.90687769	-67.90687769	-67.90687769	-67.90687769	-67.90687769
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.2 J	0.57 J	2.8 J	3.6 U	4.8 J	2.28 J	2.9 J	3.8 U	2.7 J	2.8 J	2.8 J
Perfluoropentanoic acid (PFPeA)	-	-	-	7.6	0.58 J	2.3 J	1.8 U	7.2 J	5.3	6.5	3.9	5.6	5.7	5.8
Perfluorohexanoic acid (PFHxA)	990	-	-	2.5 J	0.32 J	1.8	1.8 U	1.9 J	4.82	4.9	2.9 J	4.5	4.6	4.9
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.1 J	0.23 J	0.88 J	0.71 J	0.55 J	2.27 J	2.3 J	1.4 J	2.2	2.2	2.3
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.5 J	0.5 J	1.3 J	1.4 J	1.2 J	10.3 J	2.8 J	1.6 J	2.4	2.6	2.6
Perfluorononanoic acid (PFNA)	5.9	10	-	1.6 J	0.21 J	0.39 J	1.8 U	0.85 J	2.04 U	1 U	1.9 U	0.5 U	0.18 J	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1 U	1 U	1.8 U	2 U	2.04 U	1 U	1.9 U	1 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	0.5 U	0.5 U	1.8 U	2 U	2.04 U	1 U	1.9 U	0.5 U	0.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 UJ	1 U	1 U	1.8 U	2 U	2.04 U	1 U	1.9 U	1 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 UJ	1 U	1 U	1.8 U	2 U	2.04 U	1 U	1.9 U	1 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 UJ	0.5 U	0.5 U	1.8 U	2 U	2.04 U	1 U	1.9 U	0.5 U	0.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.2 J	0.36 J	0.99 J	1.8 U	0.7 J	2.04 U	1 U	1.9 U	0.86 J	0.95 J	0.97 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	2 U	0.47 U	0.5 J	3.6 U	4 U	1.92 J	1 U	1.9 U	0.71 J	0.8 J	0.77 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	3.5 J	1.1 J	3.3	1.9 J	2.3 J	5.09	6.9	4.1	7.4	7.9	8.3
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	0.47 U	0.47 U	1.8 U	2 U	2.04 U	1 U	1.9 U	0.47 U	0.47 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	11	1.9	3.3	2.6 J	3.8 J	5.72	7.6	5.5	7.4	7.5	7.6
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	0.94 U	0.94 U	1.8 U	2 U	2.04 U	1 U	1.9 U	0.94 U	0.94 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	0.47 U	0.47 U	1.8 U	2 U	2.04 U	1 U	1.9 U	0.47 U	0.47 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.6 U	4 U	NA	NA	NA	1 U	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4 U	1.9 UJ	1.9 U	7.3 U	8 U	2.04 U	2 U	3.8 U	1.9 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4 U	1.9 U	1.9 U	7.3 U	8 U	2.04 U	2 U	5.4 J	1.9 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4 U	3.8 U	3.8 U	7.3 U	8 U	2.04 U	2 U	3.8 U	3.8 U	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.7 U	0.25 U	0.25 U	1.8 U	2 U	63.3	1 U	1.9 U	0.25 U	0.25 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.4 UJ	1 U	1 U	3.6 U	4 U	10.2 U	2 U	0 R	1 U	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.6 UJ	4 U	NA	NA	NA	1 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	1 U	1 U	3.6 U	4 U	2.04 UJ	2 U	3.8 U	1 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	1 U	1 U	3.6 U	4 U	2.04 U	2 U	3.8 U	1 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	18 U	20 U	NA	NA	NA	2.5 U	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	18 U	20 U	NA	NA	NA	5 U	5 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	1.8 U	2 U	NA	NA	NA	4 U	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.6 U	4 U	NA	NA	NA	3.8 U	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.8 U	2 U	NA	NA	NA	2 U	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	3.6 U	4 U	NA	NA	NA	0.5 U	0.5 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	60 U	3.6 U	4 U	NA	NA	NA	60 U	60 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.6 U	3.6 U	4 U	NA	NA	NA	6.6 U	6.6 U	6.6 U
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.6 U	3.6 U	4 U	NA	NA	NA	6.6 U	6.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	1.8 U	2 U	NA	NA	NA	3.1 U	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.8 U	9.1 U	10 U	NA	NA	NA	8.8 U	8.8 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	18 U	20 U	NA	NA	NA	31 U	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	18 U	20 U	NA	NA	NA	31 U	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	19.7	3.94	9.17	6.61	8.7	23.38	19.6	12.6	19.4	20.38	20.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				Greenlaw Brook Drainage										
Location ID:				MMW0007A					MMW0007B					
Sample ID:				LORNG_MMW0007A	LORNG_MMW0007A	LORNG_MMW0007A	LORNG_MMW0007A	LORNG_MMW0007A	LORNG-MMW0007B-	LORNG_MMW0007B	LORNG_MMW0007B	LORNG_MMW0007B	LORNG_MMW0007B	LORNG_MMW0007B
Sample Date:				10122023FD	05082024	05082024FD	10092024	10092024FD	10/23/2021	05092022	09082022	05242023	10182023	05172024
Sample Depth (ft bgs):				10/12/2023	5/8/2024	5/8/2024	10/9/2024	10/9/2024	10/23/2021	5/9/2022	9/8/2022	5/24/2023	10/18/2023	5/17/2024
Sample Type:				132-142	132-142	132-142	132-142	132-142	47-57	47-57	47-57	47-57	47-57	47-57
Sample Type:				FD	N	FD	N	FD	N	N	N	N	N	N
Latitude:				46.92160706	46.92160706	46.92160706	46.92160706	46.92160706	46.92160704	46.92160704	46.92160704	46.92160704	46.92160704	46.92160704
Longitude:				-67.90687769	-67.90687769	-67.90687769	-67.90687769	-67.90687769	-67.90687369	-67.90687369	-67.90687369	-67.90687369	-67.90687369	-67.90687369
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.8 J	3.7 U	3.4 U	2.8 J	2.6 J	5.8	5 J	4.7 J	4.5 J	3.5 J	5.5 J
Perfluoropentanoic acid (PFPeA)	-	-	-	5.7	5.6 J	5.3 J	5.3	4.9	15.2	13.7	10.9	11	7.8 J	12.9
Perfluorohexanoic acid (PFHxA)	990	-	-	4.8	4.8	4.8	4.4	3.9	18.6	11.1	10.8	10	7.3 J	13.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.2	2.4 J	2.5 J	1.9	1.7	7.2	5.9	6.6	5.7	4.1 J	7.4
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.5	2.2 J	2.7 J	2	1.9	12.2	7.4	7.5	6.8	5.4 J	9.5
Perfluorononanoic acid (PFNA)	5.9	10	-	0.16 J	1.8 U	1.7 U	0.6 U	0.58 U	1.98 U	1 U	1.9 U	0.43 J	0.39 J	0.72 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.8 U	1.7 U	0.82 U	0.8 U	1.98 U	1 U	1.9 U	1 U	1 UJ	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	1.8 U	1.7 U	1.2 U	1.2 U	1.98 U	1 U	1.9 U	0.5 U	0.5 UJ	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.8 U	1.7 U	0.82 U	0.8 U	1.98 U	1 U	1.9 U	1 U	1 UJ	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.8 U	1.7 U	1.2 U	1.2 U	1.98 U	1 U	1.9 UJ	1 U	1 UJ	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	1.8 U	1.7 U	0.82 U	0.8 U	1.98 U	1 U	9.3 U	0.5 U	0.5 UJ	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.1 J	0.92 J	0.95 J	0.78 J	0.68 J	3.97	2.2 J	2.1 J	2	1.6 J	2.8 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.83 J	1 J	3.4 U	0.63 J	0.62 J	3.19 J	2.2 J	2.4 J	2.1	1.6 J	3.5 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	8.4	9.5	9	6.9	6.2	43.2	19.3	26.8	23	18 J	39
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	1.8 U	1.7 U	0.56 U	0.55 U	1.98 U	1 U	1.9 U	0.33 J	0.32 J	1.1 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	8.5	8.2	9.2	6.1	5.2	40.8	22.7	25.9	23	19 J	33.9
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	1.8 U	1.7 U	1.1 U	1.1 U	1.98 U	1 U	1.9 U	0.94 U	0.94 UJ	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	1.8 U	1.7 U	1.1 U	1.1 U	1.98 U	1 U	1.9 UJ	0.47 U	0.47 UJ	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	3.7 U	3.4 U	0.82 U	0.8 U	NA	NA	NA	1 U	1 UJ	4.1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	7.3 U	6.8 U	3.1 U	3 U	1.98 U	2 U	3.7 U	1.9 U	1.9 UJ	8.2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	7.3 U	6.8 U	3.2 U	3.1 U	1.98 U	2 U	3.7 U	1.9 U	1.9 UJ	8.2 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	7.3 U	6.8 U	4.6 U	4.5 U	1.98 U	2 U	3.7 U	3.8 U	3.8 UJ	8.2 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	1.8 U	1.7 U	0.4 J	0.42 J	2.07 J	1 U	1.9 U	0.25 U	0.86 J	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	3.7 U	3.4 U	1.2 U	1.2 U	9.92 U	2 U	19 UJ	1 U	1 UJ	4.1 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	3.7 U	3.4 U	1.2 U	1.2 U	NA	NA	NA	1 U	1 UJ	4.1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	3.7 U	3.4 U	1.2 U	1.2 U	0 R	2 U	3.7 U	1 U	1 UJ	4.1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	3.7 U	3.4 U	0.82 U	0.8 U	1.98 U	2 U	3.7 U	1 U	1 UJ	4.1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	18 U	17 U	8.2 U	8 U	NA	NA	NA	2.5 U	2.5 UJ	20 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	18 U	17 U	8.2 U	8 U	NA	NA	NA	5 U	5 UJ	20 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	1.8 U	1.7 U	3.3 U	3.2 U	NA	NA	NA	4 U	4 UJ	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.7 U	3.4 U	3.1 U	3 U	NA	NA	NA	3.8 U	3.8 UJ	4.1 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 U	1.7 U	2.8 U	2.7 U	NA	NA	NA	2 U	2 UJ	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	3.7 U	3.4 U	1.2 U	1.2 U	NA	NA	NA	0.5 U	0.5 UJ	4.1 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	3.7 U	3.4 U	24 U	24 U	NA	NA	NA	60 U	60 UJ	4.1 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	3.7 U	3.4 U	3.1 U	3 U	NA	NA	NA	6.6 U	6.6 UJ	4.1 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	3.7 U	3.4 U	2.2 U	2.2 U	NA	NA	NA	6.6 U	6.6 UJ	4.1 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	1.8 U	1.7 U	2 U	2 U	NA	NA	NA	3.1 U	3.1 UJ	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	9.2 U	8.5 U	6 U	5.8 U	NA	NA	NA	8.8 U	8.8 UJ	10 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	18 U	17 U	30 U	29 U	NA	NA	NA	31 U	31 UJ	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	18 U	17 U	30 U	29 U	NA	NA	NA	31 U	31 UJ	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	21.76	22.3	23.4	16.9	15	103.4	55.3	66.8	58.93	46.89	90.52

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				Greenlaw Brook Drainage										
Location ID:				MMW0007B	MMW0132							MMW0326		
Sample ID:				LORNG_MMW0007B	LORNG_MMW0132_	LORNG_MMW0132_	LORNG_MMW0132_	LORNG_MMW0132_	LORNG_MMW0132_	LORNG_MMW0132_	LORNG_MMW0132_	LORNG_MMW0326_	LORNG_MMW0326_	LORNG_MMW0326_
Sample Date:				10092024	05172022	05172022FD	09082022	06122023	10172023	05142024	10092024	05172022	09202022	06052023
Sample Depth (ft bgs):				47-57	20-30	20-30	20-30	20-30	20-30	20-30	20-30	48-58	48-58	48-58
Sample Type:				N	N	FD	N	N	N	N	N	N	N	N
Latitude:				46.92160704	46.92137069	46.92137069	46.92137069	46.92137069	46.92137069	46.92137069	46.92137069	46.93974905	46.93974905	46.93974905
Longitude:				-67.90687369	-67.90663817	-67.90663817	-67.90663817	-67.90663817	-67.90663817	-67.90663817	-67.90663817	-67.91178735	-67.91178735	-67.91178735
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	6.2	2.8 J	3.1 J	3.7 J	7 J	7.1	6.1 J	6	2.8 J	3.3 J	2 J
Perfluoropentanoic acid (PFPeA)	-	-	-	15	4.9	4.8	7.6	15 J	17	12.6	13	5.6	6	2.9 J
Perfluorohexanoic acid (PFHxA)	990	-	-	15	2.2 J	2 J	3.5 J	6.3 J	6.7	5.7	5.5	3.2 J	3.3 J	1.8
Perfluoroheptanoic acid (PFHpA)	-	-	-	8.4	1 U	1 U	1.9 U	2.9 J	6	1.2 J	0.93 J	1.3 J	1.3 J	0.73 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	9.5	1 U	1 U	1.9 U	1.5 J	2.7	1.2 J	1.1 J	2.3 J	2.3 J	1.4 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.71 J	1 U	1 U	1.9 U	1.3 J	3.2	2.2 U	0.6 U	1 U	2 U	0.3 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.81 U	1 U	1 U	1.9 U	1 UJ	0.34 J	2.2 U	0.83 U	1 U	2 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.2 U	1 U	1 U	1.9 U	0.5 UJ	0.16 J	2.2 U	1.2 U	1 U	2 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.81 U	1 U	1 U	1.9 U	1 UJ	0.92 U	2.2 U	0.83 U	1 U	2 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.2 U	1 U	1 U	1.9 U	1 UJ	0.92 U	2.2 U	1.2 U	1 U	2 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.81 U	1 U	1 U	1.9 U	0.5 UJ	0.46 U	2.2 U	0.83 U	1 U	2 UJ	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2.9	1 U	1 U	1.9 U	0.48 J	0.38 J	0.54 J	0.44 J	1 U	2 U	0.65 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.2	1 U	1 U	1.9 U	0.47 UJ	0.43 U	4.3 U	0.56 U	1 U	2 U	0.28 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	39	1 U	1 U	1.9 U	0.63 J	0.43 U	2.2 U	0.35 J	2.5 J	2.5 J	1.8
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.76 J	1 U	1 U	1.9 U	0.47 UJ	0.43 U	2.2 U	0.56 U	1 U	2 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	41	1 U	1 U	2.4 J	26 J	1.5	2.2 U	1.1 J	5.1	4.5	3
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.1 U	1 U	1 U	1.9 U	0.94 UJ	0.87 U	2.2 U	1.1 U	1 U	2 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.1 U	1 U	1 U	1.9 U	0.47 UJ	0.43 U	2.2 U	1.1 U	1 U	2 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.81 U	NA	NA	NA	1 UJ	0.92 U	4.3 U	0.83 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3 U	2 U	2 U	3.8 U	1.9 UJ	1.8 U	8.7 U	3.1 U	2 U	4 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.1 U	2 U	2 U	4 J	3.7 J	1.8 U	8.7 U	3.2 U	2 U	4 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4.5 U	2 U	2 U	3.8 U	3.8 UJ	3.5 U	8.7 U	4.6 U	2 U	4 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.58 J	1 U	1 U	1.9 U	1.4 J	1.6	2.2 U	1.3 J	1 U	2 U	0.13 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1.2 U	10 UJ	10 UJ	19 UJ	1 UJ	0.92 U	4.3 U	1.2 U	10 U	0 R	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1.2 U	NA	NA	NA	1 UJ	0.92 U	4.3 UJ	1.2 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.2 U	2 U	2 U	3.8 U	1 UJ	0.92 U	4.3 U	1.2 U	2 U	4 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.81 U	2 U	2 U	3.8 U	1 UJ	0.92 U	4.3 U	0.83 U	2 U	4 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	8.1 U	NA	NA	NA	2.5 UJ	2.3 U	22 U	8.3 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	8.1 U	NA	NA	NA	5 UJ	2.1 J	22 U	8.3 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.2 U	NA	NA	NA	4 UJ	3.7 U	2.2 U	3.3 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3 U	NA	NA	NA	3.8 UJ	3.5 U	4.3 U	3.1 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2.8 U	NA	NA	NA	2 UJ	1.8 U	2.2 U	2.8 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	1.2 U	NA	NA	NA	0.5 UJ	0.46 U	4.3 U	1.2 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	24 U	NA	NA	NA	60 UJ	55 U	4.3 U	24 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3 U	NA	NA	NA	6.6 UJ	6.1 U	4.3 U	3.1 U	NA	NA	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	2.2 U	NA	NA	NA	6.6 UJ	6.1 U	4.3 U	2.3 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	NA	NA	NA	3.1 UJ	2.9 U	2.2 U	2.1 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	5.9 U	NA	NA	NA	8.8 UJ	8.1 U	11 U	6 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	29 U	NA	NA	NA	31 UJ	29 U	22 U	30 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	29 U	NA	NA	NA	31 UJ	29 U	22 U	30 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	98.61	6 U	6 U	2.4	32.33	13.74	2.4	3.48	11.2	10.6	7.23

