

APPENDIX O

STATISTICAL ANALYSIS

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	01. Fire Training Area				
	Flow Field:	1				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	59	0	-	0.00033	0.0079
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	116	29	-	0.00021	0.113
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	116	0	-	0.00033	0.0079
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	116	10	-	0.00016	0.0079
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	59	0	-	0.0036	0.039
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	59	0	-	0.0036	0.039
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	59	0	-	0.00033	0.0079
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	59	0	-	0.00033	0.0063
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	59	0	-	0.00033	0.0079
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	59	0	0	0.00017	0.0063
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	59	0	-	0.000044	0.0031
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	116	1	-	0.00014	0.0064
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	59	7	-	0.00044	0.016
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	116	2	-	0.000087	0.0089
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	116	1	-	0.00014	0.0064
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	59	0	-	0.00066	0.016
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	59	0	-	0.00087	0.0063
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	59	0	-	0.00022	0.0031
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	59	0	-	0.000087	0.0031
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	59	0	-	0.00017	0.0031
Perfluorobutanesulfonic acid (PFBS)	1.9	116	18	0	0.000027	0.0031
Perfluorobutanoic acid (PFBA)	7.8	116	26	0	0.000086	0.0063
Perfluorodecanesulfonic acid (PFDS)	-	116	16	-	0.000065	0.0068
Perfluorodecanoic acid (PFDA)	0.000013	116	13	13	0.000044	0.0045
Perfluorododecanesulfonic acid (PFDoS)	-	59	1	-	0.00014	0.0031
Perfluorododecanoic acid (PFDoA)	-	116	5	-	0.000048	0.0031
Perfluoroheptanesulfonic acid (PFHpS)	-	116	18	-	0.00006	0.167
Perfluoroheptanoic acid (PFHpA)	-	116	36	-	0.000043	0.0031
Perfluorohexanesulfonic acid (PFHxS)	0.13	116	73	1	0.000023	0.607
Perfluorohexanoic acid (PFHxA)	3.2	116	41	0	0.000032	0.0082
Perfluorononanesulfonic acid (PFNS)	-	116	16	-	0.000058	0.0175
Perfluorononanoic acid (PFNA)	0.019	116	34	0	0.000043	0.0086
Perfluorooctane sulfonamide (PFOSA)	-	116	28	-	0.000021	0.9
Perfluorooctanesulfonic acid (PFOS)	0.00063	116	98	88	0.000083	7
Perfluorooctanoic acid (PFOA)	0.000019	116	51	51	0.000054	0.0249
Perfluoropentanesulfonic acid (PFPeS)	-	116	18	-	0.000033	0.0031
Perfluoropentanoic acid (PFPeA)	-	116	42	-	0.000041	0.0041
Perfluorotetradecanoic acid (PFTeDA)	-	116	3	-	0.000038	0.0031
Perfluorotridecanoic acid (PFTTrDA)	-	116	7	-	0.000029	0.0031
Perfluoroundecanoic acid (PFUnA)	-	116	24	-	0.000048	0.0031

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	05. Structural Fire Station				
	Flow Field:	4				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	20	0	-	0.00033	0.0067
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	76	15	-	0.00035	0.0098
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	76	0	-	0.00033	0.0067
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	76	16	-	0.00033	0.008
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	20	0	-	0.0037	0.033
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	20	0	-	0.0037	0.033
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	20	0	-	0.00033	0.0067
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	20	0	-	0.00033	0.0054
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	20	0	-	0.00033	0.0067
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	20	0	0	0.00018	0.0054
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	20	0	-	0.000045	0.0027
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	76	0	-	0.00014	0.0027
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	20	0	-	0.00044	0.013
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	76	0	-	0.000089	0.011
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	76	0	-	0.00014	0.0027
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	20	0	-	0.00067	0.013
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	20	0	-	0.0022	0.0054
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	-	20	0	-	0.00022	0.0027
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	20	1	-	0.000039	0.0027
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	20	0	-	0.00018	0.0027
Perfluorobutanesulfonic acid (PFBS)	1.9	76	5	0	0.00003	0.0027
Perfluorobutanoic acid (PFBA)	7.8	76	6	0	0.0001	0.0054
Perfluorodecanesulfonic acid (PFDS)	-	76	5	-	0.000086	0.0027
Perfluorodecanoic acid (PFDA)	0.000013	76	4	4	0.000054	0.0027
Perfluorododecanesulfonic acid (PFDoS)	-	20	0	-	0.00014	0.0027
Perfluorododecanoic acid (PFDoA)	-	76	2	-	0.000068	0.011
Perfluoroheptanesulfonic acid (PFHpS)	-	76	8	-	0.00011	0.0093
Perfluoroheptanoic acid (PFHpA)	-	76	16	-	0.000053	0.0027
Perfluorohexanesulfonic acid (PFHxS)	0.13	76	41	0	0.000081	0.0941
Perfluorohexanoic acid (PFHxA)	3.2	76	16	0	0.000048	0.0027
Perfluorononanesulfonic acid (PFNS)	-	76	8	-	0.00011	0.0027
Perfluorononanoic acid (PFNA)	0.019	76	17	0	0.000071	0.0061
Perfluorooctane sulfonamide (PFOSA)	-	76	14	-	0.000023	0.011
Perfluorooctanesulfonic acid (PFOS)	0.00063	76	66	62	0.000059	0.407
Perfluorooctanoic acid (PFOA)	0.000019	76	28	28	0.000087	0.0107
Perfluoropentanesulfonic acid (PFPeS)	-	76	3	-	0.000083	0.0044
Perfluoropentanoic acid (PFPeA)	-	76	24	-	0.000043	0.0049
Perfluorotetradecanoic acid (PFTeDA)	-	76	0	-	0.000067	0.0027
Perfluorotridecanoic acid (PFTTrDA)	-	76	0	-	0.000067	0.011
Perfluoroundecanoic acid (PFUnA)	-	76	9	-	0.000061	0.0028

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	06. Burn House				
	Flow Field:	4				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	21	0	-	0.00035	0.0067
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	46	12	-	0.00022	0.0077
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	46	0	-	0.00035	0.0067
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	46	13	-	0.00034	0.0067
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	21	1	-	0.0024	0.033
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	21	0	-	0.0039	0.033
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	21	0	-	0.00076	0.0067
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	21	0	-	0.00035	0.0054
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	21	0	-	0.00035	0.0067
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	21	0	0	0.00019	0.0054
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	21	0	-	0.000047	0.0027
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	46	0	-	0.00015	0.0027
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	21	0	-	0.0015	0.013
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	46	0	-	0.000093	0.0073
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	46	0	-	0.00015	0.0027
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	21	0	-	0.0012	0.013
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	21	0	-	0.0023	0.0054
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	21	0	-	0.00027	0.0027
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	21	0	-	0.000093	0.0027
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	21	0	-	0.00019	0.0027
Perfluorobutanesulfonic acid (PFBS)	1.9	46	6	0	0.000023	0.0027
Perfluorobutanoic acid (PFBA)	7.8	46	7	0	0.00011	0.0054
Perfluorodecanesulfonic acid (PFDS)	-	46	1	-	0.00009	0.0027
Perfluorodecanoic acid (PFDA)	0.000013	46	5	5	0.000043	0.0027
Perfluorododecanesulfonic acid (PFDoS)	-	21	1	-	0.000093	0.0027
Perfluorododecanoic acid (PFDoA)	-	46	2	-	0.000045	0.0027
Perfluoroheptanesulfonic acid (PFHpS)	-	46	6	-	0.000055	0.0027
Perfluoroheptanoic acid (PFHpA)	-	46	12	-	0.000037	0.0027
Perfluorohexanesulfonic acid (PFHxS)	0.13	46	16	0	0.000033	0.0037
Perfluorohexanoic acid (PFHxA)	3.2	46	12	0	0.00003	0.0027
Perfluorononanesulfonic acid (PFNS)	-	46	3	-	0.00011	0.0027
Perfluorononanoic acid (PFNA)	0.019	46	11	0	0.0001	0.0027
Perfluorooctane sulfonamide (PFOSA)	-	46	4	-	0.000047	0.0027
Perfluorooctanesulfonic acid (PFOS)	0.00063	46	36	34	0.00018	0.104
Perfluorooctanoic acid (PFOA)	0.000019	46	13	13	0.000078	0.0027
Perfluoropentanesulfonic acid (PFPeS)	-	46	4	-	0.000053	0.0027
Perfluoropentanoic acid (PFPeA)	-	46	14	-	0.000041	0.0034
Perfluorotetradecanoic acid (PFTeDA)	-	46	0	-	0.000093	0.0027
Perfluorotridecanoic acid (PFTrDA)	-	46	0	-	0.000093	0.0027
Perfluoroundecanoic acid (PFUnA)	-	46	5	-	0.000093	0.0027

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	07. Crash Fire Station				
	Flow Field:	4				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	31	0	-	0.00034	0.0062
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	86	11	-	0.00021	0.0062
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	86	0	-	0.00034	0.0062
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	86	17	-	0.00017	0.0913
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	31	0	-	0.0038	0.041
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	31	0	-	0.0038	0.041
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	31	0	-	0.00074	0.008
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	31	0	-	0.00034	0.0049
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	31	0	-	0.00034	0.0062
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	31	0	0	0.00018	0.0049
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	31	0	-	0.000046	0.0025
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	86	0	-	0.00015	0.0025
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	31	0	-	0.00073	0.016
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	86	1	-	0.000091	0.0062
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	86	0	-	0.00015	0.0025
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	31	0	-	0.0011	0.012
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	31	0	-	0.0023	0.025
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	31	0	-	0.00026	0.0028
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	31	0	-	0.000091	0.0025
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	31	0	-	0.00018	0.0025
Perfluorobutanesulfonic acid (PFBS)	1.9	86	10	0	0.000033	0.0028
Perfluorobutanoic acid (PFBA)	7.8	86	7	0	0.000099	0.0049
Perfluorodecanesulfonic acid (PFDS)	-	86	11	-	0.000088	0.0072
Perfluorodecanoic acid (PFDA)	0.000013	86	9	9	0.000037	0.0025
Perfluorododecanesulfonic acid (PFDoS)	-	31	1	-	0.00015	0.0036
Perfluorododecanoic acid (PFDoA)	-	86	2	-	0.000041	0.0025
Perfluoroheptanesulfonic acid (PFHpS)	-	86	14	-	0.000059	0.0257
Perfluoroheptanoic acid (PFHpA)	-	86	17	-	0.000035	0.004
Perfluorohexanesulfonic acid (PFHxS)	0.13	86	50	0	0.000078	0.127
Perfluorohexanoic acid (PFHxA)	3.2	86	29	0	0.000033	0.0044
Perfluorononanesulfonic acid (PFNS)	-	86	12	-	0.000082	0.0076
Perfluorononanoic acid (PFNA)	0.019	86	21	0	0.00011	0.0039
Perfluorooctane sulfonamide (PFOSA)	-	86	15	-	0.000046	0.0268
Perfluorooctanesulfonic acid (PFOS)	0.00063	86	59	55	0.000087	0.302
Perfluorooctanoic acid (PFOA)	0.000019	86	39	39	0.000053	0.0252
Perfluoropentanesulfonic acid (PFPeS)	-	86	11	-	0.000037	0.0039
Perfluoropentanoic acid (PFPeA)	-	86	26	-	0.000049	0.0059
Perfluorotetradecanoic acid (PFTeDA)	-	86	0	-	0.000091	0.0025
Perfluorotridecanoic acid (PFTrDA)	-	86	0	-	0.000091	0.0025
Perfluoroundecanoic acid (PFUnA)	-	86	7	-	0.000091	0.0046

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	08. Arch Hangar				
	Flow Field:	4				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	NA	NA	-	NA	NA
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	15	0	-	0.001	0.0013
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	15	0	-	0.001	0.0013
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	15	0	-	0.001	0.0013
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	NA	NA	-	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	NA	NA	-	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	NA	NA	-	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	NA	NA	-	NA	NA
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	15	0	-	0.001	0.0013
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	NA	NA	-	NA	NA
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	15	0	-	0.001	0.0063
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	15	0	-	0.001	0.0013
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	NA	NA	-	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	NA	NA	-	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	NA	NA	-	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	NA	NA	-	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	NA	NA	-	NA	NA
Perfluorobutanesulfonic acid (PFBS)	1.9	15	0	0	0.001	0.0013
Perfluorobutanoic acid (PFBA)	7.8	15	0	0	0.001	0.0013
Perfluorodecanesulfonic acid (PFDS)	-	15	0	-	0.001	0.0013
Perfluorodecanoic acid (PFDA)	0.000013	15	0	0	0.001	0.0013
Perfluorododecanesulfonic acid (PFDoS)	-	NA	NA	-	NA	NA
Perfluorododecanoic acid (PFDoA)	-	15	0	-	0.001	0.0013
Perfluoroheptanesulfonic acid (PFHpS)	-	15	0	-	0.001	0.0013
Perfluoroheptanoic acid (PFHpA)	-	15	0	-	0.001	0.0013
Perfluorohexanesulfonic acid (PFHxS)	0.13	15	0	0	0.001	0.0013
Perfluorohexanoic acid (PFHxA)	3.2	15	0	0	0.001	0.0061
Perfluorononanesulfonic acid (PFNS)	-	15	0	-	0.001	0.0013
Perfluorononanoic acid (PFNA)	0.019	15	0	0	0.001	0.0013
Perfluorooctane sulfonamide (PFOSA)	-	15	0	-	0.001	0.0063
Perfluorooctanesulfonic acid (PFOS)	0.00063	15	7	7	0.001	0.0118
Perfluorooctanoic acid (PFOA)	0.000019	15	1	1	0.00077	0.0013
Perfluoropentanesulfonic acid (PFPeS)	-	15	0	-	0.001	0.0013
Perfluoropentanoic acid (PFPeA)	-	15	0	-	0.001	0.0061
Perfluorotetradecanoic acid (PFTeDA)	-	15	0	-	0.001	0.0013
Perfluorotridecanoic acid (PFTTrDA)	-	15	0	-	0.001	0.0013
Perfluoroundecanoic acid (PFUnA)	-	15	0	-	0.001	0.0013

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	09. Jet Engine Maintenance Shop				
	Flow Field:	4				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	NA	NA	-	NA	NA
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	11	0	-	0.001	0.0012
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	11	0	-	0.001	0.0012
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	11	0	-	0.001	0.0012
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	NA	NA	-	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	NA	NA	-	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	NA	NA	-	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	NA	NA	-	NA	NA
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	11	0	-	0.001	0.0012
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	NA	NA	-	NA	NA
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	11	0	-	0.001	0.0012
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	11	0	-	0.001	0.0012
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	NA	NA	-	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	NA	NA	-	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	NA	NA	-	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	NA	NA	-	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	NA	NA	-	NA	NA
Perfluorobutanesulfonic acid (PFBS)	1.9	11	0	0	0.001	0.0012
Perfluorobutanoic acid (PFBA)	7.8	11	0	0	0.001	0.0012
Perfluorodecanesulfonic acid (PFDS)	-	11	0	-	0.001	0.0012
Perfluorodecanoic acid (PFDA)	0.000013	11	0	0	0.001	0.0012
Perfluorododecanesulfonic acid (PFDoS)	-	NA	NA	-	NA	NA
Perfluorododecanoic acid (PFDoA)	-	11	0	-	0.001	0.0012
Perfluoroheptanesulfonic acid (PFHpS)	-	11	0	-	0.001	0.0012
Perfluoroheptanoic acid (PFHpA)	-	11	0	-	0.001	0.0012
Perfluorohexanesulfonic acid (PFHxS)	0.13	11	0	0	0.001	0.0012
Perfluorohexanoic acid (PFHxA)	3.2	11	0	0	0.001	0.0012
Perfluorononanesulfonic acid (PFNS)	-	11	0	-	0.001	0.0012
Perfluorononanoic acid (PFNA)	0.019	11	0	0	0.001	0.0012
Perfluorooctane sulfonamide (PFOSA)	-	11	0	-	0.001	0.0012
Perfluorooctanesulfonic acid (PFOS)	0.00063	11	3	3	0.00078	0.0017
Perfluorooctanoic acid (PFOA)	0.000019	11	0	0	0.001	0.0012
Perfluoropentanesulfonic acid (PFPeS)	-	11	0	-	0.001	0.0012
Perfluoropentanoic acid (PFPeA)	-	11	0	-	0.001	0.0012
Perfluorotetradecanoic acid (PFTeDA)	-	11	0	-	0.001	0.0012
Perfluorotridecanoic acid (PFTTrDA)	-	11	0	-	0.001	0.0012
Perfluoroundecanoic acid (PFUnA)	-	11	0	-	0.001	0.0012

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	10. Nose Dock No. 11				
	Flow Field:	3				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	NA	NA	-	NA	NA
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	20	0	-	0.001	0.0013
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	20	0	-	0.001	0.0013
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	20	0	-	0.001	0.0013
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	NA	NA	-	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	NA	NA	-	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	NA	NA	-	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	NA	NA	-	NA	NA
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	20	0	-	0.001	0.0013
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	NA	NA	-	NA	NA
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	20	0	-	0.001	0.0063
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	20	0	-	0.001	0.0013
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	NA	NA	-	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	NA	NA	-	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	NA	NA	-	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	NA	NA	-	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	NA	NA	-	NA	NA
Perfluorobutanesulfonic acid (PFBS)	1.9	20	0	0	0.001	0.0013
Perfluorobutanoic acid (PFBA)	7.8	20	0	0	0.001	0.0013
Perfluorodecanesulfonic acid (PFDS)	-	20	0	-	0.001	0.0013
Perfluorodecanoic acid (PFDA)	0.000013	20	0	0	0.001	0.0013
Perfluorododecanesulfonic acid (PFDoS)	-	NA	NA	-	NA	NA
Perfluorododecanoic acid (PFDoA)	-	20	0	-	0.001	0.0013
Perfluoroheptanesulfonic acid (PFHpS)	-	20	0	-	0.001	0.0013
Perfluoroheptanoic acid (PFHpA)	-	20	0	-	0.001	0.0013
Perfluorohexanesulfonic acid (PFHxS)	0.13	20	2	0	0.00078	0.0013
Perfluorohexanoic acid (PFHxA)	3.2	20	0	0	0.001	0.0013
Perfluorononanesulfonic acid (PFNS)	-	20	0	-	0.001	0.0013
Perfluorononanoic acid (PFNA)	0.019	20	1	0	0.00087	0.0013
Perfluorooctane sulfonamide (PFOSA)	-	20	0	-	0.001	0.0013
Perfluorooctanesulfonic acid (PFOS)	0.00063	20	8	8	0.0008	0.0284
Perfluorooctanoic acid (PFOA)	0.000019	20	2	2	0.00069	0.0013
Perfluoropentanesulfonic acid (PFPeS)	-	20	0	-	0.001	0.0013
Perfluoropentanoic acid (PFPeA)	-	20	0	-	0.001	0.0013
Perfluorotetradecanoic acid (PFTeDA)	-	20	0	-	0.001	0.0013
Perfluorotridecanoic acid (PFTrDA)	-	20	0	-	0.001	0.0013
Perfluoroundecanoic acid (PFUnA)	-	20	0	-	0.001	0.0013

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	11. Nose Dock No. 40 Area				
	Flow Field:	3				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	NA	NA	-	NA	NA
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	10	0	-	0.001	0.0012
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	10	0	-	0.001	0.0012
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	10	0	-	0.001	0.0012
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	NA	NA	-	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	NA	NA	-	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	NA	NA	-	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	NA	NA	-	NA	NA
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	10	0	-	0.001	0.0012
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	NA	NA	-	NA	NA
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	10	0	-	0.001	0.0058
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	10	0	-	0.001	0.0012
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	NA	NA	-	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	NA	NA	-	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	NA	NA	-	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	NA	NA	-	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	NA	NA	-	NA	NA
Perfluorobutanesulfonic acid (PFBS)	1.9	10	0	0	0.001	0.0012
Perfluorobutanoic acid (PFBA)	7.8	10	0	0	0.001	0.0012
Perfluorodecanesulfonic acid (PFDS)	-	10	0	-	0.001	0.0012
Perfluorodecanoic acid (PFDA)	0.000013	10	0	0	0.001	0.0012
Perfluorododecanesulfonic acid (PFDoS)	-	NA	NA	-	NA	NA
Perfluorododecanoic acid (PFDoA)	-	10	0	-	0.001	0.0012
Perfluoroheptanesulfonic acid (PFHpS)	-	10	0	-	0.001	0.0012
Perfluoroheptanoic acid (PFHpA)	-	10	0	-	0.001	0.0012
Perfluorohexanesulfonic acid (PFHxS)	0.13	10	0	0	0.001	0.0012
Perfluorohexanoic acid (PFHxA)	3.2	10	0	0	0.001	0.0012
Perfluorononanesulfonic acid (PFNS)	-	10	0	-	0.001	0.0012
Perfluorononanoic acid (PFNA)	0.019	10	0	0	0.001	0.0012
Perfluorooctane sulfonamide (PFOSA)	-	10	0	-	0.001	0.0055
Perfluorooctanesulfonic acid (PFOS)	0.00063	10	3	2	0.00062	0.0103
Perfluorooctanoic acid (PFOA)	0.000019	10	0	0	0.001	0.0012
Perfluoropentanesulfonic acid (PFPeS)	-	10	0	-	0.001	0.0012
Perfluoropentanoic acid (PFPeA)	-	10	0	-	0.001	0.0012
Perfluorotetradecanoic acid (PFTeDA)	-	10	0	-	0.001	0.0012
Perfluorotridecanoic acid (PFTrDA)	-	10	0	-	0.001	0.0012
Perfluoroundecanoic acid (PFUnA)	-	10	0	-	0.001	0.0012

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	12. Nose Dock No. 44				
	Flow Field:	3				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	11	0	-	0.00036	0.0057
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	51	1	-	0.00037	0.0057
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	51	0	-	0.00036	0.0057
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	51	1	-	0.00036	0.0057
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	11	0	-	0.0039	0.028
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	11	0	-	0.0039	0.028
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	11	0	-	0.00033	0.0057
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	11	0	-	0.00033	0.0045
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	11	0	-	0.00036	0.0057
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	11	0	0	0.00019	0.0045
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	11	0	-	0.000048	0.0023
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	51	0	-	0.00016	0.0059
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	11	0	-	0.00045	0.011
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	51	0	-	0.000095	0.0061
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	51	0	-	0.00016	0.0059
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	11	0	-	0.00067	0.011
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	11	0	-	0.0024	0.0045
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	11	0	-	0.00022	0.0023
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	11	0	-	0.000095	0.0023
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	11	0	-	0.00018	0.0023
Perfluorobutanesulfonic acid (PFBS)	1.9	51	3	0	0.000024	0.0023
Perfluorobutanoic acid (PFBA)	7.8	51	3	0	0.000094	0.0045
Perfluorodecanesulfonic acid (PFDS)	-	51	1	-	0.000092	0.0023
Perfluorodecanoic acid (PFDA)	0.000013	51	0	0	0.000095	0.0023
Perfluorododecanesulfonic acid (PFDoS)	-	11	0	-	0.00016	0.0023
Perfluorododecanoic acid (PFDoA)	-	51	1	-	0.000044	0.0055
Perfluoroheptanesulfonic acid (PFHpS)	-	51	1	-	0.00011	0.0023
Perfluoroheptanoic acid (PFHpA)	-	51	5	-	0.00005	0.0023
Perfluorohexanesulfonic acid (PFHxS)	0.13	51	15	0	0.000077	0.0054
Perfluorohexanoic acid (PFHxA)	3.2	51	7	0	0.000049	0.0023
Perfluorononanesulfonic acid (PFNS)	-	51	1	-	0.00011	0.0023
Perfluorononanoic acid (PFNA)	0.019	51	2	0	0.000073	0.0023
Perfluorooctane sulfonamide (PFOSA)	-	51	1	-	0.000048	0.0023
Perfluorooctanesulfonic acid (PFOS)	0.00063	51	37	35	0.00058	0.191
Perfluorooctanoic acid (PFOA)	0.000019	51	5	5	0.000095	0.0023
Perfluoropentanesulfonic acid (PFPeS)	-	51	4	-	0.000037	0.0023
Perfluoropentanoic acid (PFPeA)	-	51	6	-	0.000074	0.0023
Perfluorotetradecanoic acid (PFTeDA)	-	51	1	-	0.000024	0.0023
Perfluorotridecanoic acid (PFTrDA)	-	51	1	-	0.000049	0.0055
Perfluoroundecanoic acid (PFUnA)	-	51	1	-	0.000071	0.0023

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	13. Aircraft Hardstands				
	Flow Field:	3				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	NA	NA	-	NA	NA
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	70	0	-	0.001	0.0014
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	70	0	-	0.001	0.0014
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	70	0	-	0.001	0.0014
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	NA	NA	-	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	NA	NA	-	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	NA	NA	-	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	NA	NA	-	NA	NA
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	70	0	-	0.001	0.0014
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	NA	NA	-	NA	NA
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	70	0	-	0.001	0.0052
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	70	0	-	0.001	0.0014
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	NA	NA	-	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	NA	NA	-	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	NA	NA	-	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	NA	NA	-	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	NA	NA	-	NA	NA
Perfluorobutanesulfonic acid (PFBS)	1.9	70	0	0	0.001	0.0014
Perfluorobutanoic acid (PFBA)	7.8	70	0	0	0.001	0.0014
Perfluorodecanesulfonic acid (PFDS)	-	70	1	-	0.00076	0.0014
Perfluorodecanoic acid (PFDA)	0.000013	70	0	0	0.001	0.0014
Perfluorododecanesulfonic acid (PFDoS)	-	NA	NA	-	NA	NA
Perfluorododecanoic acid (PFDoA)	-	70	0	-	0.001	0.0014
Perfluoroheptanesulfonic acid (PFHpS)	-	70	0	-	0.001	0.0014
Perfluoroheptanoic acid (PFHpA)	-	70	0	-	0.001	0.0014
Perfluorohexanesulfonic acid (PFHxS)	0.13	70	0	0	0.001	0.0014
Perfluorohexanoic acid (PFHxA)	3.2	70	0	0	0.001	0.0014
Perfluorononanesulfonic acid (PFNS)	-	70	0	-	0.001	0.0014
Perfluorononanoic acid (PFNA)	0.019	70	0	0	0.001	0.0014
Perfluorooctane sulfonamide (PFOSA)	-	70	0	-	0.001	0.0052
Perfluorooctanesulfonic acid (PFOS)	0.00063	70	37	34	0.00056	0.0168
Perfluorooctanoic acid (PFOA)	0.000019	70	0	0	0.001	0.0014
Perfluoropentanesulfonic acid (PFPeS)	-	70	0	-	0.001	0.0014
Perfluoropentanoic acid (PFPeA)	-	70	0	-	0.001	0.0014
Perfluorotetradecanoic acid (PFTeDA)	-	70	0	-	0.001	0.0014
Perfluorotridecanoic acid (PFTTrDA)	-	70	0	-	0.001	0.0014
Perfluoroundecanoic acid (PFUnA)	-	70	1	-	0.00088	0.0014

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	14. Hardstand 19				
	Flow Field:	3				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	NA	NA	-	NA	NA
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	8	0	-	0.001	0.0011
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	8	0	-	0.001	0.0011
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	8	0	-	0.001	0.0011
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	NA	NA	-	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	NA	NA	-	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	NA	NA	-	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	NA	NA	-	NA	NA
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	8	0	-	0.001	0.0011
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	NA	NA	-	NA	NA
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	8	0	-	0.001	0.0011
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	8	0	-	0.001	0.0011
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	NA	NA	-	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	NA	NA	-	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	NA	NA	-	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	NA	NA	-	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	NA	NA	-	NA	NA
Perfluorobutanesulfonic acid (PFBS)	1.9	8	0	0	0.001	0.0011
Perfluorobutanoic acid (PFBA)	7.8	8	0	0	0.001	0.0011
Perfluorodecanesulfonic acid (PFDS)	-	8	0	-	0.001	0.0011
Perfluorodecanoic acid (PFDA)	0.000013	8	0	0	0.001	0.0011
Perfluorododecanesulfonic acid (PFDoS)	-	NA	NA	-	NA	NA
Perfluorododecanoic acid (PFDoA)	-	8	0	-	0.001	0.0011
Perfluoroheptanesulfonic acid (PFHpS)	-	8	0	-	0.001	0.0011
Perfluoroheptanoic acid (PFHpA)	-	8	0	-	0.001	0.0011
Perfluorohexanesulfonic acid (PFHxS)	0.13	8	1	0	0.001	0.0016
Perfluorohexanoic acid (PFHxA)	3.2	8	0	0	0.001	0.0011
Perfluorononanesulfonic acid (PFNS)	-	8	0	-	0.001	0.0011
Perfluorononanoic acid (PFNA)	0.019	8	1	0	0.001	0.0015
Perfluorooctane sulfonamide (PFOSA)	-	8	0	-	0.001	0.0011
Perfluorooctanesulfonic acid (PFOS)	0.00063	8	2	2	0.001	0.0452
Perfluorooctanoic acid (PFOA)	0.000019	8	1	1	0.001	0.0015
Perfluoropentanesulfonic acid (PFPeS)	-	8	0	-	0.001	0.0011
Perfluoropentanoic acid (PFPeA)	-	8	0	-	0.001	0.0011
Perfluorotetradecanoic acid (PFTeDA)	-	8	0	-	0.001	0.0011
Perfluorotridecanoic acid (PFTriDA)	-	8	0	-	0.001	0.0011
Perfluoroundecanoic acid (PFUnA)	-	8	0	-	0.001	0.0011

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	16. Fuel Tank Farm				
	Flow Field:	4				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	11	0	-	0.00035	0.0064
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	33	0	-	0.00036	0.0064
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	33	0	-	0.00035	0.0064
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	33	0	-	0.00035	0.0064
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	11	0	-	0.0038	0.032
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	11	0	-	0.0038	0.032
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	11	0	-	0.00075	0.0064
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	11	0	-	0.00035	0.0051
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	11	0	-	0.00035	0.0064
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	11	0	0	0.00019	0.0051
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	11	0	-	0.000046	0.0025
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	33	0	-	0.00015	0.0025
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	11	0	-	0.0015	0.013
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	33	0	-	0.000093	0.0056
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	33	0	-	0.00015	0.0025
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	11	0	-	0.0012	0.013
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	11	0	-	0.0023	0.0051
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	11	0	-	0.00027	0.0025
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	11	0	-	0.000093	0.0025
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	11	0	-	0.00019	0.0025
Perfluorobutanesulfonic acid (PFBS)	1.9	33	0	0	0.000082	0.0025
Perfluorobutanoic acid (PFBA)	7.8	33	1	0	0.000088	0.0051
Perfluorodecanesulfonic acid (PFDS)	-	33	0	-	0.000089	0.0025
Perfluorodecanoic acid (PFDA)	0.000013	33	1	1	0.000043	0.0025
Perfluorododecanesulfonic acid (PFDoS)	-	11	0	-	0.00015	0.0025
Perfluorododecanoic acid (PFDoA)	-	33	0	-	0.000093	0.0025
Perfluoroheptanesulfonic acid (PFHpS)	-	33	0	-	0.00011	0.0025
Perfluoroheptanoic acid (PFHpA)	-	33	2	-	0.000049	0.0025
Perfluorohexanesulfonic acid (PFHxS)	0.13	33	6	0	0.000053	0.0025
Perfluorohexanoic acid (PFHxA)	3.2	33	3	0	0.00004	0.0025
Perfluorononanesulfonic acid (PFNS)	-	33	0	-	0.00011	0.0025
Perfluorononanoic acid (PFNA)	0.019	33	2	0	0.000062	0.0025
Perfluorooctane sulfonamide (PFOSA)	-	33	1	-	0.000046	0.0048
Perfluorooctanesulfonic acid (PFOS)	0.00063	33	16	13	0.000086	0.0053
Perfluorooctanoic acid (PFOA)	0.000019	33	3	3	0.000057	0.0025
Perfluoropentanesulfonic acid (PFPeS)	-	33	0	-	0.000087	0.0025
Perfluoropentanoic acid (PFPeA)	-	33	3	-	0.000051	0.0025
Perfluorotetradecanoic acid (PFTeDA)	-	33	0	-	0.000093	0.0025
Perfluorotridecanoic acid (PFTrDA)	-	33	0	-	0.000093	0.0025
Perfluoroundecanoic acid (PFUnA)	-	33	1	-	0.000043	0.0025

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	17. Fuel Dump Area				
	Flow Field:	3				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	NA	NA	-	NA	NA
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	11	1	-	0.0011	0.0013
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	11	0	-	0.0011	0.0013
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	11	1	-	0.0011	0.0036
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	NA	NA	-	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	NA	NA	-	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	NA	NA	-	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	NA	NA	-	NA	NA
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	11	0	-	0.0011	0.0013
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	NA	NA	-	NA	NA
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	11	0	-	0.0011	0.0055
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	11	0	-	0.0011	0.0013
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	NA	NA	-	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	NA	NA	-	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESEA)	-	NA	NA	-	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	NA	NA	-	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	NA	NA	-	NA	NA
Perfluorobutanesulfonic acid (PFBS)	1.9	11	0	0	0.0011	0.0013
Perfluorobutanoic acid (PFBA)	7.8	11	0	0	0.0011	0.0013
Perfluorodecanesulfonic acid (PFDS)	-	11	0	-	0.0011	0.0013
Perfluorodecanoic acid (PFDA)	0.000013	11	0	0	0.0011	0.0013
Perfluorododecanesulfonic acid (PFDoS)	-	NA	NA	-	NA	NA
Perfluorododecanoic acid (PFDoA)	-	11	0	-	0.0011	0.0013
Perfluoroheptanesulfonic acid (PFHpS)	-	11	0	-	0.0011	0.0013
Perfluoroheptanoic acid (PFHpA)	-	11	1	-	0.00086	0.0013
Perfluorohexanesulfonic acid (PFHxS)	0.13	11	0	0	0.0011	0.0013
Perfluorohexanoic acid (PFHxA)	3.2	11	0	0	0.0011	0.0013
Perfluorononanesulfonic acid (PFNS)	-	11	0	-	0.0011	0.0013
Perfluorononanoic acid (PFNA)	0.019	11	0	0	0.0011	0.0013
Perfluorooctane sulfonamide (PFOSA)	-	11	0	-	0.0011	0.0055
Perfluorooctanesulfonic acid (PFOS)	0.00063	11	6	5	0.00055	0.0034
Perfluorooctanoic acid (PFOA)	0.000019	11	1	1	0.00084	0.0013
Perfluoropentanesulfonic acid (PFPeS)	-	11	0	-	0.0011	0.0013
Perfluoropentanoic acid (PFPeA)	-	11	0	-	0.0011	0.0013
Perfluorotetradecanoic acid (PFTeDA)	-	11	0	-	0.0011	0.0013
Perfluorotridecanoic acid (PFTrDA)	-	11	0	-	0.0011	0.0013
Perfluoroundecanoic acid (PFUnA)	-	11	0	-	0.0011	0.0013