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				Greenlaw Brook Drainage										
Location ID:				MMW0326			UNK-034							
Sample ID:				LORNG_MMW0326_10102023	LORNG_MMW0326_05062024	LORNG_MMW0326_09252024	LORNG_UNK-034_180_06062023	LORNG_UNK-034_80_06062023	LORNG_UNK-034_280_06072023	LORNG_UNK-034_80_11022023	LORNG_UNK-034_180_11022023	LORNG_UNK-034_280_11022023	LORNG_UNK-034_180_06112024	LORNG_UNK-034_280_06112024
Sample Date:				10/10/2023	5/6/2024	9/25/2024	6/6/2023	6/6/2023	6/7/2023	11/2/2023	11/2/2023	11/2/2023	6/11/2024	6/11/2024
Sample Depth (ft bgs):				48-58	48-58	48-58	UNK-282	UNK-282	UNK-282	UNK-282	UNK-282	UNK-282	UNK-282	UNK-282
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.93974905	46.93974905	46.93974905	46.93616458	46.93616458	46.93616458	46.93616458	46.93616458	46.93616458	46.93616458	46.93616458
Longitude:				-67.91178735	-67.91178735	-67.91178735	-67.91768618	-67.91768618	-67.91768618	-67.91768618	-67.91768618	-67.91768618	-67.91768618	-67.91768618
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.2 J	2.3 J	4.9 J	0.64 J	0.84 J	0.65 J	1 J	0.52 J	0.54 J	4.4 U	4.1 U
Perfluoropentanoic acid (PFPeA)	-	-	-	3.8	3.2 J	5.5 J	0.85 J	1.1 J	0.93 J	0.95 J	0.68 J	0.68 J	2.2 U	2 U
Perfluorohexanoic acid (PFHxA)	990	-	-	2.3	1.7 J	2.7 J	0.9 J	1.3 J	0.95 J	1.4 J	0.71 J	0.74 J	0.71 J	0.63 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.88 J	0.76 J	1 J	0.34 J	0.48 J	0.36 J	0.48 J	0.19 J	0.21 J	2.2 U	2 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.3 J	1.2 J	1.2 J	0.54 J	1.1 J	0.56 J	0.91 J	0.39 J	0.44 J	1.1 U	1 U
Perfluorononanoic acid (PFNA)	5.9	10	-	0.26 J	1.8 U	1.8 U	0.5 U	0.5 U	0.5 U	0.45 U	0.47 U	0.48 U	2.2 U	2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.8 U	1.8 U	1 U	1 U	1 U	0.9 U	0.95 U	0.95 U	2.2 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	1.8 U	1.8 U	0.5 U	0.5 U	0.5 U	0.45 U	0.47 U	0.48 U	2.2 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.8 U	1.8 U	1 U	1 U	1 U	0.9 U	0.95 U	0.95 U	2.2 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.8 U	1.8 U	1 U	1 U	1 U	0.9 U	0.95 U	0.95 U	2.2 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	1.8 U	1.8 U	0.5 U	0.5 U	0.5 U	0.45 U	0.47 U	0.48 U	2.2 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.62 J	0.67 J	0.76 J	0.44 J	0.82 J	0.43 J	0.73 J	0.37 J	0.43 J	2.2 U	2 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.25 J	3.6 U	3.6 U	0.33 J	0.71 J	0.38 J	0.68 J	0.24 J	0.3 J	4.4 U	4.1 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1.9	2.1 J	1.9 J	1.8	4.3	1.9	4.2	1.3 J	1.4 J	1.6 J	1.6 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	1.8 U	1.8 U	0.47 U	0.47 U	0.47 U	0.24 J	0.45 U	0.45 U	2.2 U	2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	3.1	2.9 J	2.7 J	2.9 J*	7.1	2.7	9.6	2.1	2.1	1.9 J	2.9 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	1.8 U	1.8 U	0.94 U	0.94 U	0.94 U	0.85 U	0.89 U	0.9 U	2.2 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	1.8 U	1.8 U	0.47 U	0.47 U	0.47 U	0.43 U	0.45 U	0.45 U	2.2 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	3.6 U	3.6 U	1 U	1 U	1 U	0.9 U	0.95 U	0.95 U	4.4 U	4.1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	7.3 U	7.2 U	1.9 U	1.9 U	1.9 U	1.7 U	1.8 U	1.8 U	8.9 U	8.2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	7.3 U	7.2 U	1.9 U	2 J	1.9 U	25	1.8 U	1.8 U	8.9 U	8.2 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	7.3 U	7.2 U	3.8 U	3.8 U	3.8 U	3.4 U	3.6 U	3.6 U	8.9 U	8.2 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	1.8 U	1.8 U	0.25 U	0.25 U	0.25 U	0.23 U	0.24 U	0.24 U	2.2 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	3.6 U	3.6 U	1 U	1 U	1 U	0.9 U	0.95 U	0.95 U	4.4 U	4.1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	3.6 U	3.6 U	1 U	1 U	1 U	0.9 U	0.95 U	0.95 U	4.4 U	4.1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	3.6 U	3.6 U	1 U	1 U	1 U	0.9 U	0.95 U	0.95 U	4.4 U	4.1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	3.6 U	3.6 U	1 U	1 U	1 U	0.9 U	0.95 U	0.95 U	4.4 U	4.1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	18 U	18 U	2.5 U	2.5 U	2.5 U	2.3 U	2.4 U	2.4 U	22 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	18 U	18 U	5 U	5 U	5 U	4.5 U	4.7 U	4.8 U	22 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	1.8 U	1.8 U	4 U	4 U	4 U	3.6 U	3.8 U	3.8 U	2.2 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.6 U	3.6 U	3.8 U	3.8 U	3.8 U	3.4 U	3.6 U	3.6 U	4.4 U	4.1 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 U	1.8 U	2 U	2 U	2 U	1.8 U	1.9 U	1.9 U	2.2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	3.6 U	3.6 U	0.5 U	0.5 U	0.5 U	0.45 U	0.47 U	0.48 U	4.4 U	4.1 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	3.6 U	3.6 U	60 U	60 U	60 U	54 U	57 U	57 U	4.4 U	4.1 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	3.6 U	3.6 U	6.6 U	6.6 U	6.6 U	6 U	6.3 U	6.3 U	4.4 U	4.1 U
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	3.6 U	3.6 U	6.6 U	6.6 U	6.6 U	6 U	6.3 U	6.3 U	4.4 U	4.1 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	1.8 U	1.8 U	3.1 U	3.1 U	3.1 U	2.8 U	2.9 U	3 U	2.2 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	9.1 U	9 U	8.8 U	8.8 U	8.8 U	8 U	8.3 U	8.4 U	11 U	10 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	18 U	18 U	31 U	31 U	31 U	28 U	29 U	30 U	22 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	18 U	18 U	31 U	31 U	31 U	28 U	29 U	30 U	22 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	7.44	6.96	6.8	5.58	12.98	5.52	15.19	3.98	4.15	3.5	4.5

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4										
Area:				Greenlaw Brook Drainage										
Location ID:				UNK-034		UNK-042				UNK-TC01			WBGB_BW001	
Sample ID:				LORNG_UNK-034_80_06112024	LORNG_UNK-034_80_10082024	LORNG_UNK-042_06092023	LORNG_UNK-042_10242023	LORNG_UNK-042_05202024	LORNG_UNK-042_10022024	LORNG_UNK-TC01_11022023	LORNG_UNK-TC01_06032024	LORNG_UNK-TC01_10102024	LORNG_WBGB_BW01_01_08082022	LORNG_WBGB_BW01_01_08082022FD
Sample Date:				6/11/2024	10/8/2024	6/9/2023	10/24/2023	5/20/2024	10/2/2024	11/2/2023	6/3/2024	10/10/2024	8/8/2022	8/8/2022
Sample Depth (ft bgs):				UNK-282	UNK-282	54-64	54-64	54-64	54-64	35-45	35-45	35-45	80-90	80-90
Sample Type:				N	N	N	N	N	N	N	N	N	N	FD
Latitude:				46.93616458	46.93616458	46.92959957	46.92959957	46.92959957	46.92959957	46.93325646	46.93325646	46.93325646	46.9364028	46.9364028
Longitude:				-67.91768618	-67.91768618	-67.9016252	-67.9016252	-67.9016252	-67.9016252	-67.8848393	-67.8848393	-67.8848393	-67.9176258	-67.9176258
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4 U	3.4 U	7.1	7.6 J	6.5 J	8.7 J	4.1 J	6.7 J	5.3 J	3.7 U	3.7 U
Perfluoropentanoic acid (PFPeA)	-	-	-	2 U	1 J	21	23 J	19.9	24.3	2.4 J	6.1 J	2.3 J	1.9 J	1.9 J
Perfluorohexanoic acid (PFHxA)	990	-	-	0.81 J	1.4 J	19	21 J	18	21.5	1.9	6.2	2.3 J	2.1 J	2.1 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	2 U	0.56 J	8.9	9.5 J	8.6	9.6	1.3 J	4.2	2.3 J	1.9 U	1.9 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.89 J	1.4 J	14	17 J	15.2	16.2	1 J	2.5 J	2.1 J	1.2 J	1.2 J
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	0.62 U	0.94 J	0.93 J	0.94 J	1 J	0.27 J	1.8 U	0.86 J	1.9 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	0.85 U	1 U	0.9 UJ	1.9 U	1.9 U	0.91 U	1.8 U	2 UJ	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	1.3 U	0.5 U	0.45 UJ	1.9 U	1.9 U	0.45 U	1.8 U	2 U	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	0.85 U	1 U	0.9 UJ	1.9 U	1.9 U	0.91 U	1.8 U	2 U	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	1.3 U	1 U	0.9 UJ	1.9 U	1.9 U	0.91 U	1.8 U	2 U	1.9 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	0.85 U	0.5 U	0.45 UJ	1.9 U	1.9 U	0.45 U	1.8 U	2 U	1.9 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.58 J	0.77 J	3.7	4 J	3.4 J	4.6	0.77 J	0.72 J	1.2 J	1 J	1.1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4 U	0.78 J	4.9	4.7 J	4.6 J	6.2	1.1 J	1 J	1.7 J	1.1 J	1.1 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2.5 J	4.8	70	74 J	67.5	72.1	12	11.2	16.3	4.6	4.7
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	0.58 U	1.1 J	1 J	1.8 J	1.9 J	0.24 J	1.8 U	2 U	1.9 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	4.6	9	57	62 J	52.5	56.8	13	19.3	23.8	3.5 J	3.9
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	1.2 U	0.94 U	0.84 UJ	1.9 U	1.9 U	0.85 U	1.8 U	2 U	1.9 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	1.2 U	0.47 U	0.42 UJ	1.9 U	1.9 U	0.43 U	1.8 U	2 U	1.9 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4 U	0.85 U	1 U	0.9 UJ	3.8 U	3.7 U	0.91 U	3.6 U	4 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	8 U	3.2 U	1.9 U	1.7 UJ	7.7 U	7.4 U	1.7 U	7.3 U	8 U	3.7 U	3.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	5.8 J	13	1.9 U	1.7 UJ	7.7 U	7.4 U	1.7 U	7.3 U	8 U	3.7 U	3.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	8 U	4.7 U	3.8 U	3.4 UJ	7.7 U	7.4 U	3.5 U	7.3 U	8 U	3.7 U	3.7 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	0.45 J	0.25 U	0.18 J	1.9 U	1.9 U	0.23 U	1.8 U	2 U	1.9 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4 U	1.3 U	1 U	0.9 UJ	3.8 UJ	3.7 U	0.91 U	3.6 UJ	4 U	3.7 U	19 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4 U	1.3 U	1 U	0.9 UJ	3.8 U	3.7 U	0.91 U	3.6 U	4 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	1.3 U	1 U	0.9 UJ	3.8 U	3.7 U	0.91 U	3.6 U	4 U	3.7 U	3.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	0.85 U	1 U	0.9 UJ	3.8 U	3.7 U	0.91 U	3.6 U	4 U	3.7 U	3.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	8.5 U	2.5 U	2.2 UJ	19 UJ	19 U	2.3 U	18 UJ	20 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	8.5 U	5 U	4.5 UJ	19 UJ	19 U	4.5 U	18 UJ	20 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	3.4 U	4 U	3.6 UJ	1.9 U	1.9 U	3.6 U	1.8 U	2 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4 U	3.2 U	3.8 U	3.4 UJ	3.8 U	3.7 U	3.5 U	3.6 U	4 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2.9 U	2 U	1.8 UJ	1.9 U	1.9 U	1.8 U	1.8 U	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4 U	1.3 U	0.5 U	0.45 UJ	3.8 U	3.7 U	0.45 U	3.6 U	4 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4 U	25 U	60 U	54 UJ	3.8 U	3.7 U	55 U	3.6 U	4 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4 U	3.2 U	6.6 U	5.9 UJ	3.8 U	3.7 U	6 U	3.6 U	4 U	NA	NA
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4 U	2.3 U	6.6 U	5.9 UJ	3.8 U	3.7 U	6 U	3.6 U	4 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	2.1 U	3.1 U	2.8 UJ	1.9 U	1.9 U	2.8 U	1.8 U	2 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	10 U	6.2 U	8.8 U	7.9 UJ	9.6 U	9.3 U	8 U	9.1 U	10 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	31 U	31 U	28 UJ	19 U	19 U	28 U	18 U	20 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	31 U	31 U	28 UJ	19 U	19 U	28 U	18 U	20 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	7.99	15.76	150.84	163.43	144.74	155.7	27.57	37.2	45.36	9.3	9.8

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				4						5				
Area:				Greenlaw Brook Drainage						02. Landfill No. 2				
Location ID:				WBGB_BW001						BW02001				
Sample ID:				LORNG_WBGB_BW01_01_10012022	LORNG_WBGB_BW01_01_10012022FD	LORNG_WBGB_BW01_01_05112023	LORNG_WBGB_BW01_01_10132023	LORNG_WBGB_BW01_01_05082024	LORNG_WBGB_BW01_01_10092024	LORNG_BW02001_08032022	LORNG_BW02001_09302022	LORNG_BW02001_06142023	LORNG_BW02001_0102023	LORNG_BW02001_05082024
Sample Date:				10/1/2022	10/1/2022	5/11/2023	10/13/2023	5/8/2024	10/9/2024	8/3/2022	9/30/2022	6/14/2023	10/10/2023	5/8/2024
Sample Depth (ft bgs):				80-90	80-90	80-90	80-90	80-90	80-90	70-80	70-80	70-80	70-80	70-80
Sample Type:				N	FD	N	N	N	N	N	N	N	N	N
Latitude:				46.9364028	46.9364028	46.9364028	46.9364028	46.9364028	46.9364028	46.9421174	46.9421174	46.9421174	46.9421174	46.9421174
Longitude:				-67.9176258	-67.9176258	-67.9176258	-67.9176258	-67.9176258	-67.9176258	-67.9455979	-67.9455979	-67.9455979	-67.9455979	-67.9455979
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	1.8 J	2 J	1.5 J	1.8 J	3.4 U	1.6 J	4 U	4 U	2 U	2 U	3.9 U
Perfluoropentanoic acid (PFPeA)	-	-	-	3.3 J	3.2 J	2.3 J	2.7 J	2.7 J	2.1 J	2 U	2 U	0.5 U	0.5 U	2 U
Perfluorohexanoic acid (PFHxA)	990	-	-	3.4 J	3.4 J	2.4	3.1	2.6 J	2.1	2 U	2 U	0.5 U	0.5 U	2 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	2 J	2.1 J	1.1 J	1.1 J	1.3 J	0.88 J	2 U	2 U	0.5 U	0.5 U	2 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.1 J	2.1 J	1.5 J	1.8	1.6 J	1.4 J	2 U	2 U	0.25 U	0.25 U	0.98 U
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	1.8 U	0.5 U	0.5 U	1.7 U	0.63 U	2 U	2 U	0.5 U	0.5 U	2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1.8 UJ	1 U	1 U	1.7 U	0.86 U	2 U	2 U	1 U	1 U	2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	8.9 UJ	0.5 U	0.5 U	1.7 U	1.3 U	2 U	2 U	0.5 U	0.5 U	2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	8.9 UJ	8.9 UJ	1 U	1 U	1.7 U	0.86 U	2 U	2 U	1 U	1 U	2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	8.9 UJ	8.9 UJ	1 U	1 U	1.7 U	1.3 U	2 U	2 U	1 U	1 U	2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	8.9 UJ	8.9 UJ	0.5 U	0.5 U	1.7 U	0.86 U	2 U	2 U	0.5 U	0.5 U	2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.8 U	1.8 U	1.2 J	1.4	1.5 J	1.4 J	2 U	2 U	0.44 U	0.44 U	2 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.4 J	1.7 J	1.1 J	1.4 J	3.4 U	1.2 J	2 U	2 U	0.47 U	0.47 U	3.9 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	6.3	6.7	6	7	7	6.8	2 U	2 U	0.47 U	0.47 U	2 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	1.8 U	0.16 J	0.21 J	1.7 U	0.59 U	2 U	2 U	0.47 U	0.47 U	2 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	6.5	6.5	6.3	9.5	6.7	7.9	2 U	2 U	0.47 U	0.47 U	2 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	1.8 U	0.94 U	0.94 U	1.7 U	1.2 U	2 U	2 U	0.94 U	0.94 U	2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	1.8 UJ	0.47 U	0.47 U	1.7 U	1.2 U	2 U	2 U	0.47 U	0.47 U	2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	1 U	3.4 U	0.86 U	NA	NA	1 U	1 U	3.9 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.6 U	18 U	1.9 U	1.9 U	6.8 U	3.2 U	4 U	4 U	1.9 U	1.9 U	7.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.6 U	3.6 U	1.9 U	1.9 U	6.8 U	3.3 U	4 U	4 U	1.9 U	1.9 U	7.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.6 U	3.6 U	3.8 U	3.8 U	6.8 U	4.8 U	4 U	4 U	3.8 U	3.8 U	7.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	1.8 U	0.25 U	0.25 U	1.7 U	0.36 J	2 U	2 U	0.86 U	0.25 U	2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	18 UJ	18 UJ	1 U	1 U	3.4 U	1.3 U	0 R	20 U	1 U	1 U	3.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	1 U	3.4 U	1.3 U	NA	NA	1 U	1 U	3.9 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	3.6 U	1 U	1 U	3.4 U	1.3 U	4 U	4 U	1 U	1 U	3.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	3.6 U	1 U	1 U	3.4 U	0.86 U	4 U	4 U	1 U	1 U	3.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.5 U	17 U	8.6 U	NA	NA	2.5 U	2.5 U	20 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	5 U	17 U	8.6 U	NA	NA	5 U	5 U	20 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	4 U	1.7 U	3.4 U	NA	NA	4 U	4 U	2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.8 U	3.4 U	3.2 U	NA	NA	3.8 U	3.8 U	3.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	2 U	1.7 U	2.9 U	NA	NA	2 U	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.5 U	3.4 U	1.3 U	NA	NA	0.5 U	0.5 U	3.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	60 U	3.4 U	26 U	NA	NA	60 U	60 U	3.9 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6.6 U	3.4 U	3.2 U	NA	NA	6.6 U	6.6 U	3.9 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6.6 U	3.4 U	2.4 U	NA	NA	6.6 U	6.6 U	3.9 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	3.1 U	1.7 U	2.2 U	NA	NA	3.1 U	3.1 U	2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8.8 U	8.5 U	6.3 U	NA	NA	8.8 U	8.8 U	9.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	31 U	17 U	31 U	NA	NA	31 U	31 U	20 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	31 U	17 U	31 U	NA	NA	31 U	31 U	20 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	16.9	17.4	14.9	19.4	16.6	16.98	12 U	12 U	3.19 U	3.19 U	10.98 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				5															
Area:				02. Landfill No. 2															
Location ID:				BW02001							BW02002					JMW-0806*			
Sample ID:				LORNG_BW02001_0	LORNG_BW02002_0	LORNG_BW02002_0	LORNG_BW02002_0	LORNG_BW02002_1	LORNG_BW02002_0	LORNG_BW02002_0	LORNG_BW02002_0	LORNG_JMW0806_0	LORNG_JMW0806_0	LORNG_JMW-	LORNG_JMW-				
Sample Date:				9/27/2024	8/4/2022	9/29/2022	5/17/2023	01/02/2023	5/8/2024	9/27/2024	5/18/2022	8/30/2022	0806 05/11/2023	0806 10/19/2023					
Sample Depth (ft bgs):				70-80	100-110	100-110	100-110	100-110	100-110	100-110	56-66	56-66	56-66	56-66					
Sample Type:				N	N	N	N	N	N	N	N	N	N	N					
Latitude:				46.9421174	46.9433353	46.9433353	46.9433353	46.9433353	46.9433353	46.9433353	46.94121676	46.94121676	46.94121676	46.94121676					
Longitude:				-67.9455979	-67.9450588	-67.9450588	-67.9450588	-67.9450588	-67.9450588	-67.9450588	-67.94129063	-67.94129063	-67.94129063	-67.94129063					
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L				
Perfluorobutanoic acid (PFBA)	1800	-	-	4 U	3.7 U	4 U	0.55 J	0.64 J	3.9 U	4.1 U	2 J	5.3 J	1.6 J	1.8 U					
Perfluoropentanoic acid (PFPeA)	-	-	-	2 U	1.9 U	2 U	0.25 J	0.23 J	2 U	2 U	1.4 J	2.3 J	0.9 J	0.46 U					
Perfluorohexanoic acid (PFHxA)	990	-	-	2 U	1.9 U	2 U	0.34 J	0.29 J	2 U	2 U	2.1 J	3.5 J	1.7	1.8					
Perfluoroheptanoic acid (PFHpA)	-	-	-	2 U	1.9 U	2 U	0.18 J	0.15 J	2 U	2 U	0.93 U	1.2 J	0.8 J	0.77 J					
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1 U	1.9 U	2 U	0.8 J	0.63 J	0.86 J	1 U	2.2 J	2.6 J	2.2	1.9					
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	1.9 U	2 U	0.5 U	0.5 U	2 U	2 U	0.93 U	2 U	0.22 J	0.51 J					
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1.9 U	2 U	1 U	1 U	2 U	2 U	0.93 U	2 U	1 U	0.29 J					
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	1.9 U	2 U	0.5 U	0.5 U	2 U	2 U	0.93 U	2 U	0.5 U	0.31 J					
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	9.3 U	2 U	1 U	1 U	2 U	2 U	0.93 U	2 U	1 U	0.31 J					
Perfluorotridecanoic acid (PFTrDA)	-	-	-	2 U	9.3 U	2 U	1 U	1 U	2 U	2 U	0.93 U	2 U	1 U	0.92 U					
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	9.3 U	2 U	0.5 U	0.5 U	2 U	2 U	0.93 U	2 U	0.5 U	0.25 J					
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 U	1.9 U	2 U	0.16 J	0.17 J	2 U	2 U	0.93 U	2 U	0.3 J	0.44 J					
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4 U	1.9 U	2 U	0.47 U	0.47 U	3.9 U	4.1 U	0.93 U	2 U	0.22 J	0.42 J					
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2 U	1.9 U	2 U	1.2 J	1.3 J	1.6 J	1.1 J	7	9.3	6	6.8					
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	1.9 U	2 U	0.47 U	0.47 U	2 U	2 U	0.93 U	2 U	0.47 U	0.28 J					
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2 U	1.9 U	2 U	0.89 J	1 J	0.89 J	2 U	8	7.4	6.1	6.2					
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	1.9 U	2 U	0.94 U	0.94 U	2 U	2 U	0.93 U	2 U	0.94 U	0.31 J					
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	1.9 U	2 U	0.47 U	0.47 U	2 U	2 U	0.93 U	2 U	0.47 U	0.28 J					
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4 U	NA	NA	1 U	1 U	3.9 U	4.1 U	NA	NA	1 U	0.92 U					
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	8.1 U	3.7 U	4 U	1.9 U	1.9 U	7.8 U	8.2 U	1.9 U	4 U	1.9 U	1.7 U					
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	8.1 U	3.7 U	4 U	1.9 U	1.9 U	7.8 U	8.2 U	1.9 U	4 U	1.9 U	1.8 J					
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	8.1 U	3.7 U	4 U	3.8 U	3.8 U	7.8 U	8.2 U	1.9 U	4 U	3.8 U	1.5 J					
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	1.9 U	2 U	0.25 U	0.25 U	2 U	2 U	0.93 U	2 U	0.25 U	0.48 J					
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4 U	19 UJ	0 R	1 U	1 U	3.9 U	4.1 U	9.3 U	4 U	1 U	0.34 J					
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4 U	NA	NA	1 U	1 U	3.9 UJ	4.1 U	NA	NA	1 U	0.4 J					
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	3.7 U	4 U	1 U	1 U	3.9 U	4.1 U	1.9 U	4 U	1 U	0.92 U					
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	3.7 U	4 U	1 U	1 U	3.9 U	4.1 U	1.9 U	4 UJ	1 U	0.36 J					
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	NA	NA	2.5 U	2.5 U	20 U	20 U	NA	NA	2.5 U	3.8 J					
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	NA	NA	5 U	5 U	20 U	20 U	NA	NA	5 U	4 J					
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	NA	NA	4 U	4 U	2 U	2 U	NA	NA	4 U	3.7 U					
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4 U	NA	NA	3.8 U	3.8 U	3.9 U	4.1 U	NA	NA	3.8 U	3.5 U					
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	NA	NA	2 U	2 U	2 U	2 U	NA	NA	2 U	1.8 U					
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4 U	NA	NA	0.5 U	0.5 U	3.9 U	4.1 U	NA	NA	0.5 U	0.46 U					
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4 U	NA	NA	60 U	60 U	3.9 U	4.1 U	NA	NA	60 U	55 U					
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4 U	NA	NA	6.6 U	6.6 U	3.9 U	4.1 U	NA	NA	6.6 U	6.1 U					
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4 U	NA	NA	6.6 U	6.6 U	3.9 U	4.1 U	NA	NA	6.6 U	6.1 U					
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	NA	NA	3.1 U	3.1 U	2 U	2 U	NA	NA	3.1 U	2.8 U					
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	10 U	NA	NA	8.8 U	8.8 U	9.8 U	10 U	NA	NA	8.8 U	8.1 UJ					
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	NA	NA	31 U	31 U	20 U	20 U	NA	NA	31 U	28 U					
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	NA	NA	31 U	31 U	20 U	20 U	NA	NA	31 U	28 U					
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	11 U	11.4 U	12 U	3.07	3.08	3.35	1.1	17.2	20.5	15.32	16.47					

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				5										
Area:				02. Landfill No. 2										
Location ID:				JMW-0806*			JMW0880*					JMW0882*		
Sample ID:				LORNG_JMW-0806_05142024	LORNG_JMW-0806_10012024	LORNG_JMW0880_05182022	LORNG_JMW0880_08232022	LORNG_JMW0880_06142023	LORNG_JMW0880_10302023	LORNG_JMW0880_06032024	LORNG_JMW0880_10162024	LORNG_JMW0882_05182022	LORNG_JMW0882_08302022	LORNG_JMW0882_06152023
Sample Date:				5/14/2024	10/1/2024	5/18/2022	8/23/2022	6/14/2023	10/30/2023	6/3/2024	10/16/2024	5/18/2022	8/30/2022	6/15/2023
Sample Depth (ft bgs):				56-66	56-66	38-48	38-48	38-48	38-48	38-48	38-48	41-51	41-51	41-51
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.94121676	46.94121676	46.93972982	46.93972982	46.93972982	46.93972982	46.93972982	46.93972982	46.94074936	46.94074936	46.94074936
Longitude:				-67.94129063	-67.94129063	-67.9385123	-67.9385123	-67.9385123	-67.9385123	-67.9385123	-67.9385123	-67.93861799	-67.93861799	-67.93861799
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.1 J	2.2 J	2.8 J	5.9 J	2.2 J	2.2 J	2.3 J	2.5 J	2 U	25 U	3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.8 U	1.1 J	1.8 J	6	1.1 J	1.3 J	1.2 J	3.6 J	1.5 J	2.7 J	1.8 J
Perfluorohexanoic acid (PFHxA)	990	-	-	1.6 J	1.9 J	2.3 J	7	2.4	2.3	3 J	4.7	4.2	4.1 J	4.7
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.75 J	0.57 J	1 J	2.7 J	0.89 J	1 J	0.98 J	1.5 J	3.1 J	3.2 J	2.2
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.2 J	1.7 J	3 J	8.3	3	5.2	2.9 J	4.9	15	14.5	16
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	2 U	1 U	1.3 J	0.24 J	0.49 J	1.9 U	2 U	1 U	2.5 U	0.74 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	2 U	1 U	2.2 U	1 U	1 U	1.9 U	2 U	1 U	2.5 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	2 U	1 U	11 U	0.5 U	0.52 U	1.9 U	2 U	1 U	2.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	2 U	1 U	11 UJ	1 U	1 U	1.9 U	2 U	1 U	2.5 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	2 U	1 U	11 UJ	1 U	1 U	1.9 U	2 U	1 U	2.5 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	2 U	1 U	11 UJ	0.5 U	0.52 U	1.9 U	2 U	1 U	2.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.8 U	2 U	1 U	1.2 J	0.55 J	0.56 J	1.9 U	2 U	1.4 J	2.5 U	1 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.6 U	4.1 U	1 U	2.2 U	0.49 J	0.64 J	3.8 U	4 U	1 J	2.5 U	1.2 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	7.6	7.1	7.7	12.6	9.6	11	5.5	7.2	11.9	14.6	18
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	2 U	1 U	2.2 U	0.47 U	0.45 J	1.9 U	2 U	1.3 J	1.5 J	0.98 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	13.1	5.8	11.6	23.8	11	24	11.8	6.6	43.9	51.8	49
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	2 U	1 U	2.2 U	0.94 U	0.98 U	1.9 U	2 U	1 U	2.5 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	2 U	1 U	2.2 UJ	0.47 U	0.49 U	1.9 U	2 U	1 U	2.5 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	4.1 U	NA	NA	1 U	1 U	3.8 U	4 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	8.2 U	2 U	4.4 U	1.9 U	2 U	7.5 U	7.9 U	2 U	5 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.3 U	8.2 U	2 U	4.4 U	1.9 U	2 U	7.5 U	7.9 U	2 U	5 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.3 U	8.2 U	2 U	4.4 U	3.8 U	4 U	7.5 U	7.9 U	2 U	5 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	2 U	1 U	2.2 U	1.3 J	0.26 U	1.9 U	2 U	1 UJ	13 UJ	0.31 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	4.1 U	10 UJ	0 R	1 U	1 U	3.8 UJ	4 U	0 R	0 R	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 UJ	4.1 U	NA	NA	1 U	1 U	3.8 U	4 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	4.1 U	2 U	4.4 U	1 U	0.93 J	3.8 U	4 U	2 U	5 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	4.1 U	2 U	4.4 U	1 U	1.1 J	3.8 U	4 U	4.7 J	6.8 J	4.7
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	20 U	NA	NA	2.5 U	2.7 U	19 UJ	20 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	20 U	NA	NA	5 U	5.2 U	19 UJ	20 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	2 U	NA	NA	4 U	4.2 U	1.9 U	2 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	4.1 U	NA	NA	3.8 U	4 U	3.8 U	4 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	2 U	NA	NA	2 U	2.1 U	1.9 U	2 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	4.1 U	NA	NA	0.5 U	0.52 U	3.8 U	4 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	4.1 U	NA	NA	60 U	62 U	3.8 U	4 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	4.1 U	NA	NA	6.6 U	6.9 U	3.8 U	4 U	NA	NA	6.6 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	4.1 U	NA	NA	6.6 U	6.9 U	3.8 U	4 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	2 U	NA	NA	3.1 U	3.2 U	1.9 U	2 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	10 U	NA	NA	8.8 U	9.2 U	9.4 U	9.9 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	20 U	NA	NA	31 U	32 U	19 U	20 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	20 U	NA	NA	31 U	32 U	19 U	20 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	23.65	15.17	23.3	48.7	24.73	41.69	21.18	20.2	73.9	84.1	85.94

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				5										
Area:				02. Landfill No. 2										
Location ID:				JMW0882*				JMW0891				LF2MW1		
Sample ID:				LORNG_JMW0882_0	LORNG_JMW0882_1	LORNG_JMW0882_1	LORNG_JMW0882_0	LORNG_JMW0882_0	LORNG_JMW0882_1	LORNG_JMW0882_1	LORNG_JMW0891_0	LORNG_JMW0891_0	LORNG_LF2MW1_05	LORNG_LF2MW1_05
Sample Date:				6152023FD	0302023	0302023FD	6062024	6062024FD	0152024	0152024FD	5192022	5172023	192022	192022FD
Sample Depth (ft bgs):				41-51	41-51	41-51	41-51	41-51	41-51	41-51	41-51	41-51	65-75	65-75
Sample Type:				FD	N	FD	N	FD	N	FD	N	N	N	FD
Latitude:				46.94074936	46.94074936	46.94074936	46.94074936	46.94074936	46.94074936	46.94074936	46.94316742	46.94316742	46.94037726	46.94037726
Longitude:				-67.93861799	-67.93861799	-67.93861799	-67.93861799	-67.93861799	-67.93861799	-67.93861799	-67.94225734	-67.94225734	-67.93684735	-67.93684735
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.9 J	2.6 J	2.6 J	3.7 U	1.9 J	5.3 U	4 U	1.9 U	1.1 J	1.9 U	1.9 U
Perfluoropentanoic acid (PFPeA)	-	-	-	1.7 J	1.5 J	1.5 J	2.2 J	1.8 J	1.3 J	1 J	1.3 J	0.66 J	0.93 UJ	0.93 U
Perfluorohexanoic acid (PFHxA)	990	-	-	5	3.4	3.5	2.8 J	2.9 J	2.2 J	1.4 J	1.7 J	1 J	0.93 UJ	0.93 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	2.2	1.6	1.6	1.6 J	1.5 J	2.6 U	2 U	0.93 U	0.53 J	0.93 U	0.93 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	17	13	13	9.8	9.6	6.2 J+	5.4 U	3.9	2.9	0.93 U	0.93 U
Perfluorononanoic acid (PFNA)	5.9	10	-	0.76 J	0.69 J	0.75 J	0.62 J	1.8 U	2.6 U	2 U	0.93 U	0.19 J	0.93 U	0.93 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1 U	0.98 U	1.9 U	1.8 U	2.6 U	2 U	0.93 U	1 U	0.93 U	0.93 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	0.51 U	0.49 U	1.9 U	1.8 U	2.6 U	2 U	0.93 U	0.5 U	0.93 U	0.93 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1 U	0.98 U	1.9 U	1.8 U	2.6 U	2 U	0.93 U	1 U	0.93 U	0.93 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1 U	0.98 U	1.9 U	1.8 U	2.6 U	2 U	0.93 U	1 U	0.93 U	0.93 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	0.51 U	0.49 U	1.9 U	1.8 U	2.6 U	2 U	0.93 U	0.5 U	0.93 U	0.93 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1 J	0.75 J	0.74 J	0.81 J	0.7 J	2.6 U	2 U	0.93 U	0.51 J	0.93 U	0.93 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.2 J	0.84 J	1 J	3.7 U	3.7 U	5.3 U	4 U	0.93 U	0.43 J	0.93 U	0.93 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	17	15	15	10.3	10.4	9.1	7.4	7.6	6.8	4.8	4.5
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.91 J	0.8 J	0.74 J	1.1 J	0.8 J	2.6 U	0.93 J	0.93 U	0.15 J	0.93 U	0.93 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	46	51	46	31.1	31.4	36.3	28.2	3.4 J	4.3	7.2	7
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	0.95 U	0.92 U	1.9 U	1.8 U	2.6 U	2 U	0.93 U	0.94 U	0.93 U	0.93 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	0.48 U	0.46 U	1.9 U	1.8 U	2.6 U	2 U	0.93 U	0.47 U	0.93 U	0.93 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	1 U	0.98 U	3.7 U	3.7 U	5.3 U	4 U	NA	1 U	NA	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.9 U	1.9 U	7.5 U	7.3 U	11 U	8.1 U	1.9 U	1.9 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.9 U	1.9 U	7.5 U	7.3 U	11 U	8.1 U	1.9 U	1.9 U	10	8.6
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	3.9 U	3.7 U	7.5 U	7.3 U	11 U	8.1 U	1.9 U	3.8 U	1.9 U	1.9 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.34 J	0.38 UJ	0.3 U	1.9 U	1.8 U	2.6 U	2 U	0.93 U	0.25 U	0.93 U	0.93 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	1 U	0.98 U	3.7 U	3.7 U	5.3 U	4 U	1.9 U	1 U	9.3 UJ	9.3 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	1 U	0.98 U	3.7 U	3.7 U	5.3 U	4 U	NA	1 U	NA	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	1 U	0.98 U	3.7 U	3.7 U	5.3 U	4 U	1.9 U	1 U	1.9 U	1.9 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4.2	5.8	4.3	4.3 J	3.5 J	6.4 U	4.1 U	1.9 U	1 U	1.9 U	1.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	2.5 U	2.4 U	19 U	18 U	26 U	20 U	NA	2.5 U	NA	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	5.1 U	4.9 U	19 U	18 U	26 U	20 U	NA	5 U	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	4.1 U	3.9 U	1.9 U	1.8 U	2.6 U	2 U	NA	4 U	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.9 U	3.7 U	3.7 U	3.7 U	5.3 U	4 U	NA	3.8 U	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	2 U	1.9 U	1.8 U	2.6 U	2 U	NA	2 U	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	0.51 U	0.49 U	3.7 U	3.7 U	5.3 U	4 U	NA	0.5 U	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	61 U	59 U	3.7 U	3.7 U	5.3 U	4 U	NA	60 U	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	6.7 U	6.5 U	3.7 U	3.7 U	5.3 U	4 U	NA	6.6 U	NA	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	6.7 U	6.5 U	3.7 U	3.7 U	5.3 U	4 U	NA	6.6 U	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	3.1 U	3 U	1.9 U	1.8 U	2.6 U	2 U	NA	3.1 U	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	8.9 U	8.6 U	9.3 U	9.2 U	13 U	10 U	NA	8.8 U	NA	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	31 U	30 U	19 U	18 U	26 U	20 U	NA	31 U	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	31 U	30 U	19 U	18 U	26 U	20 U	NA	31 U	NA	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	82.96	81.29	76.35	53.42	52.9	51.6	35.6	14.9	14.72	12	11.5