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	18. Main Runway Foaming Area				
	Flow Field:	2				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	54	0	-	0.00033	0.0065
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	121	1	-	0.00034	0.0511
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	121	0	-	0.00033	0.0065
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	121	1	-	0.00033	0.0081
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	54	0	-	0.0036	0.033
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	54	0	-	0.0036	0.033
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	54	0	-	0.00072	0.0065
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	54	0	-	0.00033	0.0052
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	54	0	-	0.00033	0.0065
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	54	0	0	0.00018	0.0052
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	54	0	-	0.000044	0.0026
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	121	0	-	0.00014	0.0026
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	54	0	-	0.0014	0.013
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	121	0	-	0.000088	0.0062
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	121	0	-	0.00014	0.0026
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	54	0	-	0.0011	0.013
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	54	0	-	0.0022	0.0054
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	54	0	-	0.00025	0.0026
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	54	0	-	0.000088	0.0026
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	54	0	-	0.00018	0.0026
Perfluorobutanesulfonic acid (PFBS)	1.9	121	2	0	0.000027	0.0026
Perfluorobutanoic acid (PFBA)	7.8	121	9	0	0.00011	0.0052
Perfluorodecanesulfonic acid (PFDS)	-	121	3	-	0.000078	0.0024
Perfluorodecanoic acid (PFDA)	0.000013	121	11	11	0.000052	0.0038
Perfluorododecanesulfonic acid (PFDoS)	-	54	0	-	0.00014	0.0026
Perfluorododecanoic acid (PFDoA)	-	121	5	-	0.000055	0.0026
Perfluoroheptanesulfonic acid (PFHpS)	-	121	1	-	0.0001	0.0026
Perfluoroheptanoic acid (PFHpA)	-	121	12	-	0.000044	0.0026
Perfluorohexanesulfonic acid (PFHxS)	0.13	121	15	0	0.00008	0.0024
Perfluorohexanoic acid (PFHxA)	3.2	121	13	0	0.000027	0.0026
Perfluorononanesulfonic acid (PFNS)	-	121	3	-	0.0001	0.0026
Perfluorononanoic acid (PFNA)	0.019	121	13	0	0.000081	0.0026
Perfluorooctane sulfonamide (PFOSA)	-	121	6	-	0.000028	0.012
Perfluorooctanesulfonic acid (PFOS)	0.00063	121	50	34	0.000082	0.0924
Perfluorooctanoic acid (PFOA)	0.000019	121	16	16	0.000057	0.004
Perfluoropentanesulfonic acid (PFPeS)	-	121	0	-	0.000083	0.0026
Perfluoropentanoic acid (PFPeA)	-	121	13	-	0.000041	0.0026
Perfluorotetradecanoic acid (PFTeDA)	-	121	2	-	0.000075	0.0026
Perfluorotridecanoic acid (PFTTrDA)	-	121	3	-	0.000082	0.0026
Perfluoroundecanoic acid (PFUnA)	-	121	13	-	0.000052	0.0026

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	19. KC-135 Crash Fire				
	Flow Field:	4				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	NA	NA	-	NA	NA
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	8	0	-	0.0011	0.0016
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	8	0	-	0.0011	0.0016
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	8	0	-	0.0011	0.0016
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	NA	NA	-	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	NA	NA	-	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	NA	NA	-	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	NA	NA	-	NA	NA
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	8	0	-	0.0011	0.0016
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	NA	NA	-	NA	NA
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	8	0	-	0.0011	0.0016
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	8	0	-	0.0011	0.0016
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	NA	NA	-	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	NA	NA	-	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	NA	NA	-	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	NA	NA	-	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	NA	NA	-	NA	NA
Perfluorobutanesulfonic acid (PFBS)	1.9	8	0	0	0.0011	0.0016
Perfluorobutanoic acid (PFBA)	7.8	8	0	0	0.0011	0.0016
Perfluorodecanesulfonic acid (PFDS)	-	8	0	-	0.0011	0.0016
Perfluorodecanoic acid (PFDA)	0.000013	8	0	0	0.0011	0.0016
Perfluorododecanesulfonic acid (PFDoS)	-	NA	NA	-	NA	NA
Perfluorododecanoic acid (PFDoA)	-	8	0	-	0.0011	0.0016
Perfluoroheptanesulfonic acid (PFHpS)	-	8	0	-	0.0011	0.0016
Perfluoroheptanoic acid (PFHpA)	-	8	0	-	0.0011	0.0016
Perfluorohexanesulfonic acid (PFHxS)	0.13	8	0	0	0.0011	0.0016
Perfluorohexanoic acid (PFHxA)	3.2	8	0	0	0.0011	0.0016
Perfluorononanesulfonic acid (PFNS)	-	8	0	-	0.0011	0.0016
Perfluorononanoic acid (PFNA)	0.019	8	0	0	0.0011	0.0016
Perfluorooctane sulfonamide (PFOSA)	-	8	0	-	0.0011	0.0016
Perfluorooctanesulfonic acid (PFOS)	0.00063	8	6	6	0.00069	0.0069
Perfluorooctanoic acid (PFOA)	0.000019	8	0	0	0.0011	0.0016
Perfluoropentanesulfonic acid (PFPeS)	-	8	0	-	0.0011	0.0016
Perfluoropentanoic acid (PFPeA)	-	8	0	-	0.0011	0.0016
Perfluorotetradecanoic acid (PFTeDA)	-	8	0	-	0.0011	0.0016
Perfluorotridecanoic acid (PFTrDA)	-	8	0	-	0.0011	0.0016
Perfluoroundecanoic acid (PFUnA)	-	8	0	-	0.0011	0.0016

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	20. B-52 Crash Area				
	Flow Field:	1				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	12	0	-	0.00033	0.0063
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	39	0	-	0.00034	0.0063
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	39	0	-	0.00033	0.0063
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	39	0	-	0.00033	0.0063
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	12	0	-	0.0037	0.031
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	12	0	-	0.0037	0.031
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	12	0	-	0.00038	0.0063
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	12	0	-	0.00033	0.005
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	12	0	-	0.00033	0.0063
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	12	0	0	0.00018	0.005
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	12	0	-	0.000044	0.0025
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	39	0	-	0.00014	0.0025
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	12	0	-	0.0005	0.013
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	39	0	-	0.000089	0.0025
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	39	0	-	0.00014	0.0025
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	12	0	-	0.00076	0.013
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	12	0	-	0.0022	0.005
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	12	0	-	0.00025	0.0025
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	12	0	-	0.000089	0.0025
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	12	0	-	0.00018	0.0025
Perfluorobutanesulfonic acid (PFBS)	1.9	39	1	0	0.000041	0.0025
Perfluorobutanoic acid (PFBA)	7.8	39	2	0	0.00018	0.005
Perfluorodecanesulfonic acid (PFDS)	-	39	4	-	0.000085	0.0025
Perfluorodecanoic acid (PFDA)	0.000013	39	1	1	0.000089	0.0025
Perfluorododecanesulfonic acid (PFDoS)	-	12	1	-	0.00014	0.0025
Perfluorododecanoic acid (PFDoA)	-	39	1	-	0.000042	0.0025
Perfluoroheptanesulfonic acid (PFHpS)	-	39	2	-	0.000094	0.0025
Perfluoroheptanoic acid (PFHpA)	-	39	2	-	0.000089	0.0025
Perfluorohexanesulfonic acid (PFHxS)	0.13	39	15	0	0.000043	0.0025
Perfluorohexanoic acid (PFHxA)	3.2	39	4	0	0.000089	0.0025
Perfluorononanesulfonic acid (PFNS)	-	39	3	-	0.00011	0.0025
Perfluorononanoic acid (PFNA)	0.019	39	2	0	0.00011	0.0025
Perfluorooctane sulfonamide (PFOSA)	-	39	2	-	0.000036	0.0025
Perfluorooctanesulfonic acid (PFOS)	0.00063	39	26	24	0.00012	0.0274
Perfluorooctanoic acid (PFOA)	0.000019	39	2	2	0.000089	0.0025
Perfluoropentanesulfonic acid (PFPeS)	-	39	1	-	0.000064	0.0025
Perfluoropentanoic acid (PFPeA)	-	39	3	-	0.000053	0.0025
Perfluorotetradecanoic acid (PFTeDA)	-	39	0	-	0.000076	0.0025
Perfluorotridecanoic acid (PFTTrDA)	-	39	0	-	0.000076	0.0025
Perfluoroundecanoic acid (PFUnA)	-	39	1	-	0.000089	0.0025

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	21. Flightline Drainage Ditch				
	Flow Field:	4				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	2	0	-	0.00056	0.00069
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	16	0	-	0.00058	0.0029
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	16	0	-	0.00056	0.0029
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	16	0	-	0.00056	0.0029
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	2	0	-	0.0062	0.0076
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	2	0	-	0.0062	0.0076
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	2	0	-	0.0012	0.0015
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	2	0	-	0.00056	0.00069
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	2	0	-	0.00056	0.00069
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	2	0	0	0.0003	0.00037
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	2	0	-	0.000075	0.000093
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	16	0	-	0.00024	0.0029
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	2	0	-	0.0024	0.003
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	16	0	-	0.00015	0.014
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	16	0	-	0.00024	0.0029
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	2	0	-	0.0019	0.0023
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	2	0	-	0.0038	0.0046
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	2	0	-	0.00043	0.00053
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	2	0	-	0.00015	0.00019
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	2	0	-	0.0003	0.00037
Perfluorobutanesulfonic acid (PFBS)	1.9	16	0	0	0.00013	0.0029
Perfluorobutanoic acid (PFBA)	7.8	16	0	0	0.0003	0.0029
Perfluorodecanesulfonic acid (PFDS)	-	16	1	-	0.000064	0.0029
Perfluorodecanoic acid (PFDA)	0.000013	16	0	0	0.00015	0.0029
Perfluorododecanesulfonic acid (PFDoS)	-	2	0	-	0.00024	0.0003
Perfluorododecanoic acid (PFDoA)	-	16	0	-	0.00015	0.014
Perfluoroheptanesulfonic acid (PFHpS)	-	16	1	-	0.00018	0.0029
Perfluoroheptanoic acid (PFHpA)	-	16	2	-	0.000085	0.0029
Perfluorohexanesulfonic acid (PFHxS)	0.13	16	5	0	0.00082	0.0049
Perfluorohexanoic acid (PFHxA)	3.2	16	2	0	0.00017	0.0029
Perfluorononanesulfonic acid (PFNS)	-	16	0	-	0.00018	0.0029
Perfluorononanoic acid (PFNA)	0.019	16	1	0	0.00014	0.0029
Perfluorooctane sulfonamide (PFOSA)	-	16	2	-	0.0011	0.0029
Perfluorooctanesulfonic acid (PFOS)	0.00063	16	10	9	0.00061	0.0258
Perfluorooctanoic acid (PFOA)	0.000019	16	3	3	0.00024	0.0023
Perfluoropentanesulfonic acid (PFPeS)	-	16	0	-	0.00014	0.0029
Perfluoropentanoic acid (PFPeA)	-	16	3	-	0.00022	0.0029
Perfluorotetradecanoic acid (PFTeDA)	-	16	0	-	0.00015	0.0029
Perfluorotridecanoic acid (PFTTrDA)	-	16	0	-	0.00015	0.014
Perfluoroundecanoic acid (PFUnA)	-	16	2	-	0.000087	0.0029

Notes

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	22. WWTP				
	Flow Field:	4				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	4	0	-	0.00069	0.00083
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	27	1	-	0.00071	0.0025
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	27	0	-	0.00069	0.0025
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	27	0	-	0.00069	0.0025
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	4	0	-	0.0076	0.0091
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	4	0	-	0.0076	0.0091
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	4	0	-	0.0015	0.0018
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	4	0	-	0.00069	0.00083
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	4	0	-	0.00069	0.00083
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	4	0	0	0.00037	0.00044
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	4	0	-	0.000092	0.00011
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	27	0	-	0.0003	0.0025
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	4	0	-	0.003	0.0036
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	27	0	-	0.00018	0.0085
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	27	1	-	0.0003	0.0025
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	4	0	-	0.0023	0.0028
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	4	0	-	0.0046	0.0055
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	4	0	-	0.00053	0.00063
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	4	0	-	0.00018	0.00022
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	4	0	-	0.00037	0.00044
Perfluorobutanesulfonic acid (PFBS)	1.9	27	0	0	0.00016	0.0025
Perfluorobutanoic acid (PFBA)	7.8	27	0	0	0.00037	0.0025
Perfluorodecanesulfonic acid (PFDS)	-	27	1	-	0.00018	0.0025
Perfluorodecanoic acid (PFDA)	0.000013	27	1	1	0.000087	0.0025
Perfluorododecanesulfonic acid (PFDoS)	-	4	0	-	0.0003	0.00036
Perfluorododecanoic acid (PFDoA)	-	27	1	-	0.000086	0.0025
Perfluoroheptanesulfonic acid (PFHpS)	-	27	1	-	0.00013	0.0025
Perfluoroheptanoic acid (PFHpA)	-	27	1	-	0.000072	0.0025
Perfluorohexanesulfonic acid (PFHxS)	0.13	27	6	0	0.00075	0.0025
Perfluorohexanoic acid (PFHxA)	3.2	27	3	0	0.000069	0.0025
Perfluorononanesulfonic acid (PFNS)	-	27	0	-	0.00022	0.0025
Perfluorononanoic acid (PFNA)	0.019	27	2	0	0.00014	0.0025
Perfluorooctane sulfonamide (PFOSA)	-	27	2	-	0.000092	0.0055
Perfluorooctanesulfonic acid (PFOS)	0.00063	27	20	19	0.00061	0.017
Perfluorooctanoic acid (PFOA)	0.000019	27	5	5	0.00013	0.0025
Perfluoropentanesulfonic acid (PFPeS)	-	27	0	-	0.00017	0.0025
Perfluoropentanoic acid (PFPeA)	-	27	0	-	0.00018	0.0025
Perfluorotetradecanoic acid (PFTeDA)	-	27	0	-	0.00018	0.0025
Perfluorotridecanoic acid (PFTrDA)	-	27	0	-	0.00018	0.0025
Perfluoroundecanoic acid (PFUnA)	-	27	0	-	0.00018	0.0025

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

Table O-1
Soil PFAS Analytical Statistics

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

Analyte	Source Area:	24. Former Jet Engine Test Cell (FJETC)				
	Flow Field:	3				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of EPA Residential Soil RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	NA	NA	-	NA	NA
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	15	0	-	0.00055	0.0045
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	15	0	-	0.00055	0.0045
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	15	0	-	0.00055	0.0045
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	NA	NA	-	NA	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	NA	NA	-	NA	NA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	NA	NA	-	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	NA	NA	-	NA	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	NA	NA	NA	NA	NA
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	NA	NA	-	NA	NA
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	15	0	-	0.00055	0.0045
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	NA	NA	-	NA	NA
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	15	0	-	0.00055	0.0061
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	15	0	-	0.00055	0.0045
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	NA	NA	-	NA	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	NA	NA	-	NA	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	NA	NA	-	NA	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	NA	NA	-	NA	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	NA	NA	-	NA	NA
Perfluorobutanesulfonic acid (PFBS)	1.9	15	0	0	0.00055	0.0045
Perfluorobutanoic acid (PFBA)	7.8	15	0	0	0.00055	0.0045
Perfluorodecanesulfonic acid (PFDS)	-	15	0	-	0.00055	0.0045
Perfluorodecanoic acid (PFDA)	0.000013	15	0	0	0.00055	0.0045
Perfluorododecanesulfonic acid (PFDoS)	-	NA	NA	-	NA	NA
Perfluorododecanoic acid (PFDoA)	-	15	0	-	0.00055	0.0045
Perfluoroheptanesulfonic acid (PFHpS)	-	15	0	-	0.00055	0.0045
Perfluoroheptanoic acid (PFHpA)	-	15	0	-	0.00055	0.0045
Perfluorohexanesulfonic acid (PFHxS)	0.13	15	0	0	0.00055	0.0045
Perfluorohexanoic acid (PFHxA)	3.2	15	0	0	0.00055	0.0045
Perfluorononanesulfonic acid (PFNS)	-	15	0	-	0.00055	0.0045
Perfluorononanoic acid (PFNA)	0.019	15	0	0	0.00055	0.0045
Perfluorooctane sulfonamide (PFOSA)	-	15	0	-	0.00055	0.0045
Perfluorooctanesulfonic acid (PFOS)	0.00063	15	1	1	0.00055	0.0045
Perfluorooctanoic acid (PFOA)	0.000019	15	0	0	0.00055	0.0045
Perfluoropentanesulfonic acid (PFPeS)	-	15	0	-	0.00055	0.0045
Perfluoropentanoic acid (PFPeA)	-	15	0	-	0.00055	0.0045
Perfluorotetradecanoic acid (PFTeDA)	-	15	0	-	0.00055	0.0045
Perfluorotridecanoic acid (PFTrDA)	-	15	0	-	0.00055	0.0045
Perfluoroundecanoic acid (PFUnA)	-	15	0	-	0.00055	0.0045

Notes

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

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	1				
	Source Area:	01. Fire Training Area				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	92	0	-	3.5	66
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	134	63	-	1.2	160
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	134	15	-	0.55	67
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	134	89	-	1.7	343
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	92	0	-	18	310
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	92	0	-	18	310
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	92	0	-	7.9	88
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	92	0	-	3.4	38
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	92	0	-	3.5	66
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	92	0	0	1.8	40
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	92	0	-	0.9	33
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	134	1	-	0.9	33
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	92	1	-	4.5	370
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	134	0	-	0.9	40
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	134	3	-	0.9	33
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	92	1	-	2.3	170
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	92	0	-	3.5	600
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	92	0	-	1.8	31
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	92	0	-	1.8	20
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	92	0	-	0.45	33
Perfluorobutanesulfonic acid (PFBS)	600	134	121	0	0.23	100
Perfluorobutanoic acid (PFBA)	1800	134	120	0	0.9	170
Perfluorodecanesulfonic acid (PFDS)	-	134	5	-	0.42	17
Perfluorodecanoic acid (PFDA)	0.004	134	43	43	0.35	19
Perfluorododecanesulfonic acid (PFDoS)	-	92	0	-	0.9	33
Perfluorododecanoic acid (PFDoA)	-	134	0	-	0.9	17
Perfluoroheptanesulfonic acid (PFHpS)	-	134	110	-	0.42	180
Perfluoroheptanoic acid (PFHpA)	-	134	119	-	0.45	370
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	134	133	117	0.91	9500
Perfluorohexanoic acid (PFHxA)	990	134	123	0	0.18	980
Perfluorononanesulfonic acid (PFNS)	-	134	36	-	0.39	16.5
Perfluorononanoic acid (PFNA)	5.9	134	109	53	0.45	100
Perfluorooctane sulfonamide (PFOSA)	-	134	96	-	0.23	360
Perfluorooctanesulfonic acid (PFOS)	0.20	134	128	128	0.81	11000
Perfluorooctanoic acid (PFOA)	0.0027	134	129	129	0.23	920
Perfluoropentanesulfonic acid (PFPeS)	-	134	118	-	0.36	210
Perfluoropentanoic acid (PFPeA)	-	134	119	-	0.45	420
Perfluorotetradecanoic acid (PFTeDA)	-	134	0	-	0.45	80
Perfluorotridecanoic acid (PFTrDA)	-	134	0	-	0.9	17
Perfluoroundecanoic acid (PFUnA)	-	134	0	-	0.45	17

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	1				
	Source Area:	20. B-52 Crash Area				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	58	0	-	2.4	61
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	80	4	-	2	35
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	80	0	-	1.7	17
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	80	16	-	0.96	28.9
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	58	0	-	18	280
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	58	0	-	18	280
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	58	0	-	6.4	81
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	58	0	-	3.3	35
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	58	0	-	3.3	61
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	58	0	0	1.8	37
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	58	0	-	0.91	9.2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	80	0	-	0.88	18
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	58	2	-	3.6	46
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	80	0	-	0.91	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	80	0	-	0.91	10
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	58	2	-	2.2	23
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	58	0	-	3.6	550
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	58	0	-	1.8	28
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	58	0	-	1.8	18
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	58	0	-	0.46	4.6
Perfluorobutanesulfonic acid (PFBS)	600	80	72	0	0.56	130
Perfluorobutanoic acid (PFBA)	1800	80	70	0	1.1	17
Perfluorodecanesulfonic acid (PFDS)	-	80	0	-	0.43	8.9
Perfluorodecanoic acid (PFDA)	0.004	80	0	0	0.88	9.2
Perfluorododecanesulfonic acid (PFDoS)	-	58	0	-	0.88	9.2
Perfluorododecanoic acid (PFDoA)	-	80	0	-	0.88	10
Perfluoroheptanesulfonic acid (PFHpS)	-	80	55	-	0.19	64
Perfluoroheptanoic acid (PFHpA)	-	80	63	-	0.18	25.1
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	80	74	60	1.8	1200
Perfluorohexanoic acid (PFHxA)	990	80	69	0	0.31	110
Perfluorononanesulfonic acid (PFNS)	-	80	1	-	0.86	8.6
Perfluorononanoic acid (PFNA)	5.9	80	41	0	0.16	3
Perfluorooctane sulfonamide (PFOSA)	-	80	17	-	0.13	3.9
Perfluorooctanesulfonic acid (PFOS)	0.20	80	74	74	1.8	2300
Perfluorooctanoic acid (PFOA)	0.0027	80	67	67	0.34	49
Perfluoropentanesulfonic acid (PFPeS)	-	80	67	-	0.53	170
Perfluoropentanoic acid (PFPeA)	-	80	63	-	0.5	31
Perfluorotetradecanoic acid (PFTeDA)	-	80	0	-	0.46	10
Perfluorotridecanoic acid (PFTrDA)	-	80	0	-	0.91	10
Perfluoroundecanoic acid (PFUnA)	-	80	0	-	0.46	8.9

Notes
See **Table 1-1** for notes and **Table 1-3** for information about screening levels.
^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	2				
	Source Area:	18. Main Runway Foaming Area				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	71	0	-	2.3	33
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	108	0	-	1.7	67
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	108	0	-	1.7	67
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	108	23	-	1	396
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	71	0	-	18	170
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	71	0	-	18	170
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	71	0	-	6.2	83
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	71	0	-	3.2	33
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	71	0	-	3.2	33
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	71	0	0	1.8	17
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	71	0	-	0.9	33
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	108	0	-	0.85	33
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	71	1	-	4.5	170
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	108	0	-	0.9	38
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	108	0	-	0.9	33
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	71	2	-	2.2	170
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	71	0	-	3.6	65
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	71	0	-	1.8	17
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	71	0	-	1.8	17
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	71	0	-	0.45	33
Perfluorobutanesulfonic acid (PFBS)	600	108	68	0	0.2	23.2
Perfluorobutanoic acid (PFBA)	1800	108	78	0	0.6	33
Perfluorodecanesulfonic acid (PFDS)	-	108	0	-	0.42	17
Perfluorodecanoic acid (PFDA)	0.004	108	2	2	0.48	17
Perfluorododecanesulfonic acid (PFDoS)	-	71	0	-	0.85	33
Perfluorododecanoic acid (PFDoA)	-	108	0	-	0.85	17
Perfluoroheptanesulfonic acid (PFHpS)	-	108	31	-	0.18	17
Perfluoroheptanoic acid (PFHpA)	-	108	73	-	0.16	24.8
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	108	92	50	0.18	425
Perfluorohexanoic acid (PFHxA)	990	108	92	0	0.15	80.2
Perfluorononanesulfonic acid (PFNS)	-	108	2	-	0.81	17
Perfluorononanoic acid (PFNA)	5.9	108	39	0	0.16	17
Perfluorooctane sulfonamide (PFOSA)	-	108	13	-	0.16	49.6
Perfluorooctanesulfonic acid (PFOS)	0.20	108	91	91	0.28	408
Perfluorooctanoic acid (PFOA)	0.0027	108	84	84	0.15	114
Perfluoropentanesulfonic acid (PFPeS)	-	108	57	-	0.17	35.9
Perfluoropentanoic acid (PFPeA)	-	108	77	-	0.2	31.2
Perfluorotetradecanoic acid (PFTeDA)	-	108	0	-	0.45	17
Perfluorotridecanoic acid (PFTrDA)	-	108	0	-	0.86	17
Perfluoroundecanoic acid (PFUnA)	-	108	0	-	0.45	17

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	3				
	Source Area:	10. Nose Dock No. 11				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	24	0	-	3.6	6.6
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	36	0	-	1.7	9.2
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	36	0	-	1.7	81
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	36	10	-	0.91	23.8
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	24	0	-	18	31
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	24	0	-	18	31
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	24	0	-	8.5	11
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	24	0	-	3.6	4.6
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	24	0	-	3.6	6.6
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	24	0	0	1.8	4
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	24	0	-	0.97	4.6
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	36	0	-	0.97	31
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	24	1	-	2	23
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	36	0	-	0.97	31
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	36	0	-	0.97	31
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	24	1	-	2.4	23
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	24	0	-	3.6	60
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	24	0	-	1.8	3.1
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	24	0	-	1.8	2.3
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	24	0	-	0.48	4.6
Perfluorobutanesulfonic acid (PFBS)	600	36	27	0	0.25	5.5
Perfluorobutanoic acid (PFBA)	1800	36	32	0	0.54	28
Perfluorodecanesulfonic acid (PFDS)	-	36	0	-	0.45	16
Perfluorodecanoic acid (PFDA)	0.004	36	0	0	0.86	3.1
Perfluorododecanesulfonic acid (PFDoS)	-	24	0	-	0.97	4.6
Perfluorododecanoic acid (PFDoA)	-	36	0	-	0.86	16
Perfluoroheptanesulfonic acid (PFHpS)	-	36	13	-	0.39	3.1
Perfluoroheptanoic acid (PFHpA)	-	36	34	-	0.29	12
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	36	36	21	1.6	42
Perfluorohexanoic acid (PFHxA)	990	36	34	0	0.13	14
Perfluorononanesulfonic acid (PFNS)	-	36	0	-	0.86	3.1
Perfluorononanoic acid (PFNA)	5.9	36	12	0	0.32	3.5
Perfluorooctane sulfonamide (PFOSA)	-	36	6	-	0.16	9.3
Perfluorooctanesulfonic acid (PFOS)	0.20	36	36	36	0.89	38.4
Perfluorooctanoic acid (PFOA)	0.0027	36	35	35	0.24	13
Perfluoropentanesulfonic acid (PFPeS)	-	36	26	-	0.17	4.6
Perfluoropentanoic acid (PFPeA)	-	36	32	-	0.27	13.5
Perfluorotetradecanoic acid (PFTeDA)	-	36	0	-	0.48	16
Perfluorotridecanoic acid (PFTrDA)	-	36	0	-	0.86	16
Perfluoroundecanoic acid (PFUnA)	-	36	0	-	0.48	16

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	3				
	Source Area:	11. Nose Dock No. 40 Area				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	32	0	-	3.6	6.9
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	45	0	-	1.7	8.3
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	45	0	-	1.7	78
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	45	14	-	0.8	10
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	32	0	-	18	32
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	32	0	-	18	32
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	32	0	-	8	10
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	32	0	-	3.5	4.2
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	32	0	-	3.6	6.9
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	32	0	0	1.8	4.2
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	32	0	-	0.91	4.2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	45	0	-	0.91	4.2
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	32	0	-	4.5	190
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	45	0	-	0.91	19
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	45	0	-	0.91	4.2
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	32	0	-	2.3	190
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	32	0	-	3.6	62
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	32	0	-	1.8	3.2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	32	0	-	1.8	2.1
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	32	0	-	0.45	4.2
Perfluorobutanesulfonic acid (PFBS)	600	45	40	0	0.18	23
Perfluorobutanoic acid (PFBA)	1800	45	41	0	0.82	16
Perfluorodecanesulfonic acid (PFDS)	-	45	0	-	0.43	2.1
Perfluorodecanoic acid (PFDA)	0.004	45	0	0	0.86	2.1
Perfluorododecanesulfonic acid (PFDoS)	-	32	0	-	0.91	4.2
Perfluorododecanoic acid (PFDoA)	-	45	0	-	0.86	2.1
Perfluoroheptanesulfonic acid (PFHpS)	-	45	37	-	0.47	11.2
Perfluoroheptanoic acid (PFHpA)	-	45	42	-	0.3	19
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	45	44	37	0.74	210
Perfluorohexanoic acid (PFHxA)	990	45	42	0	0.41	58
Perfluorononanesulfonic acid (PFNS)	-	45	4	-	0.71	2.5
Perfluorononanoic acid (PFNA)	5.9	45	33	0	0.42	2.5
Perfluorooctane sulfonamide (PFOSA)	-	45	15	-	0.25	9.3
Perfluorooctanesulfonic acid (PFOS)	0.20	45	43	43	0.86	580
Perfluorooctanoic acid (PFOA)	0.0027	45	41	41	0.43	25
Perfluoropentanesulfonic acid (PFPeS)	-	45	37	-	0.47	29
Perfluoropentanoic acid (PFPeA)	-	45	41	-	0.44	38
Perfluorotetradecanoic acid (PFTeDA)	-	45	0	-	0.45	4.3
Perfluorotridecanoic acid (PFTrDA)	-	45	0	-	0.86	2.1
Perfluoroundecanoic acid (PFUnA)	-	45	0	-	0.45	2.1

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	3				
	Source Area:	12. Nose Dock No. 44				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	19	0	-	3.6	67
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	28	12	-	1.2	47
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	28	11	-	1.4	18
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	28	24	-	3.9	230
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	19	0	-	18	310
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	19	0	-	18	310
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	19	0	-	8.6	89
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	19	0	-	3.6	39
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	19	0	-	3.6	67
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	19	0	0	1.8	41
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	19	0	-	0.98	10
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	28	0	-	0.98	18
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	19	0	-	4.9	51
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	28	0	-	0.98	34
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	28	0	-	0.98	18
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	19	0	-	2.4	27
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	19	0	-	3.6	610
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	19	0	-	1.8	31
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	19	0	-	1.8	20
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	19	0	-	0.49	5.3
Perfluorobutanesulfonic acid (PFBS)	600	28	28	0	5.1	150
Perfluorobutanoic acid (PFBA)	1800	28	28	0	4.4	64
Perfluorodecanesulfonic acid (PFDS)	-	28	0	-	0.46	8.9
Perfluorodecanoic acid (PFDA)	0.004	28	1	1	0.34	10
Perfluorododecanesulfonic acid (PFDoS)	-	19	0	-	0.98	10
Perfluorododecanoic acid (PFDoA)	-	28	0	-	0.86	10
Perfluoroheptanesulfonic acid (PFHpS)	-	28	28	-	2.8	123
Perfluoroheptanoic acid (PFHpA)	-	28	28	-	4.2	60.2
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	28	28	28	49.6	930
Perfluorohexanoic acid (PFHxA)	990	28	28	0	11.9	366
Perfluorononanesulfonic acid (PFNS)	-	28	6	-	0.8	9.5
Perfluorononanoic acid (PFNA)	5.9	28	25	1	1.4	6.3
Perfluorooctane sulfonamide (PFOSA)	-	28	14	-	0.25	10
Perfluorooctanesulfonic acid (PFOS)	0.20	28	28	28	85.6	4350
Perfluorooctanoic acid (PFOA)	0.0027	28	28	28	5.8	130
Perfluoropentanesulfonic acid (PFPeS)	-	28	28	-	7.4	180
Perfluoropentanoic acid (PFPeA)	-	28	28	-	8.8	140
Perfluorotetradecanoic acid (PFTeDA)	-	28	0	-	0.49	8.9
Perfluorotridecanoic acid (PFTrDA)	-	28	0	-	0.86	10
Perfluoroundecanoic acid (PFUnA)	-	28	0	-	0.49	8.9

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	3				
	Source Area:	13. Aircraft Hardstands				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	52	0	-	2.2	6.9
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	75	0	-	1.7	8.1
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	75	0	-	1.7	74
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	75	19	-	0.81	21.5
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	52	0	-	18	32
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	52	0	-	18	32
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	52	0	-	6	10
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	52	0	-	3.1	4
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	52	0	-	3.1	6.9
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	52	0	0	1.8	4.2
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	52	0	-	0.87	4
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	75	0	-	0.82	18
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	52	0	-	4.4	20
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	75	0	-	0.87	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	75	0	-	0.87	19
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	52	0	-	2.2	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	52	0	-	3.6	63
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	52	0	-	1.8	3.2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	52	0	-	1.7	2.1
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	52	0	-	0.44	4
Perfluorobutanesulfonic acid (PFBS)	600	75	58	0	0.24	9.4
Perfluorobutanoic acid (PFBA)	1800	75	68	0	0.77	145
Perfluorodecanesulfonic acid (PFDS)	-	75	0	-	0.41	2
Perfluorodecanoic acid (PFDA)	0.004	75	3	3	0.44	2
Perfluorododecanesulfonic acid (PFDoS)	-	52	0	-	0.82	4
Perfluorododecanoic acid (PFDoA)	-	75	0	-	0.82	8.9
Perfluoroheptanesulfonic acid (PFHpS)	-	75	33	-	0.15	5.9
Perfluoroheptanoic acid (PFHpA)	-	75	69	-	0.28	33.6
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	75	75	49	0.82	110
Perfluorohexanoic acid (PFHxA)	990	75	71	0	0.38	27.6
Perfluorononanesulfonic acid (PFNS)	-	75	3	-	0.74	2
Perfluorononanoic acid (PFNA)	5.9	75	32	0	0.2	5.1
Perfluorooctane sulfonamide (PFOSA)	-	75	14	-	0.2	9.3
Perfluorooctanesulfonic acid (PFOS)	0.20	75	72	72	0.53	243
Perfluorooctanoic acid (PFOA)	0.0027	75	70	70	0.3	43.3
Perfluoropentanesulfonic acid (PFPeS)	-	75	54	-	0.23	11
Perfluoropentanoic acid (PFPeA)	-	75	68	-	0.41	31.4
Perfluorotetradecanoic acid (PFTeDA)	-	75	0	-	0.44	9.1
Perfluorotridecanoic acid (PFTrDA)	-	75	0	-	0.86	8.9
Perfluoroundecanoic acid (PFUnA)	-	75	2	-	0.44	2

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	3				
	Source Area:	14. Hardstand 19				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	61	0	-	2.2	11
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	86	6	-	1.5	10
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	86	0	-	1.7	10
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	86	25	-	1.7	27
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	61	0	-	18	37
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	61	0	-	18	37
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	61	0	-	6	15
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	61	0	-	3.1	5.6
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	61	0	-	3.1	11
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	61	0	0	1.8	6
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	61	0	-	0.92	5.1
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	86	1	-	0.61	5.1
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	61	2	-	1.9	180
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	86	0	-	0.92	19
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	86	1	-	0.56	5.1
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	61	1	-	1.4	180
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	61	0	-	3.6	70
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	61	0	-	1.8	5.2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	61	0	-	1.8	3
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	61	0	-	0.46	5.1
Perfluorobutanesulfonic acid (PFBS)	600	86	69	0	0.16	22.7
Perfluorobutanoic acid (PFBA)	1800	86	66	0	1.5	68.7
Perfluorodecanesulfonic acid (PFDS)	-	86	0	-	0.43	2.5
Perfluorodecanoic acid (PFDA)	0.004	86	0	0	0.82	2.5
Perfluorododecanesulfonic acid (PFDoS)	-	61	0	-	0.82	5.1
Perfluorododecanoic acid (PFDoA)	-	86	1	-	0.26	2.5
Perfluoroheptanesulfonic acid (PFHpS)	-	86	45	-	0.18	17.1
Perfluoroheptanoic acid (PFHpA)	-	86	69	-	0.44	51
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	86	85	59	0.73	220
Perfluorohexanoic acid (PFHxA)	990	86	74	0	0.13	70.6
Perfluorononanesulfonic acid (PFNS)	-	86	1	-	0.86	2.5
Perfluorononanoic acid (PFNA)	5.9	86	31	1	0.17	7.2
Perfluorooctane sulfonamide (PFOSA)	-	86	12	-	0.19	4.2
Perfluorooctanesulfonic acid (PFOS)	0.20	86	77	77	0.42	1030
Perfluorooctanoic acid (PFOA)	0.0027	86	82	82	0.13	74
Perfluoropentanesulfonic acid (PFPeS)	-	86	57	-	0.39	26.5
Perfluoropentanoic acid (PFPeA)	-	86	73	-	0.5	49.8
Perfluorotetradecanoic acid (PFTeDA)	-	86	1	-	0.23	2.5
Perfluorotridecanoic acid (PFTrDA)	-	86	0	-	0.86	2.5
Perfluoroundecanoic acid (PFUnA)	-	86	0	-	0.46	2.5