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				5										
Area:				02. Landfill No. 2										
Location ID:				LF2MW1					LF2MW2					
Sample ID:				LORNG_LF2MW1_08	LORNG_LF2MW1_05	LORNG_LF2MW1_10	LORNG_LF2MW1_05	LORNG_LF2MW1_10	LORNG_LF2MW2_05	LORNG_LF2MW2_08	LORNG_LF2MW2_05	LORNG_LF2MW2_10	LORNG_LF2MW2_05	LORNG_LF2MW2_10
Sample Date:				212022	112023	172023	162024	012024	192022	222022	172023	242023	152024	032024
Sample Depth (ft bgs):				8/21/2022	5/11/2023	10/17/2023	5/16/2024	10/1/2024	5/19/2022	8/22/2022	5/17/2023	10/24/2023	5/15/2024	10/3/2024
Sample Type:				65-75	65-75	65-75	65-75	65-75	40-50	40-50	40-50	40-50	40-50	40-50
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.94037726	46.94037726	46.94037726	46.94037726	46.94037726	46.94038971	46.94038971	46.94038971	46.94038971	46.94038971	46.94038971
Longitude:				-67.93684735	-67.93684735	-67.93684735	-67.93684735	-67.93684735	-67.93683096	-67.93683096	-67.93683096	-67.93683096	-67.93683096	-67.93683096
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.7 U	0.62 J	2.8 J	4.3 U	3.9 U	4.4 J	3.7 U	1.7 J	0.77 J	3.7 U	3.8 U
Perfluoropentanoic acid (PFPeA)	-	-	-	1.9 U	0.2 J	0.97 J	2.2 U	0.97 J	2.9 J	1.9 U	1.4 J	0.53 J	1.9 U	1.9 U
Perfluorohexanoic acid (PFHxA)	990	-	-	1.9 U	0.29 J	1.6	2.2 U	1.4 J	5.8	1 J	2.6	0.9 J	1.2 J	1.9 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.9 U	0.19 J	0.97 U	2.2 U	0.84 J	3.2 J	1.9 U	1.5 J	0.51 J	0.69 J	1.9 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.7 J	0.89 J	4.6	1.5 J	2.9 J	10.1	3.3 J	5.8	2.6 J	3.2 J	1.5 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	0.5 U	0.33 J	2.2 U	1.9 U	1 U	1.9 U	0.19 J	0.15 J	1.9 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1 U	0.92 U	2.2 U	1.9 U	1 U	1.9 U	1 U	0.91 UJ	1.9 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	0.5 U	0.46 U	2.2 U	1.9 U	1 U	1.9 U	0.5 U	0.45 UJ	1.9 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1 U	0.92 U	2.2 U	1.9 U	1 U	9.3 U	1 U	0.91 UJ	1.9 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1 U	0.92 U	2.2 U	1.9 U	1 U	9.3 U	1 U	0.91 UJ	1.9 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	0.5 U	0.46 U	2.2 U	1.9 U	1 U	9.3 U	0.5 U	0.45 UJ	1.9 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 U	0.44 J	0.63 J	2.2 U	0.61 J	1 U	1.9 U	0.57 J	0.45 J	0.57 J	1.9 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.9 U	0.36 J	0.6 J	4.3 U	3.9 U	1 U	1.9 U	0.5 J	0.36 J	3.7 U	3.8 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	11.5	6.1	11	5.6	6.8	8	4.9	6.2	5.5 J	6.5	2.5 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	0.47 U	0.22 J	2.2 U	1.9 U	1 U	1.9 U	0.47 U	0.43 UJ	1.9 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	9.6	7.3	12	11.4	10.5	8	6	5.5	4.6 J	4.8	2.7 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	0.94 U	0.87 U	2.2 U	1.9 U	1 U	1.9 U	0.94 U	0.85 UJ	1.9 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	0.47 U	0.43 U	2.2 U	1.9 U	1 U	1.9 U	0.47 U	0.43 UJ	1.9 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	0.92 U	4.3 U	3.9 U	NA	NA	1 U	0.91 UJ	3.7 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	3.7 U	1.9 U	1.7 U	8.7 U	7.8 U	2 U	3.7 U	1.9 U	1.7 UJ	7.4 U	7.5 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	3.7 U	1.9 U	1.7 U	8.7 U	7.8 U	2 U	3.7 U	1.9 U	1.7 UJ	7.4 U	7.5 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.7 U	3.8 U	3.5 U	8.7 U	7.8 U	2 U	3.7 U	3.8 U	3.4 UJ	7.4 U	7.5 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	0.25 U	0.58 UJ	2.2 U	1.9 U	1 U	1.9 U	0.25 U	0.23 UJ	1.9 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	1 U	0.92 U	4.3 U	3.9 U	10 UJ	0 R	1 U	0.91 UJ	3.7 U	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	0.92 U	4.3 U	3.9 U	NA	NA	1 U	0.91 UJ	3.7 UJ	3.8 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	1 U	0.92 U	4.3 U	3.9 U	2 U	3.7 U	1 U	0.91 UJ	3.7 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	1 U	0.92 U	4.3 U	3.9 U	2 U	3.7 U	1 U	0.91 UJ	3.7 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.3 U	22 UJ	19 U	NA	NA	2.5 U	2.3 UJ	19 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	4.6 U	22 UJ	19 U	NA	NA	5 U	4.5 UJ	19 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	3.7 U	2.2 U	1.9 U	NA	NA	4 U	3.6 UJ	1.9 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.5 U	4.3 U	3.9 U	NA	NA	3.8 U	3.4 UJ	3.7 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	1.8 U	2.2 U	1.9 U	NA	NA	2 U	1.8 UJ	1.9 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.46 U	4.3 U	3.9 U	NA	NA	0.5 U	0.45 UJ	3.7 U	3.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	55 U	4.3 U	3.9 U	NA	NA	60 U	54 UJ	3.7 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.1 U	4.3 U	3.9 U	NA	NA	6.6 U	6 UJ	3.7 U	3.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.1 U	4.3 U	3.9 U	NA	NA	6.6 U	6 UJ	3.7 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	2.9 U	2.2 U	1.9 U	NA	NA	3.1 U	2.8 UJ	1.9 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.1 U	11 U	9.7 U	NA	NA	8.8 U	8 UJ	9.3 U	9.4 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	29 U	22 U	19 U	NA	NA	31 U	28 UJ	19 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	29 U	22 U	19 U	NA	NA	31 U	28 UJ	19 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	22.8	14.48	27.93	18.5	21.04	29.3	14.2	19.19	13.36	15.19	6.7

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				5										
Area:				02. Landfill No. 2										
Location ID:				LF2MW3					OW02001		OW02002			
Sample ID:				LORNG_LF2MW3_05	LORNG_LF2MW3_05	LORNG_LF2MW3_10	LORNG_LF2MW3_05	LORNG_LF2MW3_10	LORNG_OW02001_1	LORNG_OW02001_0	LORNG_OW02002_0	LORNG_OW02002_1	LORNG_OW02002_0	LORNG_OW02002_1
Sample Date:				192022	182023	112023	082024	172024	1012023	5062024	8042022	0032022	5172023	0242023
Sample Depth (ft bgs):				5/19/2022	5/18/2023	10/11/2023	5/8/2024	10/17/2024	11/1/2023	5/6/2024	8/4/2022	10/3/2022	5/17/2023	10/24/2023
Sample Type:				80-90	80-90	80-90	80-90	80-90	20-30	20-30	30-40	30-40	30-40	30-40
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.94237594	46.94237594	46.94237594	46.94237594	46.94237594	46.9421061	46.9421061	46.9433603	46.9433603	46.9433603	46.9433603
				-67.94216915	-67.94216915	-67.94216915	-67.94216915	-67.94216915	-67.9456312	-67.9456312	-67.9449828	-67.9449828	-67.9449828	-67.9449828
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	1.9 U	1.2 J	0.73 J	3.7 U	3.9 U	2 U	3.8 U	3.7 U	5.3 U	1.2 J	0.98 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1 J	0.48 J	0.31 J	1.9 U	2 U	0.51 U	1.9 U	2 J	2.6 J	0.83 J	0.55 J
Perfluorohexanoic acid (PFHxA)	990	-	-	1.3 J	0.73 J	0.48 J	1.9 U	1.1 J	0.51 U	1.9 U	1.8 J	3.6 J	1.4 J	0.91 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.93 U	0.41 J	0.27 J	1.9 U	0.62 J	0.51 U	1.9 U	1.9 U	1.4 J	0.61 J	0.36 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.3 J	0.8 U	0.71 J	1.2 J	1.4 J	0.73 J	0.94 U	3.7	5.8	2.7	2.1 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.93 U	0.26 J	0.21 J	1.9 U	2 U	0.51 U	1.9 U	1.9 U	2.6 U	0.19 J	0.19 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.93 U	1 U	0.9 UJ	1.9 U	2 U	1 U	1.9 U	1.9 U	1.6 J	1 U	0.91 UJ
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.93 U	0.5 U	0.45 UJ	1.9 U	2 U	0.51 U	1.9 U	1.9 U	2.6 U	0.5 U	0.45 UJ
Perfluorododecanoic acid (PFDoA)	-	-	-	0.93 U	1 U	0.9 UJ	1.9 U	2 U	1 U	1.9 U	1.9 U	2.6 U	1 U	0.91 UJ
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.93 U	1 U	0.9 UJ	1.9 U	2 U	1 U	1.9 U	1.9 U	2.6 U	1 U	0.91 UJ
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.93 U	0.5 U	0.45 UJ	1.9 U	2 U	0.51 U	1.9 U	1.9 U	13 U	0.5 U	0.45 UJ
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.93 U	0.18 J	0.25 J	1.9 U	2 U	0.15 J	1.9 U	1.9 U	2.6 U	0.47 J	0.44 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.93 U	0.47 U	0.42 UJ	3.7 U	3.9 U	0.48 U	3.8 U	1.9 U	2.6 U	0.43 J	0.34 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2.3 J	2.2	3.8 J	3 J	5.4	0.22 J	1.9 U	6.3	5.7	5.7	5.5 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.93 U	0.47 U	0.42 UJ	1.9 U	2 U	0.48 U	1.9 U	1.9 U	2.6 U	0.47 U	0.43 UJ
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	3.7	2.9	3.2 J	4.4	4.9	0.94 J	1.9 U	10.4	9.8	8.7	7.6 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.93 U	0.94 U	0.85 UJ	1.9 U	2 U	0.95 U	1.9 U	1.9 U	2.6 U	0.94 U	0.85 UJ
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.93 U	0.47 U	0.42 UJ	1.9 U	2 U	0.48 U	1.9 U	1.9 U	2.6 U	0.47 U	0.43 UJ
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	0.9 UJ	3.7 U	3.9 U	1 U	3.8 U	NA	NA	1 U	0.91 UJ
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	1.9 U	1.7 UJ	7.4 U	7.8 U	1.8 U	7.5 U	3.7 U	5.3 U	1.9 U	1.7 UJ
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	1.9 U	1.7 UJ	7.4 U	7.8 U	1.9 U	7.5 U	3.7 U	5.3 U	1.9 U	1.7 UJ
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	1.9 U	3.8 U	3.4 UJ	7.4 U	7.8 U	3.8 U	7.5 U	3.7 U	5.3 U	3.8 U	3.4 UJ
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.93 U	0.25 U	0.23 UJ	1.9 U	2 U	0.25 U	1.9 U	1.9 U	3 J	0.25 U	0.23 UJ
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	9.3 UJ	1 U	0.9 UJ	3.7 U	3.9 U	1 U	3.8 U	0 R	0 R	1 U	0.91 UJ
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	0.9 UJ	3.7 U	3.9 U	1 U	3.8 U	NA	NA	1 U	0.91 UJ
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1.9 U	1 U	0.9 UJ	3.7 U	3.9 U	1 U	3.8 U	3.7 U	3 J	1 U	0.91 UJ
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1.9 U	1 U	0.9 UJ	3.7 U	3.9 U	1 U	3.8 U	3.7 U	2.9 J	1 U	0.91 UJ
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.3 UJ	19 U	20 U	2.5 U	19 U	NA	NA	2.5 U	2.3 UJ
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	4.5 UJ	19 U	20 U	5.1 U	19 U	NA	NA	5 U	4.5 UJ
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	3.6 UJ	1.9 U	2 U	4 U	1.9 U	NA	NA	4 U	3.6 UJ
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.4 UJ	3.7 U	3.9 U	3.8 U	3.8 U	NA	NA	3.8 U	3.4 UJ
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	1.8 UJ	1.9 U	2 U	1.8 U	1.9 U	NA	NA	2 U	1.8 UJ
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.45 UJ	3.7 U	3.9 U	0.51 U	3.8 U	NA	NA	0.5 U	0.45 UJ
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	54 UJ	3.7 U	3.9 U	61 U	3.8 U	NA	NA	60 U	54 UJ
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	5.9 UJ	3.7 U	3.9 U	6.7 U	3.8 U	NA	NA	6.6 U	6 UJ
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	5.9 UJ	3.7 U	3.9 U	6.7 U	3.8 U	NA	NA	6.6 U	6 UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	2.8 UJ	1.9 U	2 U	3.1 U	1.9 U	NA	NA	3.1 U	2.8 UJ
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	7.9 UJ	9.3 U	9.8 U	8.9 U	9.4 U	NA	NA	8.8 U	8 UJ
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	28 UJ	19 U	20 U	31 U	19 U	NA	NA	31 U	28 UJ
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	28 UJ	19 U	20 U	31 U	19 U	NA	NA	31 U	28 UJ
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	7.3	5.77	8.19	8.6	12.32	1.89	10.44 U	20.4	24.3	17.9	15.75

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				5	6									
Area:				02. Landfill No. 2	03. Landfill No. 3									
Location ID:				OW02002	RFW-38						BW03001			
Sample ID:				LORNG_OW02002_0	LORNG_RFW-38_05212022	LORNG_RFW-38_08302022	LORNG_RFW-38_05182023	LORNG_RFW-38_10122023	LORNG_RFW-38_05162024	LORNG_RFW-38_09232024	LORNG_BW03001_0_8052022	LORNG_BW03001_0_9292022	LORNG_BW03001_0_6072023	LORNG_BW03001_1_0102023
Sample Date:				5/14/2024	5/21/2022	8/30/2022	5/18/2023	10/12/2023	5/16/2024	9/23/2024	8/5/2022	9/29/2022	6/7/2023	10/10/2023
Sample Depth (ft bgs):				30-40	26-138	26-138	26-138	26-138	26-138	26-138	55-65	55-65	55-65	55-65
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9433603	46.93882814	46.93882814	46.93882814	46.93882814	46.93882814	46.93882814	46.9316216	46.9316216	46.9316216	46.9316216
Longitude:				-67.9449828	-67.93665957	-67.93665957	-67.93665957	-67.93665957	-67.93665957	-67.93665957	-67.9321926	-67.9321926	-67.9321926	-67.9321926
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.3 J	2 U	4.5 U	2 U	2 U	3.4 U	3.7 U	3.7 U	3.6 U	2 U	1.9 J
Perfluoropentanoic acid (PFPeA)	-	-	-	1.8 U	1 U	2.3 U	0.45 J	0.31 J	1.7 U	1.9 U	1.9 U	1.8 U	0.5 U	1.1 J
Perfluorohexanoic acid (PFHxA)	990	-	-	1.6 J	1 U	2.3 U	0.59 J	0.37 J	1.7 U	1.9 U	1.9 U	1.5 J	0.5 U	1.3 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1 J	1 U	2.3 U	0.22 J	0.5 U	1.7 U	1.9 U	1.9 U	1.8 U	0.5 U	0.47 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	3.9	1 U	2.3 U	0.95 J	0.63 J	0.86 U	0.93 U	1.9 U	1.8 U	0.16 J	1.1 J
Perfluorononanoic acid (PFNA)	5.9	10	-	0.7 J	1 U	2.3 U	0.5 U	0.5 U	1.7 U	1.9 U	1.9 U	1.8 U	0.5 U	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1 U	2.3 U	1 U	1 U	1.7 U	1.9 U	1.9 U	1.8 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	1 U	2.3 U	0.5 U	0.5 U	1.7 U	1.9 U	1.9 U	1.8 U	0.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1 U	2.3 U	1 U	1 U	1.7 U	1.9 U	1.9 U	1.8 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1 U	2.3 U	1 U	1 U	1.7 U	1.9 U	1.9 U	1.8 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	1 U	2.3 U	0.5 U	0.5 U	1.7 U	1.9 U	1.9 U	1.8 U	0.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.61 J	1 U	2.3 U	0.44 U	0.44 U	1.7 U	1.9 U	1.9 U	1.8 U	0.44 U	0.24 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.6 U	1 U	2.3 U	0.47 U	0.47 U	3.4 U	3.7 U	1.9 U	1.8 U	0.47 U	0.47 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	6.6	1 U	2.3 U	1.1 J	0.57 J	1.7 U	1.9 U	1.9 U	1.8 U	0.27 J	1 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	1 U	2.3 U	0.47 U	0.47 U	1.7 U	1.9 U	1.9 U	1.8 U	0.47 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	16.8	1 U	2.3 U	1.4 J	0.47 U	1.7 U	1.9 U	1.9 U	1.8 U	0.84 U	0.47 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	1 U	2.3 U	0.94 U	0.94 U	1.7 U	1.9 U	1.9 U	1.8 U	0.94 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	1 U	2.3 U	0.47 U	0.47 U	1.7 U	1.9 U	1.9 U	1.8 U	0.47 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	NA	NA	1 U	1 U	3.4 U	3.7 U	NA	NA	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	2 U	4.5 U	1.9 U	1.9 U	6.9 U	7.5 U	3.7 U	3.6 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.3 U	2 U	4.5 U	1.9 U	1.9 U	6.9 U	7.5 U	3.7 U	3.6 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.3 U	2 U	4.5 U	3.8 U	3.8 U	6.9 U	7.5 U	3.7 U	3.6 U	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	1 U	2.3 U	0.14 J	0.25 U	1.7 U	1.9 U	1.9 U	1.8 U	0.17 J	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	2 U	23 U	1 U	1 U	3.4 U	3.7 U	3.7 U	0 R	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 U	NA	NA	1 U	1 U	3.4 U	3.7 U	NA	NA	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	2 U	4.5 U	1 U	1 U	3.4 U	3.7 U	3.7 U	3.6 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	2 U	4.5 U	1 U	1 U	3.4 U	3.7 U	3.7 U	3.6 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	NA	NA	2.5 U	2.5 U	17 U	19 U	NA	NA	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	NA	NA	5 U	5 U	17 U	19 U	NA	NA	5 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	NA	NA	4 U	4 U	1.7 U	1.9 U	NA	NA	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	NA	NA	3.8 U	3.8 U	3.4 U	3.7 U	NA	NA	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	NA	NA	2 U	2 U	1.7 U	1.9 U	NA	NA	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	NA	NA	0.5 U	0.5 U	3.4 U	3.7 U	NA	NA	0.5 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	NA	NA	60 U	60 U	3.4 U	3.7 U	NA	NA	60 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	NA	NA	6.6 U	6.6 U	3.4 U	3.7 U	NA	NA	6.6 U	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	NA	NA	6.6 U	6.6 U	3.4 U	3.7 U	NA	NA	6.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	NA	NA	3.1 U	3.1 U	1.7 U	1.9 U	NA	NA	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	NA	NA	8.8 U	8.8 U	8.6 U	9.3 U	NA	NA	8.8 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	NA	NA	31 U	31 U	17 U	19 U	NA	NA	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	NA	NA	31 U	31 U	17 U	19 U	NA	NA	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	29	6 U	13.8 U	3.67	1.2	9.36 U	10.43 U	11.4 U	10.8 U	0.43	2.57