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	3				
	Source Area:	17. Fuel Dump Area				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	23	0	-	3.6	7.4
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	39	0	-	1.94	8.3
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	39	0	-	1.8	8.3
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	39	10	-	1.3	371
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	23	0	-	18	35
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	23	0	-	18	35
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	23	0	-	8.3	10
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	23	0	-	3.6	4.3
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	23	0	-	3.6	7.4
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	23	0	0	1.8	4.5
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	23	0	-	0.94	4.2
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	39	0	-	0.94	10
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	23	1	-	3.3	21
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	39	0	-	0.94	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	39	0	-	0.94	4.2
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	23	1	-	2.3	21
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	23	0	-	3.6	67
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	23	0	-	1.8	3.5
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	23	0	-	1.8	2.2
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	23	0	-	0.47	4.2
Perfluorobutanesulfonic acid (PFBS)	600	39	30	0	0.25	6.5
Perfluorobutanoic acid (PFBA)	1800	39	35	0	1.98	60.6
Perfluorodecanesulfonic acid (PFDS)	-	39	0	-	0.44	2.1
Perfluorodecanoic acid (PFDA)	0.004	39	0	0	0.94	2.1
Perfluorododecanesulfonic acid (PFDoS)	-	23	0	-	0.94	4.2
Perfluorododecanoic acid (PFDoA)	-	39	0	-	0.94	9.3
Perfluoroheptanesulfonic acid (PFHpS)	-	39	6	-	0.34	2.1
Perfluoroheptanoic acid (PFHpA)	-	39	38	-	0.3	22.3
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	39	36	25	1.3	32.9
Perfluorohexanoic acid (PFHxA)	990	39	38	0	1.1	51.4
Perfluorononanesulfonic acid (PFNS)	-	39	0	-	0.88	2.1
Perfluorononanoic acid (PFNA)	5.9	39	15	0	0.23	2.1
Perfluorooctane sulfonamide (PFOSA)	-	39	6	-	0.13	2.1
Perfluorooctanesulfonic acid (PFOS)	0.20	39	36	36	0.48	42.5
Perfluorooctanoic acid (PFOA)	0.0027	39	36	36	0.57	12.6
Perfluoropentanesulfonic acid (PFPeS)	-	39	24	-	0.21	4.2
Perfluoropentanoic acid (PFPeA)	-	39	38	-	1.7	184
Perfluorotetradecanoic acid (PFTeDA)	-	39	0	-	0.47	9.3
Perfluorotridecanoic acid (PFTrDA)	-	39	0	-	0.94	9.3
Perfluoroundecanoic acid (PFUnA)	-	39	0	-	0.47	2.1

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	3				
	Source Area:	24. Former Jet Engine Test Cell (FJETC)				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	39	0	-	2.4	6.6
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	59	0	-	2	9.3
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	59	0	-	1.7	73
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	59	7	-	0.79	78
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	39	0	-	18	34
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	39	0	-	18	34
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	39	0	-	6.3	12
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	39	0	-	3.3	4.7
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	39	0	-	3.3	6.6
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	39	0	0	1.8	4
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	39	0	-	0.92	4.7
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	59	0	-	0.87	4.7
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	39	1	-	4.6	23
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	59	0	-	0.92	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	59	0	-	0.92	4.7
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	39	0	-	2.3	23
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	39	0	-	3.6	60
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	39	0	-	1.8	3.1
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	39	0	-	1.8	3.2
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	39	0	-	0.46	4.7
Perfluorobutanesulfonic acid (PFBS)	600	59	49	0	0.23	4.4
Perfluorobutanoic acid (PFBA)	1800	59	52	0	0.64	23.2
Perfluorodecanesulfonic acid (PFDS)	-	59	0	-	0.43	2.3
Perfluorodecanoic acid (PFDA)	0.004	59	0	0	0.87	2.3
Perfluorododecanesulfonic acid (PFDoS)	-	39	0	-	0.87	4.7
Perfluorododecanoic acid (PFDoA)	-	59	0	-	0.87	2.3
Perfluoroheptanesulfonic acid (PFHpS)	-	59	27	-	0.17	2.5
Perfluoroheptanoic acid (PFHpA)	-	59	52	-	0.5	30.2
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	59	54	41	0.27	63
Perfluorohexanoic acid (PFHxA)	990	59	50	0	0.5	35.3
Perfluorononanesulfonic acid (PFNS)	-	59	0	-	0.86	2.3
Perfluorononanoic acid (PFNA)	5.9	59	36	0	0.2	2.4
Perfluorooctane sulfonamide (PFOSA)	-	59	6	-	0.16	13.8
Perfluorooctanesulfonic acid (PFOS)	0.20	59	52	52	0.47	85
Perfluorooctanoic acid (PFOA)	0.0027	59	52	52	0.25	19
Perfluoropentanesulfonic acid (PFPeS)	-	59	35	-	0.25	5.6
Perfluoropentanoic acid (PFPeA)	-	59	48	-	0.5	59.8
Perfluorotetradecanoic acid (PFTeDA)	-	59	0	-	0.46	2.3
Perfluorotridecanoic acid (PFTTrDA)	-	59	0	-	0.92	2.3
Perfluoroundecanoic acid (PFUnA)	-	59	0	-	0.46	2.3

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	4				
	Source Area:	05. Structural Fire Station				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	64	0	-	2.2	33
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	89	25	-	1.9	108
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	89	1	-	0.68	8.2
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	89	54	-	0.83	633
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	64	0	-	18	200
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	64	0	-	18	200
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	64	0	-	5.8	83
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	64	0	-	3	33
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	64	0	-	3	33
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	64	0	0	1.8	17
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	64	0	-	0.88	4.1
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	89	0	-	0.8	18
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	64	0	-	4.4	20
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	89	0	-	0.88	36
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	89	0	-	0.88	4.3
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	64	0	-	2.2	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	64	0	-	3.6	73
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	64	0	-	1.8	20
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	64	0	-	1.8	17
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	64	0	-	0.44	33
Perfluorobutanesulfonic acid (PFBS)	600	89	65	0	0.23	114
Perfluorobutanoic acid (PFBA)	1800	89	62	0	0.67	160
Perfluorodecanesulfonic acid (PFDS)	-	89	0	-	0.42	2.1
Perfluorodecanoic acid (PFDA)	0.004	89	14	14	0.3	2.3
Perfluorododecanesulfonic acid (PFDoS)	-	64	0	-	0.8	4.1
Perfluorododecanoic acid (PFDoA)	-	89	0	-	0.8	8.9
Perfluoroheptanesulfonic acid (PFHpS)	-	89	46	-	0.46	94.6
Perfluoroheptanoic acid (PFHpA)	-	89	65	-	0.16	214
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	89	82	47	0.46	1300
Perfluorohexanoic acid (PFHxA)	990	89	73	0	0.15	388
Perfluorononanesulfonic acid (PFNS)	-	89	9	-	0.37	5
Perfluorononanoic acid (PFNA)	5.9	89	47	35	0.2	51.5
Perfluorooctane sulfonamide (PFOSA)	-	89	30	-	0.23	21.3
Perfluorooctanesulfonic acid (PFOS)	0.20	89	82	82	0.46	2800
Perfluorooctanoic acid (PFOA)	0.0027	89	77	77	0.24	287
Perfluoropentanesulfonic acid (PFPeS)	-	89	57	-	0.19	168
Perfluoropentanoic acid (PFPeA)	-	89	72	-	0.28	579
Perfluorotetradecanoic acid (PFTeDA)	-	89	0	-	0.44	9.3
Perfluorotridecanoic acid (PFTrDA)	-	89	0	-	0.88	8.9
Perfluoroundecanoic acid (PFUnA)	-	89	0	-	0.44	2.1

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	4				
	Source Area:	0.6 Burn House				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	41	0	-	2.2	6.9
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	57	23	-	1.8	120
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	57	4	-	1.5	9.2
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	57	23	-	1.8	266
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	41	0	-	18	32
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	41	0	-	18	32
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	41	0	-	5.9	11
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	41	0	-	3.1	4.6
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	41	0	-	3.1	6.9
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	41	0	0	1.8	4.2
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	41	0	-	0.96	4.6
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	57	0	-	0.81	18
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	41	0	-	4.8	23
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	57	0	-	0.96	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	57	0	-	0.96	18
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	41	0	-	2.4	23
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	41	0	-	3.6	63
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	41	0	-	1.8	3.2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	41	0	-	1.8	2.9
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	41	0	-	0.48	4.6
Perfluorobutanesulfonic acid (PFBS)	600	57	56	0	0.82	42
Perfluorobutanoic acid (PFBA)	1800	57	57	0	1.9	121
Perfluorodecanesulfonic acid (PFDS)	-	57	0	-	0.45	9.3
Perfluorodecanoic acid (PFDA)	0.004	57	16	16	0.3	2
Perfluorododecanesulfonic acid (PFDoS)	-	41	0	-	0.81	4.6
Perfluorododecanoic acid (PFDoA)	-	57	0	-	0.81	10
Perfluoroheptanesulfonic acid (PFHpS)	-	57	54	-	0.18	23
Perfluoroheptanoic acid (PFHpA)	-	57	57	-	1.7	200
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	57	57	53	7.9	437
Perfluorohexanoic acid (PFHxA)	990	57	57	0	1.4	188
Perfluorononanesulfonic acid (PFNS)	-	57	5	-	0.62	2.4
Perfluorononanoic acid (PFNA)	5.9	57	54	20	0.3	23.9
Perfluorooctane sulfonamide (PFOSA)	-	57	38	-	0.25	14.2
Perfluorooctanesulfonic acid (PFOS)	0.20	57	57	57	10.5	1130
Perfluorooctanoic acid (PFOA)	0.0027	57	57	57	1.8	112
Perfluoropentanesulfonic acid (PFPeS)	-	57	56	-	0.67	55.8
Perfluoropentanoic acid (PFPeA)	-	57	57	-	1.5	354
Perfluorotetradecanoic acid (PFTeDA)	-	57	0	-	0.48	10
Perfluorotridecanoic acid (PFTrDA)	-	57	0	-	0.88	10
Perfluoroundecanoic acid (PFUnA)	-	57	0	-	0.48	9.3

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	4				
	Source Area:	07. Crash Fire				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	56	0	-	2.1	510
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	81	36	-	1.7	353
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	81	32	-	1.7	150
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	81	59	-	1.1	1420
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	56	0	-	18	2400
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	56	0	-	18	2400
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	56	1	-	4.6	680
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	56	0	-	2.9	290
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	56	0	-	2.9	510
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	56	0	0	1.8	310
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	56	0	-	0.98	77
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	81	0	-	0.78	77
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	56	0	-	4.9	380
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	81	0	-	0.98	77
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	81	3	-	0.98	77
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	56	0	-	2.4	190
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	56	0	-	3.5	4600
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	56	0	-	1.8	240
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	56	0	-	1.8	150
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	56	0	-	0.46	38
Perfluorobutanesulfonic acid (PFBS)	600	81	80	0	0.93	300
Perfluorobutanoic acid (PFBA)	1800	81	81	0	2.5	1210
Perfluorodecanesulfonic acid (PFDS)	-	81	4	-	0.46	36
Perfluorodecanoic acid (PFDA)	0.004	81	28	28	0.35	77
Perfluorododecanesulfonic acid (PFDoS)	-	56	0	-	0.78	77
Perfluorododecanoic acid (PFDoA)	-	81	0	-	0.78	77
Perfluoroheptanesulfonic acid (PFHpS)	-	81	76	-	0.24	240
Perfluoroheptanoic acid (PFHpA)	-	81	81	-	1.3	1600
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	81	81	81	11.3	3500
Perfluorohexanoic acid (PFHxA)	990	81	81	6	2.3	2340
Perfluorononanesulfonic acid (PFNS)	-	81	19	-	0.35	72
Perfluorononanoic acid (PFNA)	5.9	81	73	47	0.27	336
Perfluorooctane sulfonamide (PFOSA)	-	81	53	-	0.21	885
Perfluorooctanesulfonic acid (PFOS)	0.20	81	81	81	8.8	18000
Perfluorooctanoic acid (PFOA)	0.0027	81	81	81	2.4	2340
Perfluoropentanesulfonic acid (PFPeS)	-	81	81	-	0.9	450
Perfluoropentanoic acid (PFPeA)	-	81	81	-	2	2990
Perfluorotetradecanoic acid (PFTeDA)	-	81	0	-	0.49	38
Perfluorotridecanoic acid (PFTrDA)	-	81	0	-	0.86	77
Perfluoroundecanoic acid (PFUnA)	-	81	7	-	0.49	38

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	4				
	Source Area:	08. Arch Hangar				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	48	0	-	2.1	7
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	67	8	-	1	8.2
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	67	4	-	0.75	8.2
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	67	38	-	0.89	158
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	48	0	-	18	33
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	48	0	-	18	33
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	48	0	-	5.7	83
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	48	0	-	3	4.1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	48	0	-	3	7
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	48	0	0	1.8	4.3
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	48	1	-	0.79	4.1
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	67	3	-	0.48	4.1
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	48	2	-	3.6	180
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	67	0	-	0.9	18
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	67	0	-	0.9	4.1
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	48	1	-	2.2	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	48	0	-	3.6	64
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	48	0	-	1.8	3.3
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	48	0	-	1.8	17
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	48	0	-	0.45	40
Perfluorobutanesulfonic acid (PFBS)	600	67	64	0	0.41	23
Perfluorobutanoic acid (PFBA)	1800	67	66	0	2.3	40
Perfluorodecanesulfonic acid (PFDS)	-	67	0	-	0.42	2
Perfluorodecanoic acid (PFDA)	0.004	67	15	15	0.32	2
Perfluorododecanesulfonic acid (PFDoS)	-	48	0	-	0.79	4.1
Perfluorododecanoic acid (PFDoA)	-	67	1	-	0.79	8.9
Perfluoroheptanesulfonic acid (PFHpS)	-	67	52	-	0.16	14.6
Perfluoroheptanoic acid (PFHpA)	-	67	67	-	0.71	54
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	67	67	63	1.3	640
Perfluorohexanoic acid (PFHxA)	990	67	67	0	1.6	150
Perfluorononanesulfonic acid (PFNS)	-	67	4	-	0.63	2
Perfluorononanoic acid (PFNA)	5.9	67	57	1	0.19	6.1
Perfluorooctane sulfonamide (PFOSA)	-	67	43	-	0.15	14
Perfluorooctanesulfonic acid (PFOS)	0.20	67	67	67	1.3	450
Perfluorooctanoic acid (PFOA)	0.0027	67	67	67	1.3	180
Perfluoropentanesulfonic acid (PFPeS)	-	67	65	-	0.28	36
Perfluoropentanoic acid (PFPeA)	-	67	66	-	2.4	140
Perfluorotetradecanoic acid (PFTeDA)	-	67	0	-	0.45	8.9
Perfluorotridecanoic acid (PFTTrDA)	-	67	0	-	0.86	8.9
Perfluoroundecanoic acid (PFUnA)	-	67	0	-	0.45	2

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	4				
	Source Area:	09. Jet Engine Maintenance				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	81	0	-	2.4	6.7
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	108	3	-	1.4	9.5
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	108	3	-	1.6	44
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	108	28	-	0.89	1100
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	81	0	-	18	33
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	81	0	-	18	33
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	81	0	-	6.5	12
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	81	0	-	3.2	4.8
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	81	0	-	3.4	6.7
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	81	0	0	1.8	4.1
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	81	0	-	0.85	4.8
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	108	0	-	0.85	18
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	81	1	-	4.3	24
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	108	0	-	0.85	19
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	108	2	-	0.66	18
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	81	1	-	2.1	24
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	81	0	-	3.6	61
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	81	0	-	1.8	3.2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	81	0	-	1.8	3.1
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	81	0	-	0.43	4.8
Perfluorobutanesulfonic acid (PFBS)	600	108	106	0	0.57	9.8
Perfluorobutanoic acid (PFBA)	1800	108	103	0	1.7	35
Perfluorodecanesulfonic acid (PFDS)	-	108	0	-	0.4	8.9
Perfluorodecanoic acid (PFDA)	0.004	108	2	2	0.37	8.9
Perfluorododecanesulfonic acid (PFDoS)	-	81	0	-	0.85	4.8
Perfluorododecanoic acid (PFDoA)	-	108	1	-	0.42	8.9
Perfluoroheptanesulfonic acid (PFHpS)	-	108	67	-	0.16	8.9
Perfluoroheptanoic acid (PFHpA)	-	108	108	-	1.3	18.7
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	108	108	105	7.5	275
Perfluorohexanoic acid (PFHxA)	990	108	108	0	1.1	47
Perfluorononanesulfonic acid (PFNS)	-	108	0	-	0.8	8.9
Perfluorononanoic acid (PFNA)	5.9	108	59	0	0.17	2.2
Perfluorooctane sulfonamide (PFOSA)	-	108	31	-	0.14	9
Perfluorooctanesulfonic acid (PFOS)	0.20	108	108	108	0.96	220
Perfluorooctanoic acid (PFOA)	0.0027	108	108	108	2.3	52.5
Perfluoropentanesulfonic acid (PFPeS)	-	108	105	-	0.49	8.1
Perfluoropentanoic acid (PFPeA)	-	108	108	-	1.2	33
Perfluorotetradecanoic acid (PFTeDA)	-	108	1	-	0.43	8.9
Perfluorotridecanoic acid (PFTrDA)	-	108	0	-	0.85	8.9
Perfluoroundecanoic acid (PFUnA)	-	108	1	-	0.43	8.9

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	4				
	Source Area:	16. Fuel Tank Farm				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	63	0	-	2.5	11
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	89	1	-	1.4	11
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	89	0	-	1.7	11
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	89	20	-	0.9	25.4
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	63	0	-	18	38
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	63	0	-	18	38
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	63	0	-	6.6	15
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	63	0	-	3.4	5.7
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	63	0	-	3.4	11
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	63	0	0	1.8	6.1
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	63	0	-	0.9	5.3
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	89	1	-	0.51	5.3
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	63	2	-	2	27
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	89	1	-	0.9	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	89	0	-	0.9	5.3
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	63	2	-	1.3	27
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	63	0	-	3.6	66
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	63	0	-	1.8	5.3
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	63	0	-	1.8	17
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	63	0	-	0.45	5.3
Perfluorobutanesulfonic acid (PFBS)	600	89	63	0	0.17	5.6
Perfluorobutanoic acid (PFBA)	1800	89	69	0	1.1	33
Perfluorodecanesulfonic acid (PFDS)	-	89	0	-	0.42	2.7
Perfluorodecanoic acid (PFDA)	0.004	89	2	2	0.36	2.7
Perfluorododecanesulfonic acid (PFDoS)	-	63	0	-	0.9	5.3
Perfluorododecanoic acid (PFDoA)	-	89	0	-	0.86	2.7
Perfluoroheptanesulfonic acid (PFHpS)	-	89	30	-	0.17	5.2
Perfluoroheptanoic acid (PFHpA)	-	89	66	-	0.27	8.4
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	89	77	53	0.47	170
Perfluorohexanoic acid (PFHxA)	990	89	75	0	0.39	39
Perfluorononanesulfonic acid (PFNS)	-	89	0	-	0.85	2.7
Perfluorononanoic acid (PFNA)	5.9	89	32	0	0.17	2.7
Perfluorooctane sulfonamide (PFOSA)	-	89	15	-	0.23	10
Perfluorooctanesulfonic acid (PFOS)	0.20	89	73	73	0.43	218
Perfluorooctanoic acid (PFOA)	0.0027	89	75	75	0.13	61
Perfluoropentanesulfonic acid (PFPeS)	-	89	52	-	0.23	8.2
Perfluoropentanoic acid (PFPeA)	-	89	74	-	0.5	11.1
Perfluorotetradecanoic acid (PFTeDA)	-	89	0	-	0.45	8.9
Perfluorotridecanoic acid (PFTTrDA)	-	89	0	-	0.86	2.7
Perfluoroundecanoic acid (PFUnA)	-	89	0	-	0.45	2.7

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	4				
	Source Area:	19. KC-135 Crash Area				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	10	0	-	3.6	6.6
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	14	0	-	2	8.5
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	14	0	-	1.9	8.5
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	14	3	-	1.3	8.5
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	10	0	-	18	31
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	10	0	-	18	31
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	10	0	-	8.8	11
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	10	0	-	3.6	4.3
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	10	0	-	3.6	6.6
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	10	0	0	1.8	4
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	10	0	-	1	4.3
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	14	0	-	1	4.3
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	10	0	-	5	21
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	14	0	-	1	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	14	0	-	1	4.3
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	10	0	-	2.5	21
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	10	0	-	3.6	60
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	10	0	-	1.8	3.1
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	10	0	-	1.8	2.1
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	10	0	-	0.5	4.3
Perfluorobutanesulfonic acid (PFBS)	600	14	9	0	0.55	2.1
Perfluorobutanoic acid (PFBA)	1800	14	11	0	2	7.9
Perfluorodecanesulfonic acid (PFDS)	-	14	0	-	0.47	2.1
Perfluorodecanoic acid (PFDA)	0.004	14	0	0	1	2.1
Perfluorododecanesulfonic acid (PFDoS)	-	10	0	-	1	4.3
Perfluorododecanoic acid (PFDoA)	-	14	0	-	1	2.1
Perfluoroheptanesulfonic acid (PFHpS)	-	14	0	-	0.47	2.1
Perfluoroheptanoic acid (PFHpA)	-	14	7	-	0.41	2
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	14	14	1	2.7	11.4
Perfluorohexanoic acid (PFHxA)	990	14	9	0	0.57	2.5
Perfluorononanesulfonic acid (PFNS)	-	14	0	-	0.94	2.1
Perfluorononanoic acid (PFNA)	5.9	14	2	0	0.25	2.1
Perfluorooctane sulfonamide (PFOSA)	-	14	0	-	0.25	2.1
Perfluorooctanesulfonic acid (PFOS)	0.20	14	12	12	1	10.7
Perfluorooctanoic acid (PFOA)	0.0027	14	13	13	0.82	4.3
Perfluoropentanesulfonic acid (PFPeS)	-	14	5	-	0.3	4.3
Perfluoropentanoic acid (PFPeA)	-	14	10	-	0.95	6.2
Perfluorotetradecanoic acid (PFTeDA)	-	14	0	-	0.5	2.1
Perfluorotridecanoic acid (PFTrDA)	-	14	0	-	1	2.1
Perfluoroundecanoic acid (PFUnA)	-	14	0	-	0.5	2.1

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	4				
	Source Area:	21. Flight Line Drainage Ditch				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	30	0	-	2.3	62
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	44	8	-	1	36
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	44	3	-	0.55	18
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	44	13	-	0.79	102
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	30	0	-	13	290
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	30	0	-	14	290
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	30	0	-	3.5	83
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	30	0	-	1.2	36
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	30	0	-	3.1	62
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	30	0	0	1.1	38
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	30	0	-	0.26	9.5
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	44	0	-	0.36	9.5
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	30	0	-	1.7	47
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	44	0	-	0.35	19
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	44	0	-	0.4	9.5
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	30	1	-	1.2	24
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	30	0	-	3.6	570
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	30	0	-	1	29
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	30	0	-	0.54	19
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	30	0	-	0.24	4.7
Perfluorobutanesulfonic acid (PFBS)	600	44	41	0	0.47	22
Perfluorobutanoic acid (PFBA)	1800	44	41	0	1.99	28.6
Perfluorodecanesulfonic acid (PFDS)	-	44	0	-	0.23	4.4
Perfluorodecanoic acid (PFDA)	0.004	44	3	3	0.28	9.5
Perfluorododecanesulfonic acid (PFDoS)	-	30	0	-	0.34	9.5
Perfluorododecanoic acid (PFDoA)	-	44	0	-	0.26	9.5
Perfluoroheptanesulfonic acid (PFHpS)	-	44	30	-	0.15	23.9
Perfluoroheptanoic acid (PFHpA)	-	44	43	-	1.2	46.6
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	44	41	34	0.97	770
Perfluorohexanoic acid (PFHxA)	990	44	43	0	1.4	170
Perfluorononanesulfonic acid (PFNS)	-	44	2	-	0.32	8.9
Perfluorononanoic acid (PFNA)	5.9	44	30	2	0.15	8
Perfluorooctane sulfonamide (PFOSA)	-	44	28	-	0.12	26
Perfluorooctanesulfonic acid (PFOS)	0.20	44	38	38	0.19	1300
Perfluorooctanoic acid (PFOA)	0.0027	44	43	43	1.5	180
Perfluoropentanesulfonic acid (PFPeS)	-	44	34	-	0.17	32
Perfluoropentanoic acid (PFPeA)	-	44	43	-	1.1	102
Perfluorotetradecanoic acid (PFTeDA)	-	44	0	-	0.22	4.7
Perfluorotridecanoic acid (PFTTrDA)	-	44	0	-	0.39	9.5
Perfluoroundecanoic acid (PFUnA)	-	44	0	-	0.16	4.7

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	4				
	Source Area:	22. WWTP				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	12	0	-	3.6	6.6
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	18	0	-	2	8
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	18	0	-	1.9	8
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	18	3	-	1.2	8
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	12	0	-	18	31
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	12	0	-	18	31
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	12	0	-	8.8	10
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	12	0	-	3.6	4
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	12	0	-	3.6	6.6
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	12	0	0	1.8	4
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	12	0	-	1	4
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	18	0	-	1	18
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	12	0	-	5	20
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	18	0	-	1	22
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	18	0	-	1	18
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	12	0	-	2.5	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	12	0	-	3.6	60
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	12	0	-	1.8	3.1
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	12	0	-	1.8	2
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	12	0	-	0.5	4
Perfluorobutanesulfonic acid (PFBS)	600	18	9	0	0.16	2.5
Perfluorobutanoic acid (PFBA)	1800	18	5	0	1.1	19
Perfluorodecanesulfonic acid (PFDS)	-	18	0	-	0.47	2.2
Perfluorodecanoic acid (PFDA)	0.004	18	0	0	1	2.2
Perfluorododecanesulfonic acid (PFDoS)	-	12	0	-	1	4
Perfluorododecanoic acid (PFDoA)	-	18	0	-	1	8.8
Perfluoroheptanesulfonic acid (PFHpS)	-	18	4	-	0.25	2.2
Perfluoroheptanoic acid (PFHpA)	-	18	11	-	0.24	3.2
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	18	18	11	1.4	30.8
Perfluorohexanoic acid (PFHxA)	990	18	14	0	0.31	6
Perfluorononanesulfonic acid (PFNS)	-	18	0	-	0.94	2.2
Perfluorononanoic acid (PFNA)	5.9	18	6	0	0.45	2.2
Perfluorooctane sulfonamide (PFOSA)	-	18	1	-	0.25	2.2
Perfluorooctanesulfonic acid (PFOS)	0.20	18	17	17	1.6	54.9
Perfluorooctanoic acid (PFOA)	0.0027	18	15	15	0.34	7.3
Perfluoropentanesulfonic acid (PFPeS)	-	18	4	-	0.23	4
Perfluoropentanoic acid (PFPeA)	-	18	11	-	0.35	7.4
Perfluorotetradecanoic acid (PFTeDA)	-	18	0	-	0.5	9.3
Perfluorotridecanoic acid (PFTrDA)	-	18	0	-	1	8.8
Perfluoroundecanoic acid (PFUnA)	-	18	0	-	0.5	2.2

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	4				
	Source Area:	23. Base Laundry				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	32	0	-	2.4	6.9
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	51	5	-	1.89	8.9
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	51	0	-	1.7	8.8
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	51	8	-	1.7	44
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	32	0	-	18	33
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	32	0	-	18	33
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	32	0	-	6.3	11
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	32	0	-	3.2	4.4
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	32	0	-	3.2	6.9
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	32	0	0	1.8	4.2
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	32	0	-	0.87	4.4
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	51	0	-	0.86	4.4
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	32	0	-	4.4	22
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	51	0	-	0.87	19
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	51	0	-	0.87	4.4
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	32	0	-	2.2	22
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	32	0	-	3.6	62
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	32	0	-	1.8	3.2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	32	0	-	1.7	3.1
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	32	0	-	0.44	4.4
Perfluorobutanesulfonic acid (PFBS)	600	51	45	0	0.75	4.6
Perfluorobutanoic acid (PFBA)	1800	51	48	0	1.9	8.8
Perfluorodecanesulfonic acid (PFDS)	-	51	0	-	0.41	2.2
Perfluorodecanoic acid (PFDA)	0.004	51	2	2	0.33	2.2
Perfluorododecanesulfonic acid (PFDoS)	-	32	0	-	0.86	4.4
Perfluorododecanoic acid (PFDoA)	-	51	0	-	0.86	2.2
Perfluoroheptanesulfonic acid (PFHpS)	-	51	34	-	0.18	3.6
Perfluoroheptanoic acid (PFHpA)	-	51	51	-	1.2	12.8
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	51	51	43	5.2	85.8
Perfluorohexanoic acid (PFHxA)	990	51	51	0	1.4	23.7
Perfluorononanesulfonic acid (PFNS)	-	51	0	-	0.82	2.2
Perfluorononanoic acid (PFNA)	5.9	51	33	0	0.36	2.2
Perfluorooctane sulfonamide (PFOSA)	-	51	13	-	0.12	11.1
Perfluorooctanesulfonic acid (PFOS)	0.20	51	51	51	6.9	280
Perfluorooctanoic acid (PFOA)	0.0027	51	51	51	4.4	31.2
Perfluoropentanesulfonic acid (PFPeS)	-	51	48	-	0.75	5.7
Perfluoropentanoic acid (PFPeA)	-	51	51	-	1.9	23.3
Perfluorotetradecanoic acid (PFTeDA)	-	51	0	-	0.44	2.2
Perfluorotridecanoic acid (PFTTrDA)	-	51	0	-	0.87	2.2
Perfluoroundecanoic acid (PFUnA)	-	51	0	-	0.44	2.2

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	5				
	Source Area:	02. Landfill No. 2				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	42	0	-	3.6	6.9
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	61	1	-	1.5	11
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	61	0	-	1.7	11
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	61	3	-	1.7	11
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	42	0	-	18	32
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	42	0	-	18	32
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	42	0	-	7.9	13
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	42	0	-	3.4	5.3
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	42	0	-	3.6	6.9
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	42	0	0	1.8	4.2
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	42	1	-	0.4	5.3
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	61	11	-	0.36	6.8
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	42	1	-	4	26
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	61	1	-	0.34	26
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	61	2	-	0.9	5.3
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	42	1	-	2.3	26
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	42	0	-	3.6	62
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	42	0	-	1.8	3.2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	42	0	-	1.8	2.6
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	42	0	-	0.45	5.3
Perfluorobutanesulfonic acid (PFBS)	600	61	27	0	0.15	2.6
Perfluorobutanoic acid (PFBA)	1800	61	29	0	0.55	25
Perfluorodecanesulfonic acid (PFDS)	-	61	1	-	0.28	2.6
Perfluorodecanoic acid (PFDA)	0.004	61	2	2	0.29	2.6
Perfluorododecanesulfonic acid (PFDoS)	-	42	0	-	0.9	5.3
Perfluorododecanoic acid (PFDoA)	-	61	1	-	0.31	11
Perfluoroheptanesulfonic acid (PFHpS)	-	61	13	-	0.15	2.6
Perfluoroheptanoic acid (PFHpA)	-	61	35	-	0.15	3.2
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	61	52	12	0.22	18
Perfluorohexanoic acid (PFHxA)	990	61	43	0	0.29	7
Perfluorononanesulfonic acid (PFNS)	-	61	1	-	0.31	2.6
Perfluorononanoic acid (PFNA)	5.9	61	19	0	0.15	2.6
Perfluorooctane sulfonamide (PFOSA)	-	61	5	-	0.23	13
Perfluorooctanesulfonic acid (PFOS)	0.20	61	51	51	0.47	51.8
Perfluorooctanoic acid (PFOA)	0.0027	61	47	47	0.25	17
Perfluoropentanesulfonic acid (PFPeS)	-	61	16	-	0.22	5.3
Perfluoropentanoic acid (PFPeA)	-	61	37	-	0.2	6
Perfluorotetradecanoic acid (PFTeDA)	-	61	1	-	0.25	13
Perfluorotridecanoic acid (PFTrDA)	-	61	0	-	0.9	11
Perfluoroundecanoic acid (PFUnA)	-	61	1	-	0.31	11

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	6				
	Source Area:	02. Landfill No. 3				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	68	0	-	3.4	6.8
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	98	0	-	1.9	9.4
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	98	0	-	1.7	9.4
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	98	12	-	1	14.6
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	68	0	-	17	32
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	68	0	-	17	32
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	68	0	-	8	12
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	68	0	-	3.4	4.7
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	68	0	-	3.4	6.8
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	68	0	0	1.7	4.1
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	68	0	-	0.91	4.7
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	98	16	-	0.71	23
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	68	0	-	4.5	24
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	98	0	-	0.91	23
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	98	11	-	0.48	23
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	68	0	-	2.3	24
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	68	0	-	3.4	62
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	68	0	-	1.7	3.2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	68	0	-	1.7	2.4
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	68	0	-	0.45	4.7
Perfluorobutanesulfonic acid (PFBS)	600	98	28	0	0.19	32.2
Perfluorobutanoic acid (PFBA)	1800	98	28	0	0.7	19.4
Perfluorodecanesulfonic acid (PFDS)	-	98	0	-	0.43	11
Perfluorodecanoic acid (PFDA)	0.004	98	2	2	0.61	2.4
Perfluorododecanesulfonic acid (PFDoS)	-	68	0	-	0.91	4.7
Perfluorododecanoic acid (PFDoA)	-	98	0	-	0.91	11
Perfluoroheptanesulfonic acid (PFHpS)	-	98	13	-	0.2	3.7
Perfluoroheptanoic acid (PFHpA)	-	98	45	-	0.22	15.1
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	98	58	8	0.27	102
Perfluorohexanoic acid (PFHxA)	990	98	51	0	0.15	57.1
Perfluorononanesulfonic acid (PFNS)	-	98	0	-	0.85	2.4
Perfluorononanoic acid (PFNA)	5.9	98	15	0	0.16	2.4
Perfluorooctane sulfonamide (PFOSA)	-	98	26	-	0.14	28
Perfluorooctanesulfonic acid (PFOS)	0.20	98	58	58	0.43	65
Perfluorooctanoic acid (PFOA)	0.0027	98	62	62	0.13	25
Perfluoropentanesulfonic acid (PFPeS)	-	98	21	-	0.26	27.8
Perfluoropentanoic acid (PFPeA)	-	98	45	-	0.26	56.6
Perfluorotetradecanoic acid (PFTeDA)	-	98	0	-	0.45	11
Perfluorotridecanoic acid (PFTTrDA)	-	98	0	-	0.91	11
Perfluoroundecanoic acid (PFUnA)	-	98	0	-	0.45	11

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	Outside Flow Fields				
	Source Area:	Butterfield Brook Drainage				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	18	0	-	3.6	7.1
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	28	0	-	3.5	8
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	28	0	-	1.7	19
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	28	2	-	1.7	8
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	18	0	-	18	33
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	18	0	-	18	33
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	18	0	-	8	10
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	18	0	-	3.5	4.1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	18	0	-	3.6	7.1
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	18	0	0	1.8	4.3
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	18	0	-	0.91	4
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	28	0	-	0.91	4
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	18	0	-	4.5	20
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	28	0	-	0.91	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	28	0	-	0.91	4
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	18	0	-	2.3	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	18	0	-	3.6	65
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	18	0	-	1.8	3.3
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	18	0	-	1.8	2.2
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	18	0	-	0.45	4
Perfluorobutanesulfonic acid (PFBS)	600	28	11	0	0.44	6.7
Perfluorobutanoic acid (PFBA)	1800	28	11	0	1.7	19
Perfluorodecanesulfonic acid (PFDS)	-	28	0	-	0.43	2
Perfluorodecanoic acid (PFDA)	0.004	28	0	0	0.91	2
Perfluorododecanesulfonic acid (PFDoS)	-	18	0	-	0.91	4
Perfluorododecanoic acid (PFDoA)	-	28	0	-	0.91	9.3
Perfluoroheptanesulfonic acid (PFHpS)	-	28	6	-	0.43	2.3
Perfluoroheptanoic acid (PFHpA)	-	28	11	-	0.5	6.1
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	28	20	10	0.47	96.2
Perfluorohexanoic acid (PFHxA)	990	28	13	0	0.5	20.5
Perfluorononanesulfonic acid (PFNS)	-	28	0	-	0.85	2
Perfluorononanoic acid (PFNA)	5.9	28	3	0	0.43	2
Perfluorooctane sulfonamide (PFOSA)	-	28	2	-	0.2	2
Perfluorooctanesulfonic acid (PFOS)	0.20	28	12	12	0.47	72.8
Perfluorooctanoic acid (PFOA)	0.0027	28	11	11	0.25	23.5
Perfluoropentanesulfonic acid (PFPeS)	-	28	9	-	0.47	5.7
Perfluoropentanoic acid (PFPeA)	-	28	12	-	0.5	18.4
Perfluorotetradecanoic acid (PFTeDA)	-	28	0	-	0.45	10
Perfluorotridecanoic acid (PFTrDA)	-	28	0	-	0.91	9.3
Perfluoroundecanoic acid (PFUnA)	-	28	0	-	0.45	2