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				6										
Area:				03. Landfill No. 3										
Location ID:				BW03001				BW03002				JMW0941*		
Sample ID:				LORNG_BW03001_0	LORNG_BW03001_0	LORNG_BW03002_0	LORNG_BW03002_1	LORNG_BW03002_0	LORNG_BW03002_1	LORNG_BW03002_0	LORNG_BW03002_1	LORNG_JMW0941_0	LORNG_JMW0941_0	LORNG_JMW0941_0
Sample Date:				5072024	9302024	8052022	0012022	5162023	0112023	5212024	0182024	5202022	8302022	6072023
Sample Depth (ft bgs):				55-65	55-65	50-60	50-60	50-60	50-60	50-60	50-60	41-51	41-51	41-51
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9316216	46.9316216	46.9361144	46.9361144	46.9361144	46.9361144	46.9361144	46.9361144	46.93350438	46.93350438	46.93350438
Longitude:				-67.9321926	-67.9321926	-67.93806	-67.93806	-67.93806	-67.93806	-67.93806	-67.93806	-67.93615014	-67.93615014	-67.93615014
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	4 U	4.3 U	4 U	2.2 J	1.4 J	1.7 J	3.6 U	4 U	1.9 U	3.7 U	2 U
Perfluoropentanoic acid (PFPeA)	-	-	-	2 U	2.1 U	1.3 J	1.7 J	1.6 J	1.8 J	1.4 J	1.2 J	0.93 U	1.9 U	0.5 U
Perfluorohexanoic acid (PFHxA)	990	-	-	2 U	2.1 U	1.2 J	1.3 J	2.2	2.5 J	2.3 J	1.9 J	0.93 U	1.9 U	0.5 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	2 U	2.1 U	2 U	1.8 U	0.85 J	0.96 J	0.83 J	0.6 J	0.93 U	1.9 U	0.5 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.99 U	1.1 U	2 U	1.8 U	2.1	2.1 J	1.9 J	1.9 J	0.93 U	1.9 U	0.28 J
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	2.1 U	2 U	1.8 U	0.17 J	0.16 J	1.8 U	2 U	0.93 U	1.9 U	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	2.1 U	2 U	1.8 U	1 U	1 UJ	1.8 U	2 U	0.93 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	2.1 U	2 U	1.8 U	0.5 U	0.5 UJ	1.8 U	2 U	0.93 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	2 U	2.1 U	2 U	1.8 U	1 U	1 UJ	1.8 U	2 U	0.93 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	2 U	2.1 U	2 U	1.8 U	1 U	1 UJ	1.8 U	2 U	0.93 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	2 U	2.1 U	2 UJ	1.8 U	0.5 U	0.5 UJ	1.8 U	2 U	0.93 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 U	2.1 U	2 U	2.8 J	0.35 J	0.38 J	1.8 U	2 U	0.93 U	1.9 U	0.44 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	4 U	4.3 U	2 U	1.8 U	0.31 J	0.27 J	3.6 U	4 U	0.93 U	1.9 U	0.47 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	2 U	2.1 U	2 U	1.8 U	8.5	7.3 J	8.2	3.6 J	0.93 U	1.9 U	0.47 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	2.1 U	2 U	1.8 U	0.47 U	0.47 UJ	1.8 U	2 U	0.93 U	1.9 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	2 U	2.1 U	2 U	1.8 U	0.47 U	0.47 UJ	0.67 J	2 U	0.93 U	1.9 U	0.47 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	2.1 U	2 U	1.8 U	0.94 U	0.94 UJ	1.8 U	2 U	0.93 U	1.9 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	2.1 U	2 U	1.8 U	0.47 U	0.47 UJ	1.8 U	2 U	0.93 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	4 U	4.3 U	NA	NA	1 U	1 UJ	3.6 U	4 U	NA	NA	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.9 U	8.5 U	4 U	3.6 U	1.9 U	1.9 UJ	7.3 U	8 U	1.9 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.9 U	8.5 U	4 U	14.6	1.9 U	1.9 UJ	7.3 U	8 U	1.9 U	3.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.9 U	8.5 U	4 U	3.6 U	3.8 U	3.8 UJ	7.3 U	8 U	1.9 U	3.7 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2 U	2.1 U	2 U	1.8 U	0.31 J	0.25 UJ	1.8 U	2 U	0.93 U	1.9 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	4 U	4.3 U	4 U	0 R	1 U	1 UJ	3.6 UJ	4 U	9.3 UJ	3.7 UJ	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	4 UJ	4.3 U	NA	NA	1 U	1 UJ	3.6 U	4 U	NA	NA	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	4.3 U	4 U	3.6 U	1 U	1 UJ	3.6 U	4 U	1.9 U	3.7 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	4 U	4.3 U	4 U	3.6 U	1 U	1 UJ	3.6 U	4 U	1.9 U	3.7 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	20 U	21 U	NA	NA	2.5 U	2.5 UJ	18 UJ	20 U	NA	NA	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	20 U	21 U	NA	NA	5 U	5 UJ	18 UJ	20 U	NA	NA	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	2 U	2.1 U	NA	NA	4 U	4 UJ	1.8 U	2 U	NA	NA	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	4 U	4.3 U	NA	NA	3.8 U	3.8 UJ	3.6 U	4 U	NA	NA	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2.1 U	NA	NA	2 U	2 UJ	1.8 U	2 U	NA	NA	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	4 U	4.3 U	NA	NA	0.5 U	0.5 UJ	3.6 U	4 U	NA	NA	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	4 U	4.3 U	NA	NA	60 U	60 UJ	3.6 U	4 U	NA	NA	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	4 U	4.3 U	NA	NA	6.6 U	6.6 UJ	3.6 U	4 U	NA	NA	6.6 U
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	4 U	4.3 U	NA	NA	6.6 U	6.6 UJ	3.6 U	4 U	NA	NA	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2 U	2.1 U	NA	NA	3.1 U	3.1 UJ	1.8 U	2 U	NA	NA	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.9 U	11 U	NA	NA	8.8 U	8.8 UJ	9.1 U	10 U	NA	NA	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	20 U	21 U	NA	NA	31 U	31 UJ	18 U	20 U	NA	NA	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	20 U	21 U	NA	NA	31 U	31 UJ	18 U	20 U	NA	NA	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	10.99 U	11.6 U	12 U	10.8 U	11.62	10.52	11.6	6.1	5.58 U	11.4 U	0.28

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				6										
Area:				03. Landfill No. 3										
Location ID:				JMW0941*			JMW0961						JMW0962	JMW0980*
Sample ID:				LORNG_JMW0941_1	LORNG_JMW0941_0	LORNG_JMW0941_1	LORNG_JMW0961_0	LORNG_JMW0961_0	LORNG_JMW0961_0	LORNG_JMW0961_1	LORNG_JMW0961_0	LORNG_JMW0961_1	LORNG_JMW0962_1	LORNG_JMW0980_0
Sample Date:				0102023	5082024	0152024	5212022	8292022	5182023	0182023	5172024	0112024	0172024	5202022
Sample Depth (ft bgs):				10/10/2023	5/8/2024	10/15/2024	5/21/2022	8/29/2022	5/18/2023	10/18/2023	5/17/2024	10/11/2024	10/17/2024	5/20/2022
Sample Type:				41-51	41-51	41-51	4-14	4-14	4-14	4-14	4-14	4-14	30-40	51-61
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.93350438	46.93350438	46.93350438	46.93595071	46.93595071	46.93595071	46.93595071	46.93595071	46.93595071	46.9367534	46.93412563
				-67.93615014	-67.93615014	-67.93615014	-67.9348574	-67.9348574	-67.9348574	-67.9348574	-67.9348574	-67.9348574	-67.9326532	-67.93439707
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2 U	4 U	4.1 U	3.6 J	4.5 U	2.2 J	1.4 J	4.5 U	2.5 J	3.8 U	3.3 J
Perfluoropentanoic acid (PFPeA)	-	-	-	0.5 U	2 U	2.1 U	3.3 J	1.1 J	1.7 J	1 J	2.2 U	1.1 J	1.9 U	3.2 J
Perfluorohexanoic acid (PFHxA)	990	-	-	0.5 U	2 U	2.1 U	8.5	2.5 J	4.4	2.3 J	2.9 J	1.9 J	1.9 U	9.5
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.5 U	2 U	2.1 U	3.5 J	1.4 J	1.5 J	0.88 J	1.3 J	0.94 J	1.9 U	3.1 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.19 J	1 U	1 U	15	6.2	7.2	4.7 J	5.4	3.4 J	0.84 J	11.5
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	2 U	2.1 U	1 U	2.3 U	0.33 J	0.36 J	2.2 U	2.1 U	1.9 U	1 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	2 U	2.1 U	1 U	2.3 U	1 U	1 UJ	2.2 U	2.1 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	2 U	2.1 U	1 U	11 U	0.5 U	0.5 UJ	2.2 U	2.1 U	1.9 U	1 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	2 U	2.1 U	1 U	11 U	1 U	1 UJ	2.2 U	2.1 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	2 U	2.1 U	1 U	11 U	1 U	1 UJ	2.2 U	2.1 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	2 U	2.1 U	1 UJ	11 U	0.5 U	0.5 UJ	2.2 U	2.1 U	1.9 U	1 UJ
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.44 U	2 U	2.1 U	1 U	2.3 U	0.72 J	0.42 J	0.57 J	2.1 U	1.9 U	4.2
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.47 U	4 U	4.1 U	1.6 J	2.3 U	0.71 J	0.26 J	4.5 U	4.3 U	3.8 U	4.7
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.47 U	2 U	2.1 U	13.6	3.7 J	10	5.2 J	6.9	1.8 J	1.9 U	20.4
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	2 U	2.1 U	1 U	2.3 U	0.29 J	0.27 J	2.2 U	2.1 U	1.9 U	1 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.47 U	2 U	2.1 U	21.1	16.4	17	18 J	14.6	7.3	1.9 U	33.4
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	2 U	2.1 U	1 U	2.3 U	0.94 U	0.94 UJ	2.2 U	2.1 U	1.9 U	1 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	2 U	2.1 U	1 U	11 U	0.47 U	0.47 UJ	2.2 U	2.1 U	1.9 U	1 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	4 U	4.1 U	NA	NA	1 U	1 UJ	4.5 U	4.3 U	3.8 U	NA
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	8.1 U	8.2 U	2 U	4.5 U	1.9 U	1.9 UJ	9 U	8.5 U	7.7 U	2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	8.1 U	8.2 U	2 U	4.5 U	1.9 U	1.9 UJ	9 U	8.5 U	7.7 U	2 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	8.1 U	8.2 U	2 U	4.5 U	3.8 U	3.8 UJ	9 U	8.5 U	7.7 U	2 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	2 U	2.1 U	1 U	11 U	1 J	1.1 J	2.2 U	1.5 J	1.9 U	2.1 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	4 U	4.1 U	0 R	23 UJ	1 U	1 UJ	4.5 U	4.3 U	3.8 U	0 R
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	4 UJ	4.1 U	NA	NA	1 U	1 UJ	4.5 U	4.3 U	3.8 U	NA
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	4 U	4.1 U	2 U	23 UJ	0.48 J	1 UJ	4.5 U	4.3 U	3.8 U	2 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	4 U	4.1 U	2.1 J	23 UJ	1.7	2.2 J	2.5 J	3.7 J	3.8 U	6.5 J
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	20 U	21 U	NA	NA	2.5 U	2.5 UJ	22 UJ	21 U	19 U	NA
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	20 U	21 U	NA	NA	5 U	5 UJ	22 UJ	21 U	19 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	2 U	2.1 U	NA	NA	4 U	4 UJ	2.2 U	2.1 U	1.9 U	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	4 U	4.1 U	NA	NA	3.8 U	3.8 UJ	4.5 U	4.3 U	3.8 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	2 U	2.1 U	NA	NA	2 U	2 UJ	2.2 U	2.1 U	1.9 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	4 U	4.1 U	NA	NA	0.5 U	0.5 UJ	4.5 U	4.3 U	3.8 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	4 U	4.1 U	NA	NA	60 U	60 UJ	4.5 U	4.3 U	3.8 U	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	4 U	4.1 U	NA	NA	6.6 U	6.6 UJ	4.5 U	4.3 U	3.8 U	NA
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	4 U	4.1 U	NA	NA	6.6 U	6.6 UJ	4.5 U	4.3 U	3.8 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	2 U	2.1 U	NA	NA	3.1 U	3.1 UJ	2.2 U	2.1 U	1.9 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	10 U	10 U	NA	NA	8.8 U	8.8 UJ	11 U	11 U	9.6 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	20 U	21 U	NA	NA	31 U	31 UJ	22 U	21 U	19 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	20 U	21 U	NA	NA	31 U	31 UJ	22 U	21 U	19 U	NA
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	0.19	11 U	11.5 U	53.2	27.7	36.03	29.14	28.2	13.44	0.84	68.4

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				6										
Area:				03. Landfill No. 3										
Location ID:				JMW0980*					JMW0982*					
Sample ID:				LORNG_JMW0980_0	LORNG_JMW0980_0	LORNG_JMW0980_1	LORNG_JMW0980_0	LORNG_JMW0980_1	LORNG_JMW0982_0	LORNG_JMW0982_0	LORNG_JMW0982_0	LORNG_JMW0982_0	LORNG_JMW0982_1	LORNG_JMW0982_1
Sample Date:				8232022	6152023	0302023	6072024	0152024	5202022	8232022	5222023	5222023FD	0302023	0302023FD
Sample Depth (ft bgs):				51-61	51-61	51-61	51-61	51-61	20-30	20-30	20-30	20-30	20-30	20-30
Sample Type:				N	N	N	N	N	N	N	N	FD	N	FD
Latitude:				46.93412563	46.93412563	46.93412563	46.93412563	46.93412563	46.93594846	46.93594846	46.93594846	46.93594846	46.93594846	46.93594846
Longitude:				-67.93439707	-67.93439707	-67.93439707	-67.93439707	-67.93439707	-67.93637672	-67.93637672	-67.93637672	-67.93637672	-67.93637672	-67.93637672
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2.1 J	4.5 J	4.7 J	3.8 U	4 U	3.2 J	3.7 U	2.8 J	2.7 J	0.91 J	0.95 J
Perfluoropentanoic acid (PFPeA)	-	-	-	2.5 J	3.3	3 J	1.9 J	1.1 J	5.2	3 J	4.2	4.1	1.7 J	1.6 J
Perfluorohexanoic acid (PFHxA)	990	-	-	5.1	12	11	6	2.7 J	9.8	2.5 J	8.3	8.2	3.6	3.7
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.9 J	4.4	4.2	2.7 J	1 J	3.9	1.1 J	3.1	2.9	1.3 J	1.3 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	10.6	24	25	11.4	3.6 U	12.5	5.2	10	10	4.8	4.8
Perfluorononanoic acid (PFNA)	5.9	10	-	2 U	0.5 U	0.5 U	1.9 U	2 U	0.93 U	1.9 U	0.62 J	0.52 J	0.7 J	0.76 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	2 U	1 U	1 U	1.9 U	2 U	0.93 U	1.9 U	1 U	1 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	2 U	0.5 U	0.5 U	1.9 U	2 U	0.93 U	1.9 U	0.5 U	0.5 U	0.52 U	0.52 U
Perfluorododecanoic acid (PFDoA)	-	-	-	10 U	1 U	1 U	1.9 U	2 U	0.93 U	9.3 U	1 U	1 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	10 U	1 U	1 U	1.9 U	2 U	0.93 U	9.3 U	1 U	1 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	10 UJ	0.5 U	0.5 U	1.9 U	2 U	4.6 U	9.3 UJ	0.5 U	0.5 U	0.52 U	0.52 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	2 J	2.5	2.4	1.4 J	0.68 J	1 J	1.9 U	0.81 J	0.76 J	0.25 J	0.3 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.3 J	2.5	2.6	1.4 J	1.2 J	1.4 J	1.9 U	0.97 J	1 J	0.48 J	0.35 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	5.7	12	13	5.1	2 J	12.1	7.8	12	12	10	9.2
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	2 U	0.98 J	1.2 J	1.9 U	2 U	0.93 U	1.9 U	0.29 J	0.29 J	0.47 J	0.25 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	34	65	61	39.6	20.1	19	26.9	19	19	35	33
Perfluorononanesulfonic acid (PFNS)	-	-	-	2 U	0.94 U	0.95 U	1.9 U	2 U	0.93 U	1.9 U	0.94 U	0.94 U	0.97 U	0.97 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	2 U	0.47 U	0.47 U	1.9 U	2 U	0.93 U	1.9 U	0.47 U	0.47 U	0.49 U	0.48 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	1 U	1 U	3.8 U	4 U	NA	NA	1 U	1 U	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	4 U	1.9 U	1.9 U	7.6 U	8.1 U	1.9 U	3.7 U	1.9 U	1.9 U	2 U	2 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	4 U	3.2 J	1 J	7.6 U	8.1 U	1.9 U	1.9 J	1.8 J	1.8 J	3 J	3.2 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	4 U	3.8 U	3.8 U	7.6 U	8.1 U	1.9 U	3.7 U	3.8 U	3.8 U	3.9 U	3.9 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	10 U	3.2	2.5 J	2.4 J	2 U	0.93 U	1.7 J	1.1 J	0.96 J	1.7 J	1.6 J
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0 R	1 U	1 U	3.8 U	4 U	9.3 UJ	3.7 UJ	1 U	1 U	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	1 U	1 U	3.8 U	4 U	NA	NA	1 U	1 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	4 U	0.82 J	1 U	0.98 J	4 U	3.7 J	2.5 J	2.4	2.1	3	3.6
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	8.6	8.5	5.4	6.9	6.7	1.9 U	3.7 U	0.75 J	0.72 J	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	2.5 U	2.5 U	19 U	20 U	NA	NA	2.5 U	2.5 U	2.6 U	2.6 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	5 U	5 U	19 U	20 U	NA	NA	5 U	5 U	5.2 U	5.2 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	4 U	4 U	1.9 U	2 U	NA	NA	4 U	4 U	4.1 U	4.1 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	3.8 U	3.8 U	3.8 U	4 U	NA	NA	3.8 U	3.8 U	3.9 U	3.9 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	2 U	2 U	1.9 U	2 U	NA	NA	2 U	2 U	2.1 U	2.1 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	0.5 U	0.5 U	3.8 U	4 U	NA	NA	0.5 U	0.5 U	0.52 U	0.52 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	60 U	61 U	3.8 U	4 U	NA	NA	60 U	60 U	62 U	62 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	6.6 U	6.7 U	3.8 U	4 U	NA	NA	6.6 U	6.6 U	6.8 U	6.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	6.6 U	6.7 U	3.8 U	4 U	NA	NA	6.6 U	6.6 U	6.8 U	6.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	3.1 U	3.1 U	1.9 U	2 U	NA	NA	3.1 U	3.1 U	3.2 U	3.2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	8.8 U	8.9 U	9.5 U	10 U	NA	NA	8.8 U	8.8 U	9.1 U	9.1 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	31 U	31 U	19 U	20 U	NA	NA	31 U	31 U	32 U	32 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	31 U	31 U	19 U	20 U	NA	NA	31 U	31 U	32 U	32 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	52.2	105.4	103.2	58.8	23.1	47.5	41	44.72	44.42	51.8	49.06