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	Outside Flow Fields				
	Source Area:	Greenlaw Brook Drainage				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	99	0	-	2.1	6.6
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	139	0	-	1	9.6
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	139	0	-	0.55	74
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	139	15	-	0.79	74
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	99	0	-	13	33
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	99	0	-	14	33
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	99	0	-	3.5	12
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	99	0	-	1.2	4.8
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	99	0	-	2.9	6.6
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	99	0	0	1.1	4
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	99	0	-	0.26	4.8
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	139	0	-	0.36	19
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	99	2	-	1.7	24
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	139	0	-	0.35	23
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	139	0	-	0.4	4.8
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	99	1	-	1.2	24
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	99	0	-	3.4	60
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	99	0	-	1	3.1
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	99	0	-	0.54	3.1
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	99	0	-	0.24	4.8
Perfluorobutanesulfonic acid (PFBS)	600	139	88	0	0.22	4.7
Perfluorobutanoic acid (PFBA)	1800	139	88	0	0.52	34.1
Perfluorodecanesulfonic acid (PFDS)	-	139	0	-	0.23	2.4
Perfluorodecanoic acid (PFDA)	0.004	139	1	1	0.28	2.4
Perfluorododecanesulfonic acid (PFDoS)	-	99	0	-	0.34	4.8
Perfluorododecanoic acid (PFDoA)	-	139	0	-	0.26	9.3
Perfluoroheptanesulfonic acid (PFHpS)	-	139	31	-	0.16	2.4
Perfluoroheptanoic acid (PFHpA)	-	139	95	-	0.15	9.6
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	139	107	38	0.35	93.4
Perfluorohexanoic acid (PFHxA)	990	139	114	0	0.18	21.5
Perfluorononanesulfonic acid (PFNS)	-	139	0	-	0.32	2.4
Perfluorononanoic acid (PFNA)	5.9	139	37	0	0.16	3.2
Perfluorooctane sulfonamide (PFOSA)	-	139	23	-	0.13	63.3
Perfluorooctanesulfonic acid (PFOS)	0.20	139	105	105	0.42	110
Perfluorooctanoic acid (PFOA)	0.0027	139	104	104	0.23	19.7
Perfluoropentanesulfonic acid (PFPeS)	-	139	73	-	0.22	6.2
Perfluoropentanoic acid (PFPeA)	-	139	107	-	0.45	24.3
Perfluorotetradecanoic acid (PFTeDA)	-	139	0	-	0.22	9.3
Perfluorotridecanoic acid (PFTrDA)	-	139	0	-	0.39	9.3
Perfluoroundecanoic acid (PFUnA)	-	139	1	-	0.16	9.3

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	Outside Flow Fields				
	Source Area:	North Wherry				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	20	0	-	3.6	6.6
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	20	0	-	3.4	8
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	20	0	-	1.7	8
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	20	1	-	1.7	8
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	20	0	-	18	31
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	20	0	-	18	31
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	20	0	-	7.9	10
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	20	0	-	3.4	4
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	20	0	-	3.6	6.6
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	20	0	0	1.8	4
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	20	0	-	0.9	4
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	20	0	-	0.9	4
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	20	0	-	4.5	20
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	20	0	-	0.9	4
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	20	0	-	0.9	4
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	20	0	-	2.3	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	20	0	-	3.6	60
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	20	0	-	1.8	3.1
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	20	0	-	1.8	2
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	20	0	-	0.45	4
Perfluorobutanesulfonic acid (PFBS)	600	20	7	0	0.16	2
Perfluorobutanoic acid (PFBA)	1800	20	3	0	0.58	4
Perfluorodecanesulfonic acid (PFDS)	-	20	0	-	0.42	2
Perfluorodecanoic acid (PFDA)	0.004	20	0	0	0.9	2
Perfluorododecanesulfonic acid (PFDoS)	-	20	0	-	0.9	4
Perfluorododecanoic acid (PFDoA)	-	20	0	-	0.9	2
Perfluoroheptanesulfonic acid (PFHpS)	-	20	1	-	0.42	2
Perfluoroheptanoic acid (PFHpA)	-	20	5	-	0.2	2
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	20	16	2	0.44	34
Perfluorohexanoic acid (PFHxA)	990	20	7	0	0.15	2
Perfluorononanesulfonic acid (PFNS)	-	20	0	-	0.85	2
Perfluorononanoic acid (PFNA)	5.9	20	3	0	0.18	2
Perfluorooctane sulfonamide (PFOSA)	-	20	2	-	0.23	2
Perfluorooctanesulfonic acid (PFOS)	0.20	20	17	17	0.47	21
Perfluorooctanoic acid (PFOA)	0.0027	20	14	14	0.21	8.9
Perfluoropentanesulfonic acid (PFPeS)	-	20	1	-	0.41	4
Perfluoropentanoic acid (PFPeA)	-	20	2	-	0.25	2
Perfluorotetradecanoic acid (PFTeDA)	-	20	0	-	0.45	2
Perfluorotridecanoic acid (PFTrDA)	-	20	0	-	0.9	2
Perfluoroundecanoic acid (PFUnA)	-	20	0	-	0.45	2

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-2
Groundwater PFAS Analytical Statistics

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

Analyte	Flow Field:	Outside Flow Fields				
	Source Area:	Noyes Pond Drainage				
	USEPA Tap Water RSL (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tap Water RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	12	0	-	3.7	6.6
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	18	0	-	3.6	8
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	18	0	-	1.9	80
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	18	7	-	0.97	35.6
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	12	0	-	19	31
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	12	0	-	19	31
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	12	0	-	8.8	10
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	12	0	-	3.7	4
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	12	0	-	3.7	6.6
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	12	0	0	1.9	4
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	12	0	-	1	4
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	18	0	-	1	4
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	12	0	-	5	20
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	18	0	-	1	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	18	0	-	1	4
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	12	0	-	2.5	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	12	0	-	3.7	60
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	12	0	-	1.9	3.1
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	12	0	-	1.9	2
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	12	0	-	0.5	4
Perfluorobutanesulfonic acid (PFBS)	600	18	0	0	0.44	2
Perfluorobutanoic acid (PFBA)	1800	18	0	0	2	4
Perfluorodecanesulfonic acid (PFDS)	-	18	0	-	0.47	2
Perfluorodecanoic acid (PFDA)	0.004	18	0	0	1	2
Perfluorododecanesulfonic acid (PFDoS)	-	12	0	-	1	4
Perfluorododecanoic acid (PFDoA)	-	18	0	-	1	2
Perfluoroheptanesulfonic acid (PFHpS)	-	18	0	-	0.47	2
Perfluoroheptanoic acid (PFHpA)	-	18	0	-	0.5	2
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	18	5	0	0.37	2
Perfluorohexanoic acid (PFHxA)	990	18	1	0	0.15	2
Perfluorononanesulfonic acid (PFNS)	-	18	0	-	0.94	2
Perfluorononanoic acid (PFNA)	5.9	18	0	0	0.5	2
Perfluorooctane sulfonamide (PFOSA)	-	18	0	-	0.25	9.8
Perfluorooctanesulfonic acid (PFOS)	0.20	18	6	6	0.47	2
Perfluorooctanoic acid (PFOA)	0.0027	18	1	1	0.16	2
Perfluoropentanesulfonic acid (PFPeS)	-	18	0	-	0.47	4
Perfluoropentanoic acid (PFPeA)	-	18	3	-	0.5	21.8
Perfluorotetradecanoic acid (PFTeDA)	-	18	0	-	0.5	8.9
Perfluorotridecanoic acid (PFTrDA)	-	18	0	-	1	2
Perfluoroundecanoic acid (PFUnA)	-	18	0	-	0.5	2

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Created by: EDB 1/23/2026
Checked by: MEG 1/27/2026
Revised by: EDB 4/13/2026
Checked by: FD 4/14/2026

Table O-3
Surface Water PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Greenlaw Brook				
	Swimming Screening Levels (ng/L)	Number of Samples	Number of Detections	Number of Swimming SL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	37	0	-	2.4	40
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	100	13	-	1.8	109
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	100	4	-	1.97	90
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	100	29	-	1.8	224
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	37	0	-	18	34
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	37	0	-	18	34
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	37	0	-	6.3	100
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	37	0	-	3.2	40
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	37	0	-	3.2	40
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	37	0	0	1.8	20
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	37	0	-	1.3	4.8
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	100	0	-	0.86	20
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	37	0	-	8.6	24
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	100	0	-	1.3	89
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	100	0	-	1.3	20
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	37	0	-	8.6	24
Nonafluoro-3,6-dioxahheptanoic acid (NFDHA)	-	37	0	-	3.6	27
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEISA)	-	37	0	-	1.8	2.4
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	37	0	-	1.8	3.1
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	37	0	-	1.3	40
Perfluorobutanesulfonic acid (PFBS)	30000	100	76	0	0.54	49.2
Perfluorobutanoic acid (PFBA)	57000	100	87	0	2.1	74
Perfluorodecanesulfonic acid (PFDS)	-	100	10	-	0.71	38.9
Perfluorodecanoic acid (PFDA)	0.20	100	9	9	0.86	9
Perfluorododecanesulfonic acid (PFDoS)	-	37	0	-	0.86	4.8
Perfluorododecanoic acid (PFDoA)	-	100	1	-	0.86	40
Perfluoroheptanesulfonic acid (PFHpS)	-	100	64	-	0.71	76.8
Perfluoroheptanoic acid (PFHpA)	-	100	92	-	0.57	183
Perfluorohexanesulfonic acid (PFHxS)	1800	100	94	0	1	701
Perfluorohexanoic acid (PFHxA)	46000	100	89	0	0.65	200
Perfluorononanesulfonic acid (PFNS)	-	100	12	-	0.62	40
Perfluorononanoic acid (PFNA)	260	100	75	0	0.72	55.7
Perfluorooctane sulfonamide (PFOSA)	-	100	36	-	0.79	58.8
Perfluorooctanesulfonic acid (PFOS)	10	100	92	82	1.8	5590
Perfluorooctanoic acid (PFOA)	0.25	100	91	91	0.9	214
Perfluoropentanesulfonic acid (PFPeS)	-	100	72	-	1.5	73.4
Perfluoropentanoic acid (PFPeA)	-	100	88	-	1.8	211
Perfluorotetradecanoic acid (PFTeDA)	-	100	0	-	0.86	45
Perfluorotridecanoic acid (PFTeDA)	-	100	0	-	1.3	40
Perfluoroundecanoic acid (PFUnA)	-	100	5	-	0.74	10

Notes

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

Table O-3
Surface Water PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Butterfield Brook				
	Swimming Screening Levels (ng/L)	Number of Samples	Number of Detections	Number of Swimming SL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	11	0	-	3.6	5.5
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	35	0	-	1.98	11
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	35	0	-	1.98	11
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	35	0	-	1.98	11
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	11	0	-	18	27
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	11	0	-	18	27
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	11	0	-	8.9	14
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	11	0	-	3.6	5.5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	11	0	-	3.6	5.5
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	11	0	0	1.8	2.7
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	11	0	-	3.6	5.5
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	35	0	-	1.98	5.5
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	11	0	-	18	27
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	35	0	-	3.4	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	35	0	-	1.98	5.5
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	11	0	-	18	27
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	11	0	-	3.6	5.5
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	11	0	-	1.8	2.7
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	11	0	-	1.8	2.7
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	11	0	-	3.6	5.5
Perfluorobutanesulfonic acid (PFBS)	30000	35	10	0	0.52	2.5
Perfluorobutanoic acid (PFBA)	57000	35	18	0	1.13	15.6
Perfluorodecanesulfonic acid (PFDS)	-	35	0	-	1.7	2.7
Perfluorodecanoic acid (PFDA)	0.20	35	1	1	1.2	2.7
Perfluorododecanesulfonic acid (PFDoS)	-	11	0	-	3.6	5.5
Perfluorododecanoic acid (PFDoA)	-	35	0	-	1.7	2.7
Perfluoroheptanesulfonic acid (PFHpS)	-	35	4	-	0.88	2.7
Perfluoroheptanoic acid (PFHpA)	-	35	31	-	0.52	8.8
Perfluorohexanesulfonic acid (PFHxS)	1800	35	32	0	1.8	34.5
Perfluorohexanoic acid (PFHxA)	46000	35	29	0	0.65	8.5
Perfluorononanesulfonic acid (PFNS)	-	35	1	-	1.7	5.6
Perfluorononanoic acid (PFNA)	260	35	6	0	0.88	2.5
Perfluorooctane sulfonamide (PFOSA)	-	35	4	-	1.7	10
Perfluorooctanesulfonic acid (PFOS)	10	35	33	19	1.1	481
Perfluorooctanoic acid (PFOA)	0.25	35	32	32	0.78	8.6
Perfluoropentanesulfonic acid (PFPeS)	-	35	5	-	1.5	5.5
Perfluoropentanoic acid (PFPeA)	-	35	22	-	1.4	17
Perfluorotetradecanoic acid (PFTeDA)	-	35	0	-	1.7	10
Perfluorotridecanoic acid (PFTrDA)	-	35	0	-	1.7	2.7
Perfluoroundecanoic acid (PFUnA)	-	35	1	-	1.4	2.7

Notes

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

Table O-3
Surface Water PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Reference Drainages				
	Swimming Screening Levels (ng/L)	Number of Samples	Number of Detections	Number of Swimming SL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	4	0	-	3.8	4
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	9	0	-	3.6	8
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	9	0	-	3.6	8
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	9	0	-	3.6	8
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	4	0	-	19	20
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	4	0	-	19	20
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	4	0	-	9.4	10
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	4	0	-	3.8	4
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	4	0	-	3.8	4
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	4	0	0	1.9	2
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	4	0	-	3.8	4
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	9	0	-	3.6	4
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	4	0	-	19	20
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	4	0	-	3.8	18
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	9	0	-	3.6	4
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	4	0	-	19	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	4	0	-	3.8	4
Perfluoro(2-ethoxyethane)sulfonic acid (PFEE-SA)	-	4	0	-	1.9	2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	4	0	-	1.9	2
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	4	0	-	3.8	4
Perfluorobutanesulfonic acid (PFBS)	30000	9	1	0	0.48	2
Perfluorobutanoic acid (PFBA)	57000	9	5	0	1.9	4
Perfluorodecanesulfonic acid (PFDS)	-	9	0	-	1.8	2
Perfluorodecanoic acid (PFDA)	0.20	9	0	0	1.8	2
Perfluorododecanesulfonic acid (PFDoS)	-	4	0	-	3.8	4
Perfluorododecanoic acid (PFDoA)	-	9	0	-	1.8	2
Perfluoroheptanesulfonic acid (PFHpS)	-	9	0	-	1.8	2
Perfluoroheptanoic acid (PFHpA)	-	9	4	-	0.88	2
Perfluorohexanesulfonic acid (PFHxS)	1800	9	1	0	1.8	6
Perfluorohexanoic acid (PFHxA)	46000	9	1	0	1.6	2
Perfluorononanesulfonic acid (PFNS)	-	9	0	-	1.8	2
Perfluorononanoic acid (PFNA)	260	9	0	0	1.8	2
Perfluorooctane sulfonamide (PFOSA)	-	9	0	-	1.8	9.3
Perfluorooctanesulfonic acid (PFOS)	10	9	5	1	0.60	10.1
Perfluorooctanoic acid (PFOA)	0.25	9	5	5	0.72	2.2
Perfluoropentanesulfonic acid (PFPeS)	-	9	0	-	1.8	4
Perfluoropentanoic acid (PFPeA)	-	9	6	-	1.1	4.5
Perfluorotetradecanoic acid (PFTeDA)	-	9	0	-	1.8	9.3
Perfluorotridecanoic acid (PFTTrDA)	-	9	0	-	1.8	2
Perfluoroundecanoic acid (PFUnA)	-	9	0	-	1.9	2

Notes

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

Table O-4
Sediment PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Greenlaw Brook				
	Human Health Wading Sediment SL (mg/kg)	Number of Samples	Number of Detections	Number of Wading Sediment SL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	40	0	-	0.00053	0.023
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	103	3	-	0.00058	0.086
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	103	0	-	0.00052	0.023
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	103	0	-	0.00053	0.023
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	40	0	-	0.0057	0.12
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	40	0	-	0.0057	0.12
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	40	0	-	0.00038	0.023
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	40	0	-	0.00038	0.019
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	40	0	-	0.00052	0.023
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	40	0	0	0.00055	0.019
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	40	0	-	0.00014	0.0093
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	103	0	-	0.00023	0.017
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	40	0	-	0.0005	0.047
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	103	0	-	0.00023	0.086
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	103	0	-	0.00023	0.017
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	40	0	-	0.00075	0.047
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	40	0	-	0.00092	0.019
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	40	0	-	0.00025	0.0093
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	40	0	-	0.00045	0.0093
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	40	0	-	0.0002	0.0093
Perfluorobutanesulfonic acid (PFBS)	8.9	103	0	0	0.000089	0.017
Perfluorobutanoic acid (PFBA)	37	103	0	0	0.00055	0.019
Perfluorodecanesulfonic acid (PFDS)	-	103	7	-	0.00014	0.086
Perfluorodecanoic acid (PFDA)	0.000059	103	2	2	0.00023	0.086
Perfluorododecanesulfonic acid (PFDoS)	-	40	3	-	0.00023	0.0093
Perfluorododecanoic acid (PFDoA)	-	103	0	-	0.00014	0.017
Perfluoroheptanesulfonic acid (PFHpS)	-	103	2	-	0.00014	0.017
Perfluoroheptanoic acid (PFHpA)	-	103	2	-	0.00014	0.017
Perfluorohexanesulfonic acid (PFHxS)	0.59	103	17	0	0.00014	0.017
Perfluorohexanoic acid (PFHxA)	15	103	3	0	0.000093	0.017
Perfluorononanesulfonic acid (PFNS)	-	103	4	-	0.00014	0.017
Perfluorononanoic acid (PFNA)	0.089	103	1	0	0.00014	0.086
Perfluorooctane sulfonamide (PFOSA)	-	103	11	-	0.000035	0.086
Perfluorooctanesulfonic acid (PFOS)	0.0030	103	83	46	0.0002	0.315
Perfluorooctanoic acid (PFOA)	0.000086	103	9	9	0.00013	0.017
Perfluoropentanesulfonic acid (PFPeS)	-	103	0	-	0.000094	0.017
Perfluoropentanoic acid (PFPeA)	-	103	4	-	0.000084	0.017
Perfluorotetradecanoic acid (PFTeDA)	-	103	0	-	0.000075	0.021
Perfluorotridecanoic acid (PFTrDA)	-	103	0	-	0.000075	0.017
Perfluoroundecanoic acid (PFUnA)	-	103	0	-	0.0001	0.086