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				6										
Area:				03. Landfill No. 3										
Location ID:				JMW0982*				JMW0991						
Sample ID:	LORNG_JMW0982_0	LORNG_JMW0982_0	LORNG_JMW0982_1	LORNG_JMW0982_1	LORNG_JMW0991-	LORNG_JMW0991_0	LORNG_JMW0991_0	LORNG_JMW0991_0	LORNG_JMW0991_0	LORNG_JMW0991_1	LORNG_JMW0991_0	LORNG_JMW0991_1	LORNG_JMW0991_0	LORNG_JMW0991_1
Sample Date:	5132024	5132024FD	0182024	0182024FD	10232021	5212022	8232022	5162023	0242023	5092024	0032024			
Sample Date:	5/13/2024	5/13/2024	10/18/2024	10/18/2024	10/23/2021	5/21/2022	8/23/2022	5/16/2023	10/24/2023	5/9/2024	10/3/2024			
Sample Depth (ft bgs):	20-30	20-30	20-30	20-30	50-60	46-56	46-56	46-56	46-56	46-56	46-56	46-56	46-56	46-56
Sample Type:	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N
Latitude:	46.93594846	46.93594846	46.93594846	46.93594846	46.93244992	46.93244992	46.93244992	46.93244992	46.93244992	46.93244992	46.93244992	46.93244992	46.93244992	46.93244992
Longitude:	-67.93637672	-67.93637672	-67.93637672	-67.93637672	-67.92919895	-67.92919895	-67.92919895	-67.92919895	-67.92919895	-67.92919895	-67.92919895	-67.92919895	-67.92919895	-67.92919895
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.7 J	3.1 J	4.2 U	4 U	2.08 U	1.9 U	4 U	1.8 J	1.4 J	3.8 U	4.5 U
Perfluoropentanoic acid (PFPeA)	-	-	-	1.6 J	1.8 J	2.1 U	2 U	2.68 J	1.7 J	3.7 J	1.5 J	1.6 J	1.3 J	2 J
Perfluorohexanoic acid (PFHxA)	990	-	-	3.2 J	3.5 J	0.56 J	0.78 J	3.57 J	2.7 J	3.1 J	3	2.8 J	2.4 J	3.3 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.8 J	2.3 J	2.1 U	2 U	1.75 J	0.99 J	1.2 J	1.1 J	1 J	1 J	1.2 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	5.5	5.5	1.1 J	1.3 J	7.97	6.5	7.4	6.1	5.6 J	4.6	6.5
Perfluorononanoic acid (PFNA)	5.9	10	-	0.71 J	0.82 J	2.1 U	2 U	2.08 U	0.93 U	2 U	0.23 J	0.22 J	1.9 U	2.3 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1.8 U	2.1 U	2 U	2.08 U	0.93 U	2 U	1 U	0.92 UJ	1.9 U	2.3 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	1.8 U	2.1 U	2 U	2.08 U	0.93 U	2 U	0.5 U	0.46 UJ	1.9 U	2.3 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1.8 U	2.1 U	2 U	2.08 U	0.93 U	2 U	1 U	0.92 UJ	1.9 U	2.3 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1.8 U	2.1 U	2 U	2.08 U	0.93 U	2 U	1 U	0.92 UJ	1.9 U	2.3 UJ
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	1.8 U	2.1 U	2 U	2.08 U	0.93 U	2 U	0.5 U	0.46 UJ	1.9 U	2.3 UJ
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.8 U	0.49 J	2.1 U	2 U	2.08 U	0.93 U	2 U	0.58 J	0.51 J	1.9 U	2.3 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.6 U	3.6 U	4.2 U	4 U	2.08 U	0.93 U	2 U	0.49 J	0.42 J	3.8 U	4.5 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	9.2	9.5	4.3	4.6	7.52	6.7	7.2	7.3	6.7 J	6.4	7.3
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.71 J	0.55 J	2.1 U	2 U	2.08 U	0.93 U	2 U	0.47 U	0.43 UJ	1.9 U	2.3 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	29.1	29.6	10.8	11	14.8	12.9	19.4	12	13 J	13.5	12.5 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	1.8 U	2.1 U	2 U	2.08 U	0.93 U	2 U	0.94 U	0.87 UJ	1.9 U	2.3 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	1.8 U	2.1 U	2 U	2.08 U	0.93 U	2 U	0.47 U	0.43 UJ	1.9 U	2.3 UJ
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	3.6 U	4.2 U	4 U	NA	NA	NA	1 U	0.92 UJ	3.8 U	4.5 UJ
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	7.3 U	8.3 U	7.9 U	2.08 U	1.9 U	4 U	1.9 U	1.7 UJ	7.7 U	9.1 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.3 U	7.3 U	8.3 U	7.9 U	2.08 U	1.9 U	4 U	1.9 U	1.7 UJ	7.7 U	9.1 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.3 U	7.3 U	8.3 U	7.9 U	2.08 U	1.9 U	4 U	3.8 U	3.5 UJ	7.7 U	9.1 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	2.7 J	2.4 J	1.1 J	2 U	28	0.93 U	2 U	0.32 J	0.28 J	1.9 U	2.3 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	3.6 U	4.2 U	4 U	10.4 U	1.9 UJ	0 R	1 U	0.92 UJ	3.8 U	4.5 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 UJ	3.6 UJ	4.2 U	4 U	NA	NA	NA	1 U	0.92 UJ	3.8 UJ	4.5 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	8.3	6.2	4.2 U	4 U	2.08 UJ	1.9 U	4 U	1 U	0.92 UJ	3.8 U	4.5 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1.8 J	1.9 J	4.2 U	4 U	2.08 U	1.9 U	4 U	1 U	0.92 UJ	3.8 U	4.5 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	18 U	21 U	20 U	NA	NA	NA	2.5 U	2.3 UJ	19 U	23 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	18 U	21 U	20 U	NA	NA	NA	5 U	4.6 UJ	19 U	23 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	1.8 U	2.1 U	2 U	NA	NA	NA	4 U	3.7 UJ	1.9 U	2.3 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	3.6 U	4.2 U	4 U	NA	NA	NA	3.8 U	3.5 UJ	3.8 U	4.5 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	1.8 U	2.1 U	2 U	NA	NA	NA	2 U	1.8 UJ	1.9 U	2.3 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	3.6 U	4.2 U	4 U	NA	NA	NA	0.5 U	0.46 UJ	3.8 U	4.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	3.6 U	4.2 U	4 U	NA	NA	NA	60 U	55 UJ	3.8 U	4.5 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	3.6 U	4.2 U	4 U	NA	NA	NA	6.6 U	6.1 UJ	3.8 U	4.5 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	3.6 U	4.2 U	4 U	NA	NA	NA	6.6 U	6.1 UJ	3.8 U	4.5 UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	1.8 U	2.1 U	2 U	NA	NA	NA	3.1 U	2.9 UJ	1.9 U	2.3 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	9.1 U	10 U	9.9 U	NA	NA	NA	8.8 U	8.1 UJ	9.6 U	11 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	18 U	21 U	20 U	NA	NA	NA	31 U	29 UJ	19 U	23 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	18 U	21 U	20 U	NA	NA	NA	31 U	29 UJ	19 U	23 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	46.31	47.72	16.2	16.9	32.04	27.09	35.2	26.73	26.52	25.5	27.5

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				6										
Area:				03. Landfill No. 3										
Location ID:				JMW0992						LF3MW3				
Sample ID:				LORNG_JMW0992_0	LORNG_JMW0992_0	LORNG_JMW0992_0	LORNG_JMW0992_1	LORNG_JMW0992_0	LORNG_JMW0992_0	LORNG_LF3MW3_05	LORNG_LF3MW3_08	LORNG_LF3MW3_05	LORNG_LF3MW3_05	LORNG_LF3MW3_10
Sample Date:				5212022	8302022	5162023	0162023	5072024	9302024	202022	292022	182023	182023FD	162023
Sample Depth (ft bgs):				80-95	80-95	80-95	80-95	80-95	80-95	57-67	57-67	57-67	57-67	57-67
Sample Type:				N	N	N	N	N	N	N	N	N	FD	N
Latitude:				46.93237235	46.93237235	46.93237235	46.93237235	46.93237235	46.93237235	46.93292901	46.93292901	46.93292901	46.93292901	46.93292901
Longitude:				-67.92914989	-67.92914989	-67.92914989	-67.92914989	-67.92914989	-67.92914989	-67.93068081	-67.93068081	-67.93068081	-67.93068081	-67.93068081
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2 U	4 U	0.99 J	0.7 J	4 U	4.1 U	1.9 U	4 U	2 U	2 U	1.8 U
Perfluoropentanoic acid (PFPeA)	-	-	-	1 U	2 U	0.4 J	0.26 J	2 U	2.1 U	0.93 U	2 U	0.5 U	0.5 U	0.45 U
Perfluorohexanoic acid (PFHxA)	990	-	-	1 U	2 U	0.49 J	0.43 J	2 U	2.1 U	0.93 U	2 U	0.5 U	0.5 U	0.45 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	1 U	2 U	0.25 J	0.24 J	2 U	2.1 U	0.93 U	2 U	0.5 U	0.5 U	0.45 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	1.1 J	1.4 J	1 J	1.3 J	0.5 U	1.4 J	0.93 U	2 U	0.25 U	0.25 U	0.23 U
Perfluorononanoic acid (PFNA)	5.9	10	-	1 U	2 U	0.5 U	0.45 U	2 U	2.1 U	0.93 U	2 U	0.5 U	0.5 U	0.45 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	2 U	1 U	0.91 U	2 U	2.1 U	0.93 U	2 U	1 U	1 U	0.91 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1 U	2 U	0.5 U	0.45 U	2 U	2.1 U	0.93 U	2 U	0.5 U	0.5 U	0.45 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	2 U	1 U	0.91 U	2 U	2.1 U	0.93 U	2 U	1 U	1 U	0.91 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	2 U	1 U	0.91 U	2 U	2.1 U	0.93 U	2 UJ	1 U	1 U	0.91 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1 U	2 U	0.5 U	0.45 U	2 U	2.1 U	0.93 U	2 UJ	0.5 U	0.5 U	0.45 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1 U	2 U	0.27 J	0.19 J	2 U	2.1 U	0.93 U	2 U	0.44 U	0.44 U	0.4 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1 U	2 U	0.47 U	0.43 U	4 U	4.1 U	0.93 U	2 U	0.47 U	0.47 U	0.43 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1 J	1.6 J	1.7	1.6	1.8 J	2.1 J	0.93 U	2 U	0.47 U	0.47 U	0.43 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1 U	2 U	0.47 U	0.43 U	2 U	2.1 U	0.93 U	2 U	0.47 U	0.47 U	0.43 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1 U	1.4 J	1.8	2.8	2 U	1.3 J	0.93 U	2 U	0.47 U	0.47 U	0.43 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	1 U	2 U	0.94 U	0.85 U	2 U	2.1 U	0.93 U	2 U	0.94 U	0.94 U	0.85 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1 U	2 U	0.47 U	0.43 U	2 U	2.1 U	0.93 U	2 U	0.47 U	0.47 U	0.43 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	1 U	0.91 U	4 U	4.1 U	NA	NA	1 U	1 U	0.91 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	2 U	4 U	1.9 U	1.7 U	8 U	8.2 U	1.9 U	4 U	1.9 U	1.9 U	1.7 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	2 U	4 U	1.9 U	1.7 U	8 U	8.2 U	1.9 U	4 U	1.9 U	1.9 U	1.7 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	2 U	4 U	3.8 U	3.5 U	8 U	8.2 U	1.9 U	4 U	3.8 U	3.8 U	3.5 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1 U	2 U	0.25 U	0.53 J	2 U	2.1 U	0.93 U	2 U	0.25 U	0.25 U	0.23 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	2 U	4 UJ	1 U	0.91 U	4 U	4.1 U	1.9 U	4 UJ	1 U	1 U	0.91 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	1 U	0.91 U	4 U	4.1 U	NA	NA	1 U	1 U	0.91 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	2 U	4 U	1 U	0.91 U	4 U	4.1 U	1.9 U	4 U	1 U	1 U	0.91 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	2 U	4 UJ	1 U	0.91 U	4 U	4.1 U	1.9 U	4 U	1 U	1 U	0.91 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	2.5 U	2.3 U	20 U	21 U	NA	NA	2.5 U	2.5 U	2.3 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	5 U	4.5 U	20 U	21 U	NA	NA	5 U	5 U	4.5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	4 U	3.6 U	2 U	2.1 U	NA	NA	4 U	4 U	3.6 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	3.8 U	3.5 U	4 U	4.1 U	NA	NA	3.8 U	3.8 U	3.5 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	2 U	1.8 U	2 U	2.1 U	NA	NA	2 U	2 U	1.8 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	0.5 U	0.45 U	4 U	4.1 U	NA	NA	0.5 U	0.5 U	0.45 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	60 U	55 U	4 U	4.1 U	NA	NA	60 U	60 U	55 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	6.6 U	6 U	4 U	4.1 U	NA	NA	6.6 U	6.6 U	6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	6.6 U	6 U	4 U	4.1 U	NA	NA	6.6 U	6.6 U	6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	3.1 U	2.8 U	2 U	2.1 U	NA	NA	3.1 U	3.1 U	2.8 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	8.8 U	8 U	10 U	10 U	NA	NA	8.8 U	8.8 U	8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	31 U	28 U	20 U	21 U	NA	NA	31 U	31 U	28 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	31 U	28 U	20 U	21 U	NA	NA	31 U	31 U	28 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	2.1	4.4	4.75	5.94	1.8	4.8	5.58 U	12 U	3.19 U	3.19 U	2.9 U

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				6										
Area:				03. Landfill No. 3										
Location ID:				LF3MW3					LF3MW4					
Sample ID:				LORNG_LF3MW3_10	LORNG_LF3MW3_05	LORNG_LF3MW3_05	LORNG_LF3MW3_10	LORNG_LF3MW3_10	LORNG_LF3MW4_05	LORNG_LF3MW4_08	LORNG_LF3MW4_05	LORNG_LF3MW4_10	LORNG_LF3MW4_05	LORNG_LF3MW4_10
Sample Date:				162023FD	162024	162024FD	012024	012024FD	202022	292022	182023	312023	092024	032024
Sample Depth (ft bgs):				10/16/2023	5/16/2024	5/16/2024	10/1/2024	10/1/2024	5/20/2022	8/29/2022	5/18/2023	10/31/2023	5/9/2024	10/3/2024
Sample Type:				57-67	57-67	57-67	57-67	57-67	26-36	26-36	26-36	26-36	26-36	26-36
Latitude:				FD	N	FD	N	FD	N	N	N	N	N	N
Longitude:				46.93292901	46.93292901	46.93292901	46.93292901	46.93292901	46.93293038	46.93293038	46.93293038	46.93293038	46.93293038	46.93293038
				-67.93068081	-67.93068081	-67.93068081	-67.93068081	-67.93068081	-67.93071338	-67.93071338	-67.93071338	-67.93071338	-67.93071338	-67.93071338
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	1.8 U	4.1 U	3.8 U	4 U	3.9 U	2.1 U	2.3 J	1.8 J	2.4 J	2.9 J	4.7 U
Perfluoropentanoic acid (PFPeA)	-	-	-	0.45 U	2.1 U	1.9 U	2 U	1.9 U	2.3 J	4.8	2.3 J	3 J	2.3 J	2.6 J
Perfluorohexanoic acid (PFHxA)	990	-	-	0.45 U	2.1 U	1.9 U	2 U	1.9 U	3.4 J	5	3.5	4.5	3.4 J	3.6 J
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.45 U	2.1 U	0.74 J	2 U	0.59 J	1.7 J	2.3 J	1.6	1.9	1.8 J	1.4 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.17 J	1 U	1.2 J	1 U	1.1 J	6.7	8.1	5.7	7.2	6.1	7
Perfluorononanoic acid (PFNA)	5.9	10	-	0.45 U	2.1 U	0.66 J	2 U	1.9 U	1 U	2 U	0.38 J	0.36 J	1.8 U	2.4 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	0.91 U	2.1 U	0.64 J	2 U	0.61 J	1 U	2 U	1 U	0.97 U	1.8 U	2.4 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.45 U	2.1 U	1.9 U	2 U	1.9 U	1 U	2 U	0.5 U	0.48 U	1.8 U	2.4 U
Perfluorododecanoic acid (PFDoA)	-	-	-	0.91 U	2.1 U	1.9 U	2 U	1.9 U	1 U	2 U	1 U	0.97 U	1.8 U	2.4 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	0.91 U	2.1 U	1.9 U	2 U	1.9 UJ	1 U	2 U	1 U	0.97 U	1.8 U	2.4 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.45 U	2.1 U	1.9 U	2 U	1.9 U	5.2 U	2 U	0.5 U	0.48 U	1.8 U	2.4 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.4 U	2.1 U	1.9 U	2 U	1.9 U	1.8 J	2 U	0.53 J	0.69 J	0.57 J	2.4 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.43 U	4.1 U	3.8 U	4 U	3.9 U	1 U	2 U	0.5 J	0.58 J	3.6 U	4.7 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.43 U	2.1 U	1.9 U	2 U	1.9 U	7	7.9	7	7.1	7.2	7.2
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.43 U	2.1 U	1.9 U	2 U	1.9 U	1 U	2 U	0.2 J	0.21 J	1.8 U	2.4 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.43 U	16.4	17.8	2 U	3.2 J	13.7	19.2	13	12	13.9	14.6
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.85 U	2.1 U	1.9 U	2 U	1.9 U	1 U	2 U	0.94 U	0.91 U	1.8 U	2.4 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.43 U	2.1 U	1.9 U	2 U	1.9 UJ	1 U	2 U	0.47 U	0.46 U	1.8 U	2.4 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	0.91 U	4.1 U	3.8 U	4 U	3.9 U	NA	NA	1 U	0.97 U	3.6 U	4.7 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.7 U	8.2 U	7.7 U	8 U	7.8 U	2.1 U	4 U	1.9 U	1.8 U	7.3 U	9.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.7 U	8.2 U	7.7 U	8 U	7.8 U	2.1 U	2.2 J	1.6 J	2.2 J	7.3 U	9.4 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.5 U	8.2 U	7.7 U	8 U	7.8 U	2.1 U	4 U	3.8 U	3.7 U	7.3 U	9.4 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.23 J	2.1 U	1.9 U	2 U	1.9 U	1 U	2 U	0.3 J	0.24 J	1.8 U	2.4 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	0.91 U	4.1 U	3.8 U	4 U	3.9 U	0 R	0 R	1 U	0.97 U	3.6 U	4.7 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	0.91 U	4.1 U	3.8 U	4 U	3.9 U	NA	NA	1 U	0.97 U	3.6 UJ	4.7 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	0.91 U	4.1 U	3.8 U	4 U	3.9 U	2.1 U	4 U	1 U	0.97 U	3.6 U	4.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	0.91 U	4.1 U	3.8 U	4 U	3.9 U	2.1 U	4 U	0.71 J	0.97 U	3.6 U	4.7 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.3 U	21 UJ	19 UJ	20 U	19 U	NA	NA	2.5 U	2.4 U	18 U	24 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	4.5 U	21 UJ	19 UJ	20 U	19 U	NA	NA	5 U	4.8 U	18 U	24 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	3.6 U	2.1 U	1.9 U	2 U	1.9 U	NA	NA	4 U	3.9 U	1.8 U	2.4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.5 U	4.1 U	3.8 U	4 U	3.9 U	NA	NA	3.8 U	3.7 U	3.6 U	4.7 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	2.1 U	1.9 U	2 U	1.9 UJ	NA	NA	2 U	1.9 U	1.8 U	2.4 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.45 U	4.1 U	3.8 U	4 U	3.9 U	NA	NA	0.5 U	0.48 U	3.6 U	4.7 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	55 U	4.1 U	3.8 U	4 U	3.9 U	NA	NA	60 U	58 U	3.6 U	4.7 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6 U	4.1 U	3.8 U	4 U	3.9 U	NA	NA	6.6 U	6.4 U	3.6 U	4.7 U
11-Chlororeicosafafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6 U	4.1 U	3.8 U	4 U	3.9 U	NA	NA	6.6 U	6.4 U	3.6 U	4.7 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	2.8 U	2.1 U	1.9 U	2 U	1.9 U	NA	NA	3.1 U	3 U	1.8 U	2.4 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8 U	10 U	9.6 U	10 U	9.7 U	NA	NA	8.8 U	8.5 U	9.1 U	12 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	28 U	21 U	19 U	20 U	19 U	NA	NA	31 U	30 U	18 U	24 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	28 U	21 U	19 U	20 U	19 U	NA	NA	31 U	30 U	18 U	24 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	0.17	16.4	21.04	11 U	5.5	29.1	37.5	27.68	28.56	29	30.2

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				6										
Area:				03. Landfill No. 3										
Location ID:				MMW0001	MMW0002						MMW0015			
Sample ID:				LORNG-MMW0001-	LORNG_MMW0002_	LORNG_MMW0002_	LORNG_MMW0002_	LORNG_MMW0002_	LORNG_MMW0002_	LORNG_MMW0002_	LORNG_MMW0015_	LORNG_MMW0015_	LORNG_MMW0015_	LORNG_MMW0015_
Sample Date:				10232021	05202022	08222022	05162023	10122023	05082024	10022024	05202022	08302022	05172023	10122023
Sample Depth (ft bgs):				99-100	25-45	25-45	25-45	25-45	25-45	25-45	40-50	40-50	40-50	40-50
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.9422642	46.94230743	46.94230743	46.94230743	46.94230743	46.94230743	46.94230743	46.93050891	46.93050891	46.93050891	46.93050891
Longitude:				-67.9409212	-67.9409242	-67.9409242	-67.9409242	-67.9409242	-67.9409242	-67.9409242	-67.92885375	-67.92885375	-67.92885375	-67.92885375
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	1.96 U	2 U	3.8 U	2 U	2 U	3.8 U	3.8 U	2 U	4 U	2 U	2 U
Perfluoropentanoic acid (PFPeA)	-	-	-	0.995 J	1 U	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	1 U	2 U	0.5 U	0.5 U
Perfluorohexanoic acid (PFHxA)	990	-	-	1.92 J	1 U	1.9 U	0.5 U	0.5 U	1.9 U	0.57 J	1 U	2 U	0.5 U	0.5 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.96 U	1 U	1.9 U	0.5 U	0.5 U	1.9 U	0.68 J	1 U	2 U	0.5 U	0.5 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	2.51 J	1 U	1.9 U	0.24 J	0.25 U	0.96 U	2 J	1 U	2 U	0.19 J	0.13 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.96 U	1 U	1.9 U	0.5 U	0.5 U	1.9 U	1.9 U	1 U	2 U	0.5 U	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.96 U	1 U	1.9 U	1 U	1 U	1.9 U	1.9 U	1 U	2 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.96 U	1 U	9.6 U	0.5 U	0.5 U	1.9 U	1.9 U	1 U	2 U	0.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.96 U	1 U	9.6 U	1 U	1 U	1.9 U	1.9 U	1 U	2 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.96 U	1 U	9.6 U	1 U	1 U	1.9 U	1.9 U	1 U	2 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.96 U	1 UJ	9.6 U	0.5 U	0.5 U	1.9 U	1.9 U	1 U	2 U	0.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.96 U	1 U	9.6 U	0.44 U	0.44 U	1.9 U	1.9 U	1 U	2 U	0.44 U	0.44 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	1.96 U	1 U	1.9 UJ	0.47 U	0.47 U	3.8 U	3.8 U	1 U	2 U	0.47 U	0.47 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	7.42	1 U	1.9 U	0.47 U	0.47 U	1.9 U	1.9 U	1 U	2 U	0.47 J	0.39 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.96 U	1 U	1.9 U	0.47 U	0.47 U	1.9 U	1.9 U	1 U	2 U	0.47 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	4.47	1 U	1.9 U	0.47 U	0.47 U	1.9 U	1.1 J	1 U	2 U	1.8	1.4 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.96 U	1 U	1.9 U	0.94 U	0.94 U	1.9 U	1.9 U	1 U	2 U	0.94 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.96 U	1 U	1.9 UJ	0.47 U	0.47 U	1.9 U	1.9 U	1 U	2 U	0.47 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	NA	NA	NA	1 U	1 U	3.8 U	3.8 U	NA	NA	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.96 U	2 U	3.8 U	1.9 U	1.9 U	7.7 U	7.7 U	2 U	4 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.96 U	2 U	3.2 J	1.9 U	1.9 U	7.7 U	7.7 U	2 U	4 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	1.96 U	2 U	3.8 U	3.8 U	3.8 U	7.7 U	7.7 U	2 U	4 U	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	5.91 J	1 U	1.9 U	0.25 U	0.25 U	1.9 U	1.9 U	1 U	2 U	0.25 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	9.8 U	2 UJ	0 R	1 U	1 U	3.8 U	3.8 U	2 U	4 U	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	NA	NA	NA	1 U	1 U	3.8 UJ	3.8 U	NA	NA	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	0 R	2 UJ	3.8 U	1 U	1 U	3.8 U	3.8 U	2 U	4 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1.96 U	2 U	3.8 U	1 U	1 U	3.8 U	3.8 U	2 U	4 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	NA	NA	NA	2.5 U	2.5 U	19 U	19 U	NA	NA	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	NA	NA	NA	5 U	5 U	19 U	19 U	NA	NA	5 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	NA	NA	NA	4 U	4 U	1.9 U	1.9 U	NA	NA	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	NA	NA	NA	3.8 U	3.8 U	3.8 U	3.8 U	NA	NA	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	NA	NA	NA	2 U	2 U	1.9 U	1.9 U	NA	NA	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	NA	NA	NA	0.5 U	0.5 U	3.8 U	3.8 U	NA	NA	0.5 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	NA	NA	NA	60 U	60 U	3.8 U	3.8 U	NA	NA	60 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	NA	NA	NA	6.6 U	6.6 U	3.8 U	3.8 U	NA	NA	6.6 U	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	NA	NA	NA	6.6 U	6.6 U	3.8 U	3.8 U	NA	NA	6.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	NA	NA	NA	3.1 U	3.1 U	1.9 U	1.9 U	NA	NA	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	NA	NA	NA	8.8 U	8.8 U	9.6 U	9.6 U	NA	NA	8.8 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	NA	NA	NA	31 U	31 U	19 U	19 U	NA	NA	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	NA	NA	NA	31 U	31 U	19 U	19 U	NA	NA	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	14.4	6 U	11.4 U	0.24	3.19 U	10.46 U	3.78	6 U	12 U	2.46	1.92

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				6										
Area:				03. Landfill No. 3										
Location ID:				MMW0015		MMW0018B								WEST01
Sample ID:				LORNG_MMW0015_	LORNG_MMW0015_	LORNG_MMW0018B	LORNG_MMW0018B	LORNG_MMW0018B	LORNG_MMW0018B	LORNG_MMW0018B	LORNG_MMW0018B	LORNG_MMW0018B	LORNG_MMW0018B	LORNG_MMW0018B
Sample Date:				05082024	10022024	05212022	08302022	05172023	10242023	05072024	05072024FD	09302024	09302024FD	232024
Sample Depth (ft bgs):				40-50	40-50	56-66	56-66	56-66	56-66	56-66	56-66	56-66	56-66	85-95
Sample Type:				N	N	N	N	N	N	N	FD	N	FD	N
Latitude:				46.93050891	46.93050891	46.93088512	46.93088512	46.93088512	46.93088512	46.93088512	46.93088512	46.93088512	46.93088512	46.92868478
Longitude:				-67.92885375	-67.92885375	-67.92703182	-67.92703182	-67.92703182	-67.92703182	-67.92703182	-67.92703182	-67.92703182	-67.92703182	-67.92896164
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.7 U	3.6 U	2 U	3.9 U	2 U	1.9 UJ	4 U	4 U	4.3 U	4.3 U	19.4
Perfluoropentanoic acid (PFPeA)	-	-	-	1.9 U	1.8 U	1 U	2 U	0.5 U	0.47 UJ	2 U	2 U	2.2 U	2.2 U	56.6
Perfluorohexanoic acid (PFHxA)	990	-	-	1.9 U	1.8 U	1 U	2 U	0.15 J	0.47 UJ	2 U	2 U	2.2 U	2.2 U	57.1
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.9 U	1.8 U	1 U	2 U	0.5 U	0.47 UJ	2 U	2 U	2.2 U	2.2 U	15.1
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.65 J	0.91 U	1 U	2 U	0.43 J	0.24 J	0.99 U	0.99 U	1.1 U	1.1 U	18.6
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	1.8 U	1 U	2 U	0.5 U	0.47 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.8 U	1 U	2 U	1 U	0.93 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.8 U	1 U	2 U	0.5 U	0.47 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.8 U	1 U	2 U	1 U	0.93 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.8 U	1 U	2 U	1 U	0.93 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.8 U	1 U	2 U	0.5 U	0.47 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 U	1.8 U	1 U	2 U	0.44 U	0.41 UJ	2 U	2 U	2.2 U	2.2 U	32.2
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.7 U	3.6 U	1 U	2 U	0.47 U	0.44 UJ	4 U	4 U	4.3 U	4.3 U	27.8
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.7 J	1.8 U	1 U	2 U	0.53 J	0.65 J	0.73 J	0.92 J	2.2 U	2.2 U	102
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	1.8 U	1 U	2 U	0.47 U	0.44 UJ	2 U	2 U	2.2 U	2.2 U	3.7 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.9 U	0.89 J	3.3 J	3.2 J	4.1	2.9 J	5.6	4.8	2.6 J	2.6 J	4.7
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.8 U	1 U	2 U	0.94 U	0.88 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.8 U	1 U	2 U	0.47 U	0.44 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.7 U	3.6 U	NA	NA	1 U	0.93 UJ	4 U	4 U	4.3 U	4.3 U	4.5 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.5 U	7.3 U	2 U	3.9 U	1.9 U	1.8 UJ	7.9 U	7.9 U	8.6 U	8.7 U	9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.5 U	7.3 U	2 U	3.9 U	1.9 U	1.8 UJ	7.9 U	7.9 U	8.6 U	8.7 U	9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.5 U	7.3 U	2 U	3.9 U	3.8 U	3.6 UJ	7.9 U	7.9 U	8.6 U	8.7 U	9 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	1.8 U	1 U	9.8 UJ	0.25 U	0.23 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.7 U	3.6 U	2 U	0 R	1 U	0.93 UJ	4 U	4 U	4.3 U	4.3 U	4.5 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.7 U	3.6 U	NA	NA	1 U	0.93 UJ	4 UJ	4 UJ	4.3 U	4.3 U	4.5 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.7 U	3.6 U	2 U	20 UJ	1 U	0.93 UJ	4 U	4 U	4.3 U	4.3 U	4.5 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.7 U	3.6 U	2 U	3.9 UJ	1 U	0.93 UJ	4 U	4 U	4.3 U	4.3 U	4.5 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	18 U	NA	NA	2.5 U	2.3 UJ	20 U	20 U	22 U	22 U	22 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	18 U	NA	NA	5 U	4.7 UJ	20 U	20 U	22 U	22 U	22 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	1.8 U	NA	NA	4 U	3.7 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.7 U	3.6 U	NA	NA	3.8 U	3.6 UJ	4 U	4 U	4.3 U	4.3 U	4.5 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.8 U	NA	NA	2 U	1.9 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.7 U	3.6 U	NA	NA	0.5 U	0.47 UJ	4 U	4 U	4.3 U	4.3 U	4.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.7 U	3.6 U	NA	NA	60 U	56 UJ	4 U	4 U	4.3 U	4.3 U	4.5 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.7 U	3.6 U	NA	NA	6.6 U	6.2 UJ	4 U	4 U	4.3 U	4.3 U	4.5 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.7 U	3.6 U	NA	NA	6.6 U	6.2 UJ	4 U	4 U	4.3 U	4.3 U	4.5 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	1.8 U	NA	NA	3.1 U	2.9 UJ	2 U	2 U	2.2 U	2.2 U	2.2 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.3 U	9.1 U	NA	NA	8.8 U	8.2 UJ	9.9 U	9.9 U	11 U	11 U	11 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	18 U	NA	NA	31 U	29 UJ	20 U	20 U	22 U	22 U	22 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	18 U	NA	NA	31 U	29 UJ	20 U	20 U	22 U	22 U	22 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	1.35	0.89	3.3	3.2	5.06	3.79	6.33	5.72	2.6	2.6	140.4

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				Outside of flow fields										
Area:				20. B-52 Crash						24. FJETC	Greenlaw Brook Drainage			16. Fuel Tank Farm
Location ID:				JMW0010		BW20003	BW20005	OW20008	OW20009	BW24001	GB_BW001	GB_BW002	GB_OW001	UNK-23001
Sample ID:				LORNG_JMW0010_0	LORNG_JMW0010_0	LORNG_BW20003_1	LORNG_BW20005_1	LORNG_OW20008_1	LORNG_OW20009_1	LORNG_BW24001_1	LORNG_GB_BW001_	LORNG_GB_BW002_	LORNG_GB_OW001_	LORNG_UNK-
Sample Date:				6132024	9252024	0162024	0172024	0162024	0172024	0212024	10172024	12272024	10182024	23001_06082023
Sample Depth (ft bgs):				6/13/2024	9/25/2024	10/16/2024	10/17/2024	10/16/2024	10/17/2024	10/21/2024	10/17/2024	12/27/2024	10/18/2024	6/8/2023
Sample Type:				37-47	37-47	82-92	117-137	23-33	6-16	88-98	40-50	42-52	12-22	3-13
Latitude:				N	N	N	N	N	N	N	N	N	N	N
Longitude:				46.975917	46.975917	46.97582445	46.97557647	46.97583778	46.97557801	46.96530494	46.91882939	46.91518303	46.91885992	46.925042
				-67.898642	-67.898642	-67.89396234	-67.87796012	-67.89395846	-67.87792517	-67.89663885	-67.89527838	-67.91956295	-67.89527596	-67.87561199
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	23.2	3.7 U	4.1 U	3.8 U	2 U
Perfluoropentanoic acid (PFPeA)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	9.6	1.9 U	2 U	1.9 U	0.5 U
Perfluorohexanoic acid (PFHxA)	990	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	12.5	1.9 U	2 U	1.9 U	0.5 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	4.3	1.9 U	2 U	1.9 U	0.5 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.94 U	0.89 U	0.95 U	0.93 U	0.96 U	1 U	8.9	0.93 U	1 U	0.96 U	0.13 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.3 J	1.9 U	2 U	1.9 U	0.5 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	3.2 J	1.9 U	2 U	1.9 U	0.44 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	3.3 J	3.7 U	4.1 U	3.8 U	0.47 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	60.2	1.9 U	2 U	1.9 U	0.47 U
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.3 J	1.9 U	2 U	1.9 U	0.47 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	34.6	1.9 U	1.3 J	1.9 U	0.47 U
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	4.1 U	3.7 U	4.1 U	3.8 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.5 U	7.1 U	7.6 U	7.5 U	7.7 U	8 U	8.2 U	7.4 U	8.2 U	7.7 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.5 U	7.1 U	7.6 U	7.5 U	7.7 U	8 U	8.2 U	7.4 U	8.2 U	7.7 U	1.1 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.5 U	7.1 U	7.6 U	7.5 U	7.7 U	8 U	8.2 U	7.4 U	8.2 U	7.7 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	0.25 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	4.1 U	3.7 U	4.1 U	3.8 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	4.1 U	3.7 U	4.1 U	3.8 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	4.1 U	3.7 U	4.1 U	3.8 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	4.1 U	3.7 U	4.1 U	3.8 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	19 U	18 U	19 U	19 U	19 U	20 U	20 U	19 U	20 U	19 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	19 U	18 U	19 U	19 U	19 U	20 U	20 U	19 U	20 U	19 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	4.1 U	3.7 U	4.1 U	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	4.1 U	3.7 U	4.1 U	3.8 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	4.1 U	3.7 U	4.1 U	3.8 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	4.1 U	3.7 U	4.1 U	3.8 U	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.8 U	3.6 U	3.8 U	3.7 U	3.8 U	4 U	4.1 U	3.7 U	4.1 U	3.8 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.9 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	2 U	1.9 U	2 U	1.9 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.4 U	8.9 U	9.5 U	9.3 U	9.6 U	10 U	10 U	9.3 U	10 U	9.6 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	19 U	18 U	19 U	19 U	19 U	20 U	20 U	19 U	20 U	19 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	19 U	18 U	19 U	19 U	19 U	20 U	20 U	19 U	20 U	19 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	10.44 U	9.89 U	10.45 U	10.43 U	10.46 U	11 U	109.3	10.43 U	1.3	10.46 U	0.13

Notes

See Table 1-1 for notes and Table 1-3 for information about screening levels.

* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				Outside of flow fields										
Area:				16. Fuel Tank Farm		North Wherry								
Location ID:				UNK-23001		USMW003		USMW004				USMW012	USMW013	
Sample ID:				LORNG_UNK-23001_10092023	LORNG_UNK-23001_05072024	LORNG_USMW003_06042024	LORNG_USMW003_09202024	LORNG_USMW004_06082023	LORNG_USMW004_06082023FD	LORNG_USMW004_10062023	LORNG_USMW004_05022024	LORNG_USMW012_06182024	LORNG_USMW013_06082023	LORNG_USMW013_10162023
Sample Date:				10/9/2023	5/7/2024	6/4/2024	9/20/2024	6/8/2023	6/8/2023	10/6/2023	5/2/2024	6/18/2024	6/8/2023	10/16/2023
Sample Depth (ft bgs):				3-13	3-13	16-26	16-26	17-27	17-27	17-27	17-27	20-30	17-27	17-27
Sample Type:				N	N	N	N	N	FD	N	N	N	N	N
Latitude:				46.925042	46.925042	46.94359658	46.94359658	46.94477074	46.94477074	46.94477074	46.94477074	46.94034181	46.94202992	46.94202992
Longitude:				-67.87561199	-67.87561199	-67.92387368	-67.92387368	-67.9246462	-67.9246462	-67.9246462	-67.9246462	-67.92848704	-67.92855187	-67.92855187
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	2 U	3.6 U	3.8 U	3.8 U	2 U	2 U	2 U	4 U	3.9 U	2 U	0.58 J
Perfluoropentanoic acid (PFPeA)	-	-	-	0.5 U	1.8 U	1.9 U	1.9 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.41 J
Perfluorohexanoic acid (PFHxA)	990	-	-	0.5 U	1.8 U	1.9 U	1.9 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.82 J	2
Perfluoroheptanoic acid (PFHpA)	-	-	-	0.5 U	1.8 U	1.9 U	1.9 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.29 J	0.61 J
Perfluorooctanoic acid (PFOA)	0.0027	4	-	0.19 J	0.91 U	0.94 U	0.94 U	0.25 U	0.28 J	0.4 J	1 U	1.1 J	5	8.9
Perfluorononanoic acid (PFNA)	5.9	10	-	0.5 U	1.8 U	1.9 U	1.9 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.24 J
Perfluorodecanoic acid (PFDA)	0.004	-	-	1 U	1.8 U	1.9 U	1.9 UJ	1 U	1 U	1 U	2 U	2 U	1 U	1 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	0.5 U	1.8 U	1.9 U	1.9 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.5 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1 U	1.8 U	1.9 U	1.9 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1 U	1.8 U	1.9 U	1.9 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	0.5 U	1.8 U	1.9 U	1.9 U	0.5 U	0.5 U	0.5 U	2 U	2 U	0.5 U	0.5 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	0.44 U	1.8 U	1.9 U	1.9 U	0.44 U	0.16 J	0.44 U	2 U	2 U	0.31 J	0.55 J
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	0.47 U	3.6 U	3.8 U	3.8 U	0.47 U	0.47 U	0.47 U	4 U	3.9 U	0.47 U	0.41 J
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	0.47 U	1.8 U	1.1 J	1.5 J	1.3 J	1.3 J	1.1 J	0.75 J	0.72 J	16	34
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	0.47 U	1.8 U	1.9 U	1.9 U	0.47 U	0.47 U	0.47 U	2 U	2 U	0.47 U	0.46 J
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	0.47 U	1.8 U	1.2 J	1.2 J	0.47 U	0.95 J	0.83 J	2 U	1.8 J	14	21
Perfluorononanesulfonic acid (PFNS)	-	-	-	0.94 U	1.8 U	1.9 U	1.9 U	0.94 U	0.94 U	0.94 U	2 U	2 U	0.94 U	0.94 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	0.47 U	1.8 U	1.9 UJ	1.9 U	0.47 U	0.47 U	0.47 U	2 U	2 U	0.47 U	0.47 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	1 U	3.6 U	3.8 U	3.8 U	1 U	1 U	1 U	4 U	3.9 U	1 U	1 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	1.9 U	7.3 U	7.5 U	7.5 U	1.9 U	1.9 U	1.9 U	8 U	7.8 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	1.9 U	7.3 U	7.5 U	7.5 U	1.9 U	1.9 U	1.9 U	8 U	7.8 U	1.9 U	1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	3.8 U	7.3 U	7.5 U	7.5 U	3.8 U	3.8 U	3.8 U	8 U	7.8 U	3.8 U	3.8 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	0.25 U	1.8 U	1.9 U	1.9 U	0.25 U	0.25 U	0.25 U	2 U	2 U	1.5 J	1.7
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	1 U	3.6 U	3.8 U	3.8 U	1 U	1 U	1 U	4 U	3.9 UJ	1 U	1 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	1 U	3.6 UJ	3.8 U	3.8 U	1 U	1 U	1 U	4 UJ	3.9 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	1 U	3.6 U	3.8 U	3.8 U	1 U	1 U	1 U	4 U	3.9 U	1 U	1 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	1 U	3.6 U	3.8 U	3.8 U	1 U	1 U	1 U	4 U	3.9 U	1 U	1 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	2.5 U	18 U	19 UJ	19 U	2.5 U	2.5 U	2.5 U	20 U	20 U	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	5 U	18 U	19 UJ	19 U	5 U	5 U	5 U	20 U	20 U	5 U	5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	4 U	1.8 U	1.9 U	1.9 U	4 U	4 U	4 U	2 U	2 U	4 U	4 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.8 U	3.6 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	4 U	3.9 U	3.8 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	2 U	1.8 U	1.9 U	1.9 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	0.5 U	3.6 U	3.8 U	3.8 U	0.5 U	0.5 U	0.5 U	4 U	3.9 U	0.5 U	0.5 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	60 U	3.6 U	3.8 U	3.8 U	60 U	60 U	60 U	4 U	3.9 U	60 U	60 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	6.6 U	3.6 U	3.8 U	3.8 U	6.6 U	6.6 U	6.6 U	4 U	3.9 U	6.6 U	6.6 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	6.6 U	3.6 U	3.8 U	3.8 U	6.6 U	6.6 U	6.6 U	4 U	3.9 U	6.6 U	6.6 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	3.1 U	1.8 U	1.9 U	1.9 U	3.1 U	3.1 U	3.1 U	2 U	2 U	3.1 U	3.1 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	8.8 U	9.1 U	9.4 U	9.4 U	8.8 U	8.8 U	8.8 U	10 U	9.8 U	8.8 U	8.8 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	31 U	18 U	19 U	19 U	31 U	31 U	31 U	20 U	20 U	31 U	31 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	31 U	18 U	19 U	19 U	31 U	31 U	31 U	20 U	20 U	31 U	31 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	0.19	9.91 U	2.3	2.7	1.3	2.53	2.33	0.75	3.62	35.29	64.75

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.

Table 4-2
Groundwater PFAS Analytical Results

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

Flow Field:				Outside of flow fields										
Area:				North Wherry										
Location ID:				USMW013	USMW015				USMW019			USMW024		
Sample ID:				LORNG_USMW013_	LORNG_USMW015_	LORNG_USMW015_	LORNG_USMW015_	LORNG_USMW015_	LORNG_USMW019_	LORNG_USMW019_	LORNG_USMW019_	LORNG_USMW024_	LORNG_USMW024_	LORNG_USMW024_
Sample Date:				05142024	06082023	10052023	05032024	06082023	10112023	05152024	06082023	10122023	05032024	09202024
Sample Depth (ft bgs):				17-27	10-20	10-20	10-20	31-41	31-41	31-41	7-27	7-27	7-27	7-27
Sample Type:				N	N	N	N	N	N	N	N	N	N	N
Latitude:				46.94202992	46.94474441	46.94474441	46.94474441	46.94063941	46.94063941	46.94063941	46.94348974	46.94348974	46.94348974	46.94348974
Longitude:				-67.92855187	-67.92785018	-67.92785018	-67.92785018	-67.92391453	-67.92391453	-67.92391453	-67.92861001	-67.92861001	-67.92861001	-67.92861001
Analyte	USEPA Tapwater RSL (ng/L)	MCL (ng/L)	Maine Sum of 6 MCL (ng/L)	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1800	-	-	3.6 U	2 U	2 U	3.6 U	2 U	1.8 UJ	3.8 U	0.6 J	0.69 J	3.6 U	3.8 U
Perfluoropentanoic acid (PFPeA)	-	-	-	1.8 U	0.5 U	0.5 U	1.8 U	0.5 U	0.45 UJ	1.9 U	0.25 J	0.5 U	1.8 U	1.9 U
Perfluorohexanoic acid (PFHxA)	990	-	-	0.89 J	0.5 U	0.5 U	1.8 U	0.18 J	0.19 J	1.9 U	0.25 J	0.15 J	1.8 U	1.9 U
Perfluoroheptanoic acid (PFHpA)	-	-	-	1.8 U	0.5 U	0.5 U	1.8 U	0.29 J	0.45 UJ	1.9 U	0.23 J	0.2 J	1.8 U	1.9 U
Perfluorooctanoic acid (PFOA)	0.0027	4	-	3.5 J	0.25 U	0.21 J	0.91 U	0.76 J	0.47 J	1 J	1.1 J	0.89 J	0.75 J	0.83 J
Perfluorononanoic acid (PFNA)	5.9	10	-	1.8 U	0.5 U	0.5 U	1.8 U	0.5 U	0.45 UJ	1.9 U	0.18 J	0.18 J	1.8 U	1.9 U
Perfluorodecanoic acid (PFDA)	0.004	-	-	1.8 U	1 U	1 U	1.8 U	1 U	0.9 UJ	1.9 U	1 U	1 U	1.8 U	1.9 U
Perfluoroundecanoic acid (PFUnA)	-	-	-	1.8 U	0.5 U	0.5 U	1.8 U	0.5 U	0.45 UJ	1.9 U	0.5 U	0.5 U	1.8 U	1.9 U
Perfluorododecanoic acid (PFDoA)	-	-	-	1.8 U	1 U	1 U	1.8 U	1 U	0.9 UJ	1.9 U	1 U	1 U	1.8 U	1.9 U
Perfluorotridecanoic acid (PFTriDA)	-	-	-	1.8 U	1 U	1 U	1.8 U	1 U	0.9 UJ	1.9 U	1 U	1 U	1.8 U	1.9 U
Perfluorotetradecanoic acid (PFTeDA)	-	-	-	1.8 U	0.5 U	0.5 U	1.8 U	0.5 U	0.45 UJ	1.9 U	0.5 U	0.5 U	1.8 U	1.9 U
Perfluorobutanesulfonic acid (PFBS)	600	-	-	1.8 U	0.44 U	0.44 U	1.8 U	0.2 J	0.28 J	1.9 U	0.27 J	0.45 J	1.8 U	1.9 U
Perfluoropentanesulfonic acid (PFPeS)	-	-	-	3.6 U	0.47 U	0.47 U	3.6 U	0.47 U	0.42 UJ	3.8 U	0.47 U	0.47 U	3.6 U	3.8 U
Perfluorohexanesulfonic acid (PFHxS)	39	10	-	10	0.47 U	0.47 U	1.8 U	0.44 J	0.79 J	1.9 U	0.83 J	1.1 J	0.66 J	0.73 J
Perfluoroheptanesulfonic acid (PFHpS)	-	-	-	1.8 U	0.47 U	0.47 U	1.8 U	0.47 U	0.42 UJ	1.9 U	0.47 U	0.47 U	1.8 U	1.9 U
Perfluorooctanesulfonic acid (PFOS)	0.2	4	-	10.6	0.47 U	1.3 J	0.77 J	2.8	2.7 J	2.5 J	4.9	3.8	2.8 J	3.5 J
Perfluorononanesulfonic acid (PFNS)	-	-	-	1.8 U	0.94 U	0.94 U	1.8 U	0.94 U	0.85 UJ	1.9 U	0.94 U	0.94 U	1.8 U	1.9 U
Perfluorodecanesulfonic acid (PFDS)	-	-	-	1.8 U	0.47 U	0.47 U	1.8 U	0.47 U	0.42 UJ	1.9 U	0.47 U	0.47 U	1.8 U	1.9 U
Perfluorododecanesulfonic acid (PFDoS)	-	-	-	3.6 U	1 U	1 U	3.6 U	1 U	0.9 UJ	3.8 U	1 U	1 U	3.6 U	3.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	-	-	7.3 U	1.9 U	1.9 U	7.3 U	1.9 U	1.7 UJ	7.5 U	1.9 U	1.9 U	7.3 U	7.6 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	-	-	7.3 U	1.9 U	1.9 U	7.3 U	5.2 J	1.7 UJ	7.5 U	1.9 U	1.9 U	7.3 U	7.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	-	-	7.3 U	3.8 U	3.8 U	7.3 U	3.8 U	3.4 UJ	7.5 U	3.8 U	3.8 U	7.3 U	7.6 U
Perfluorooctane sulfonamide (PFOSA)	-	-	-	1.8 U	0.25 U	0.25 U	1.8 U	0.25 U	0.23 UJ	1.9 U	0.25 U	0.25 U	1.8 U	1.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	-	-	3.6 U	1 U	1 U	3.6 U	1 U	0.9 UJ	3.8 U	1 U	1 U	3.6 U	3.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	-	-	3.6 UJ	1 U	1 U	3.6 U	1 U	0 R	3.8 UJ	1 U	1 U	3.6 UJ	3.8 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	-	-	3.6 U	1 U	1 U	3.6 U	1 U	0.9 UJ	3.8 U	1 U	1 U	3.6 U	3.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	-	-	3.6 U	1 U	1 U	3.6 U	1 U	0.9 UJ	3.8 U	1 U	1 U	3.6 U	3.8 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	-	-	18 U	2.5 U	2.5 U	18 U	2.5 U	2.3 UJ	19 U	2.5 U	2.5 U	18 U	19 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	-	-	18 U	5 U	5 U	18 U	5 U	4.5 UJ	19 U	5 U	5 U	18 U	19 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	-	1.8 U	4 U	4 U	1.8 U	4 U	3.6 UJ	1.9 U	4 U	4 U	1.8 U	1.9 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	-	-	3.6 U	3.8 U	3.8 U	3.6 U	3.8 U	3.4 UJ	3.8 U	3.8 U	3.8 U	3.6 U	3.8 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	-	-	1.8 U	2 U	2 U	1.8 U	2 U	1.8 UJ	1.9 U	2 U	2 U	1.8 U	1.9 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	-	-	3.6 U	0.5 U	0.5 U	3.6 U	0.5 U	0.45 UJ	3.8 U	0.5 U	0.5 U	3.6 U	3.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	-	-	3.6 U	60 U	60 U	3.6 U	60 U	54 UJ	3.8 U	60 U	60 U	3.6 U	3.8 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	-	-	3.6 U	6.6 U	6.6 U	3.6 U	6.6 U	5.9 UJ	3.8 U	6.6 U	6.6 U	3.6 U	3.8 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	-	-	3.6 U	6.6 U	6.6 U	3.6 U	6.6 U	5.9 UJ	3.8 U	6.6 U	6.6 U	3.6 U	3.8 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	-	-	1.8 U	3.1 U	3.1 U	1.8 U	3.1 U	2.8 UJ	1.9 U	3.1 U	3.1 U	1.8 U	1.9 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	-	-	9.1 U	8.8 U	8.8 U	9.1 U	8.8 U	7.9 UJ	9.4 U	8.8 U	8.8 U	9.1 U	9.5 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	-	-	18 U	31 U	31 U	18 U	31 U	28 UJ	19 U	31 U	31 U	18 U	19 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	-	-	18 U	31 U	31 U	18 U	31 U	28 UJ	19 U	31 U	31 U	18 U	19 U
Maine Sum of 6 (PFOA, PFOS, PFHxS, PFNA, PFHpA, PFDA)	-	-	20	24.1	3.19 U	1.51	0.77	4.29	3.96	3.5	7.24	6.17	4.21	5.06

Notes
See Table 1-1 for notes and Table 1-3 for information about screening levels.
* = Well selected for source area evaluation due to no soil sample collected within the respective source area.