Notes

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

Table O-4
Sediment PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Butterfield Brook				
	Human Health Wading Sediment SL (mg/kg)	Number of Samples	Number of Detections	Number of Wading Sediment SL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	11	0	-	0.0012	0.0058
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	35	0	-	0.0011	0.0098
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	35	0	-	0.0011	0.0085
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	35	0	-	0.0011	0.0085
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	11	0	-	0.0062	0.029
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	11	0	-	0.0062	0.029
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	11	0	-	0.0012	0.0058
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	11	0	-	0.00099	0.0047
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	11	0	-	0.0012	0.0058
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	11	0	0	0.00099	0.0047
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	11	0	-	0.00049	0.0023
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	35	0	-	0.00049	0.0085
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	11	0	-	0.0025	0.012
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	35	0	-	0.00049	0.0098
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	35	0	-	0.00049	0.012
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	11	0	-	0.0025	0.012
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	11	0	-	0.00099	0.0047
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	11	0	-	0.00049	0.0023
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	11	0	-	0.00049	0.0023
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	11	0	-	0.00049	0.0023
Perfluorobutanesulfonic acid (PFBS)	8.9	35	0	0	0.00049	0.0085
Perfluorobutanoic acid (PFBA)	37	35	0	0	0.00099	0.0085
Perfluorodecanesulfonic acid (PFDS)	-	35	2	-	0.00048	0.0085
Perfluorodecanoic acid (PFDA)	0.000059	35	0	0	0.00049	0.0098
Perfluorododecanesulfonic acid (PFDoS)	-	11	1	-	0.00049	0.0023
Perfluorododecanoic acid (PFDoA)	-	35	0	-	0.00049	0.0085
Perfluoroheptanesulfonic acid (PFHpS)	-	35	0	-	0.00049	0.0085
Perfluoroheptanoic acid (PFHpA)	-	35	0	-	0.00049	0.0085
Perfluorohexanesulfonic acid (PFHxS)	0.59	35	3	0	0.00049	0.0085
Perfluorohexanoic acid (PFHxA)	15	35	0	0	0.00049	0.0085
Perfluorononanesulfonic acid (PFNS)	-	35	1	-	0.00049	0.0085
Perfluorononanoic acid (PFNA)	0.089	35	0	0	0.00049	0.0085
Perfluorooctane sulfonamide (PFOSA)	-	35	0	-	0.00049	0.0085
Perfluorooctanesulfonic acid (PFOS)	0.0030	35	21	9	0.00013	0.0184
Perfluorooctanoic acid (PFOA)	0.000086	35	0	0	0.00049	0.0085
Perfluoropentanesulfonic acid (PFPeS)	-	35	0	-	0.00049	0.0085
Perfluoropentanoic acid (PFPeA)	-	35	0	-	0.00049	0.0085
Perfluorotetradecanoic acid (PFTeDA)	-	35	0	-	0.00049	0.0085
Perfluorotridecanoic acid (PFTrDA)	-	35	0	-	0.00049	0.0085
Perfluoroundecanoic acid (PFUnA)	-	35	0	-	0.00049	0.0085

Notes

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

Table O-4
Sediment PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Reference Drainages				
	Human Health Wading Sediment SL (mg/kg)	Number of Samples	Number of Detections	Number of Wading Sediment SL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	4	0	-	0.0017	0.0043
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	7	0	-	0.00067	0.0043
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	7	0	-	0.00067	0.0043
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	7	0	-	0.00067	0.0043
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	4	0	-	0.0085	0.022
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	4	0	-	0.0085	0.022
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	4	0	-	0.0017	0.0043
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	4	0	-	0.0014	0.0034
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	4	0	-	0.0017	0.0043
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	4	0	0	0.0014	0.0034
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	4	0	-	0.00068	0.0017
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	7	0	-	0.00067	0.0017
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	4	0	-	0.0034	0.0086
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	7	0	-	0.00067	0.0017
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	7	0	-	0.00067	0.0017
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	4	0	-	0.0034	0.0086
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	4	0	-	0.0014	0.0034
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	4	0	-	0.00068	0.0017
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	4	0	-	0.00068	0.0017
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	4	0	-	0.00068	0.0017
Perfluorobutanesulfonic acid (PFBS)	8.9	7	0	0	0.00067	0.0017
Perfluorobutanoic acid (PFBA)	37	7	0	0	0.00067	0.0034
Perfluorodecanesulfonic acid (PFDS)	-	7	0	-	0.00067	0.0017
Perfluorodecanoic acid (PFDA)	0.000059	7	0	0	0.00067	0.0017
Perfluorododecanesulfonic acid (PFDoS)	-	4	0	-	0.00068	0.0017
Perfluorododecanoic acid (PFDoA)	-	7	0	-	0.00067	0.0017
Perfluoroheptanesulfonic acid (PFHpS)	-	7	0	-	0.00067	0.0017
Perfluoroheptanoic acid (PFHpA)	-	7	0	-	0.00067	0.0017
Perfluorohexanesulfonic acid (PFHxS)	0.59	7	0	0	0.00067	0.0017
Perfluorohexanoic acid (PFHxA)	15	7	0	0	0.00067	0.0017
Perfluorononanesulfonic acid (PFNS)	-	7	0	-	0.00067	0.0017
Perfluorononanoic acid (PFNA)	0.089	7	0	0	0.00067	0.0017
Perfluorooctane sulfonamide (PFOSA)	-	7	0	-	0.00067	0.0017
Perfluorooctanesulfonic acid (PFOS)	0.0030	7	1	0	0.00066	0.0014
Perfluorooctanoic acid (PFOA)	0.000086	7	0	0	0.00067	0.0017
Perfluoropentanesulfonic acid (PFPeS)	-	7	0	-	0.00067	0.0017
Perfluoropentanoic acid (PFPeA)	-	7	0	-	0.00067	0.0017
Perfluorotetradecanoic acid (PFTeDA)	-	7	0	-	0.00067	0.0017
Perfluorotridecanoic acid (PFTrDA)	-	7	0	-	0.00067	0.0017
Perfluoroundecanoic acid (PFUnA)	-	7	0	-	0.00067	0.0017

Notes

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

Table O-5
Hydric Soil PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Greenlaw Brook				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of USEPA Residential RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	26	0	-	0.0011	0.036
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	35	0	-	0.0011	0.069
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	35	0	-	0.0011	0.069
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	35	0	-	0.0011	0.069
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	26	0	-	0.0054	0.18
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	26	0	-	0.0054	0.18
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	26	0	-	0.0011	0.036
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	26	0	-	0.00086	0.029
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	26	0	-	0.0011	0.036
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	26	0	0	0.00086	0.029
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	26	0	-	0.00043	0.014
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	35	0	-	0.00043	0.014
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	26	0	-	0.0021	0.072
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	35	0	-	0.00043	0.02
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	35	0	-	0.00043	0.019
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	26	0	-	0.0021	0.072
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	26	0	-	0.00086	0.029
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	-	26	0	-	0.00043	0.014
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	26	0	-	0.00043	0.014
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	26	0	-	0.00043	0.014
Perfluorobutanesulfonic acid (PFBS)	1.9	35	0	0	0.00043	0.014
Perfluorobutanoic acid (PFBA)	7.8	35	2	0	0.00086	0.029
Perfluorodecanesulfonic acid (PFDS)	-	35	1	-	0.00043	0.014
Perfluorodecanoic acid (PFDA)	0.000013	35	3	3	0.00016	0.02
Perfluorododecanesulfonic acid (PFDoS)	-	26	0	-	0.00043	0.014
Perfluorododecanoic acid (PFDoA)	-	35	2	-	0.00032	0.014
Perfluoroheptanesulfonic acid (PFHpS)	-	35	1	-	0.00042	0.014
Perfluoroheptanoic acid (PFHpA)	-	35	6	-	0.00014	0.014
Perfluorohexanesulfonic acid (PFHxS)	0.13	35	10	0	0.00026	0.015
Perfluorohexanoic acid (PFHxA)	3.2	35	7	0	0.00015	0.014
Perfluorononanesulfonic acid (PFNS)	-	35	2	-	0.00043	0.014
Perfluorononanoic acid (PFNA)	0.019	35	7	0	0.00016	0.02
Perfluorooctane sulfonamide (PFOSA)	-	35	3	-	0.00016	0.02
Perfluorooctanesulfonic acid (PFOS)	0.00063	35	29	24	0.00014	0.144
Perfluorooctanoic acid (PFOA)	0.000019	35	15	15	0.00014	0.02
Perfluoropentanesulfonic acid (PFPeS)	-	35	0	-	0.00043	0.014
Perfluoropentanoic acid (PFPeA)	-	35	4	-	0.00043	0.014
Perfluorotetradecanoic acid (PFTeDA)	-	35	0	-	0.00043	0.014
Perfluorotridecanoic acid (PFTrDA)	-	35	1	-	0.00028	0.014
Perfluoroundecanoic acid (PFUnA)	-	35	4	-	0.00029	0.014

Notes

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

Table O-5
Hydric Soil PFAS Analytical Statistics

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

Analyte	Drainage Basin:		Butterfield Brook			
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of USEPA Residential RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	6	0	-	0.0013	0.0024
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	10	0	-	0.0013	0.0098
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	10	0	-	0.0013	0.0066
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	10	0	-	0.0013	0.0066
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	6	0	-	0.0065	0.012
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	6	0	-	0.0065	0.012
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	6	0	-	0.0013	0.0024
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	6	0	-	0.001	0.0019
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	6	0	-	0.0013	0.0024
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	6	0	0	0.001	0.0019
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	6	0	-	0.00052	0.0088
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	10	0	-	0.00052	0.0098
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	6	0	-	0.0026	0.0047
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	10	0	-	0.00052	0.0098
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	10	0	-	0.00052	0.0098
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	6	0	-	0.0026	0.0047
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	6	0	-	0.001	0.0019
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	6	0	-	0.00052	0.00094
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	6	0	-	0.00052	0.00094
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	6	0	-	0.00052	0.00094
Perfluorobutanesulfonic acid (PFBS)	1.9	10	0	0	0.00052	0.0066
Perfluorobutanoic acid (PFBA)	7.8	10	0	0	0.001	0.0066
Perfluorodecanesulfonic acid (PFDS)	-	10	0	-	0.00052	0.0066
Perfluorodecanoic acid (PFDA)	0.000013	10	1	1	0.00018	0.0098
Perfluorododecanesulfonic acid (PFDoS)	-	6	0	-	0.00052	0.00094
Perfluorododecanoic acid (PFDoA)	-	10	0	-	0.00052	0.0066
Perfluoroheptanesulfonic acid (PFHpS)	-	10	0	-	0.00052	0.0066
Perfluoroheptanoic acid (PFHpA)	-	10	0	-	0.00052	0.0066
Perfluorohexanesulfonic acid (PFHxS)	0.13	10	2	0	0.00027	0.0066
Perfluorohexanoic acid (PFHxA)	3.2	10	0	0	0.00052	0.0066
Perfluorononanesulfonic acid (PFNS)	-	10	0	-	0.00052	0.0066
Perfluorononanoic acid (PFNA)	0.019	10	2	0	0.00015	0.0098
Perfluorooctane sulfonamide (PFOSA)	-	10	0	-	0.00052	0.0098
Perfluorooctanesulfonic acid (PFOS)	0.00063	10	8	5	0.00036	0.0168
Perfluorooctanoic acid (PFOA)	0.000019	10	2	2	0.0002	0.0098
Perfluoropentanesulfonic acid (PFPeS)	-	10	0	-	0.00052	0.0066
Perfluoropentanoic acid (PFPeA)	-	10	0	-	0.00052	0.0066
Perfluorotetradecanoic acid (PFTeDA)	-	10	0	-	0.00052	0.0066
Perfluorotridecanoic acid (PFTrDA)	-	10	0	-	0.00052	0.0066
Perfluoroundecanoic acid (PFUnA)	-	10	1	-	0.0003	0.0066

Notes

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

Table O-5
Hydric Soil PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Reference Drainages				
	USEPA Residential Soil RSL (mg/kg)	Number of Samples	Number of Detections	Number of USEPA Residential RSL Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	1	0	-	0.0017	0.0017
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	1	0	-	0.0017	0.0017
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	1	0	-	0.0017	0.0017
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	1	0	-	0.0017	0.0017
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	1	0	-	0.0085	0.0085
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	1	0	-	0.0085	0.0085
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	1	0	-	0.0017	0.0017
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	1	0	-	0.0014	0.0014
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	1	0	-	0.0017	0.0017
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.023	1	0	0	0.0014	0.0014
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	1	0	-	0.00068	0.00068
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1	0	-	0.00068	0.00068
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	1	0	-	0.0034	0.0034
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	1	0	-	0.00068	0.00068
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1	0	-	0.00068	0.00068
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	1	0	-	0.0034	0.0034
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	1	0	-	0.0014	0.0014
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	-	1	0	-	0.00068	0.00068
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	1	0	-	0.00068	0.00068
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	1	0	-	0.00068	0.00068
Perfluorobutanesulfonic acid (PFBS)	1.9	1	0	0	0.00068	0.00068
Perfluorobutanoic acid (PFBA)	7.8	1	0	0	0.0014	0.0014
Perfluorodecanesulfonic acid (PFDS)	-	1	0	-	0.00068	0.00068
Perfluorodecanoic acid (PFDA)	0.000013	1	0	0	0.00068	0.00068
Perfluorododecanesulfonic acid (PFDoS)	-	1	0	-	0.00068	0.00068
Perfluorododecanoic acid (PFDoA)	-	1	0	-	0.00068	0.00068
Perfluoroheptanesulfonic acid (PFHpS)	-	1	0	-	0.00068	0.00068
Perfluoroheptanoic acid (PFHpA)	-	1	0	-	0.00068	0.00068
Perfluorohexanesulfonic acid (PFHxS)	0.13	1	0	0	0.00068	0.00068
Perfluorohexanoic acid (PFHxA)	3.2	1	0	0	0.00068	0.00068
Perfluorononanesulfonic acid (PFNS)	-	1	0	-	0.00068	0.00068
Perfluorononanoic acid (PFNA)	0.019	1	0	0	0.00068	0.00068
Perfluorooctane sulfonamide (PFOSA)	-	1	0	-	0.00068	0.00068
Perfluorooctanesulfonic acid (PFOS)	0.00063	1	0	0	0.00068	0.00068
Perfluorooctanoic acid (PFOA)	0.000019	1	0	0	0.00068	0.00068
Perfluoropentanesulfonic acid (PFPeS)	-	1	0	-	0.00068	0.00068
Perfluoropentanoic acid (PFPeA)	-	1	0	-	0.00068	0.00068
Perfluorotetradecanoic acid (PFTeDA)	-	1	0	-	0.00068	0.00068
Perfluorotridecanoic acid (PFTeDA)	-	1	0	-	0.00068	0.00068
Perfluoroundecanoic acid (PFUnA)	-	1	0	-	0.00068	0.00068

Notes

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

Table O-6
Shallow Groundwater PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Greenlaw Brook				
	USEPA Tapwater RSLs (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tapwater RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	11	0	-	3.6	40
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	17	0	-	3.6	67
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	17	0	-	3.6	75
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	17	2	-	3.6	75
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	11	0	-	18	170
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	11	0	-	18	170
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	11	0	-	9.1	99
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	11	0	-	3.6	40
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	11	0	-	3.6	40
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	11	0	0	1.8	20
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	11	0	-	3.6	33
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	17	0	-	3.6	33
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	11	0	-	18	170
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	11	0	-	3.6	33
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	17	0	-	3.6	33
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	11	0	-	18	170
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	11	0	-	3.6	33
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	11	0	-	1.8	17
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	11	0	-	1.8	17
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	11	0	-	3.6	40
Perfluorobutanesulfonic acid (PFBS)	600	17	9	0	0.8	35.5
Perfluorobutanoic acid (PFBA)	1800	17	16	0	2.8	88.6
Perfluorodecanesulfonic acid (PFDS)	-	17	0	-	1.8	17
Perfluorodecanoic acid (PFDA)	0.004	17	2	2	1	17
Perfluorododecanesulfonic acid (PFDoS)	-	11	0	-	3.6	33
Perfluorododecanoic acid (PFDoA)	-	17	0	-	1.8	17
Perfluoroheptanesulfonic acid (PFHpS)	-	17	5	-	0.54	23.2
Perfluoroheptanoic acid (PFHpA)	-	17	15	-	0.73	71.3
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	17	13	7	0.85	2370
Perfluorohexanoic acid (PFHxA)	990	17	11	0	0.96	286
Perfluorononanesulfonic acid (PFNS)	-	17	1	-	1.8	17
Perfluorononanoic acid (PFNA)	5.9	17	15	2	0.69	18.3
Perfluorooctane sulfonamide (PFOSA)	-	17	1	-	1.8	17
Perfluorooctanesulfonic acid (PFOS)	0.2	17	15	15	1.3	1110
Perfluorooctanoic acid (PFOA)	0.0027	17	14	14	0.92	172
Perfluoropentanesulfonic acid (PFPeS)	-	17	4	-	1.8	48.2
Perfluoropentanoic acid (PFPeA)	-	17	15	-	1.4	140
Perfluorotetradecanoic acid (PFTeDA)	-	17	0	-	1.8	17
Perfluorotridecanoic acid (PFTrDA)	-	17	0	-	1.8	17
Perfluoroundecanoic acid (PFUnA)	-	17	0	-	1.8	17

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-6
Shallow Groundwater PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Butterfield Brook				
	USEPA Tapwater RSLs (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tapwater RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	4	0	-	3.8	41
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	6	0	-	5.6	20
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	6	0	-	5.6	39
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	6	0	-	5.6	20
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	4	0	-	19	20
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	4	0	-	19	20
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	4	0	-	9.6	100
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	4	0	-	3.8	41
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	4	0	-	3.8	41
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	4	0	0	1.9	20
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	4	0	-	3.8	4.1
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	6	0	-	3.8	20
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	4	0	-	19	20
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	6	0	-	3.8	20
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	6	0	-	3.8	20
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	4	0	-	19	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	4	0	-	3.8	4.1
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	4	0	-	1.9	2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	4	0	-	1.9	2
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	4	0	-	3.8	41
Perfluorobutanesulfonic acid (PFBS)	600	6	1	0	1.9	10
Perfluorobutanoic acid (PFBA)	1800	6	4	0	4.1	54.5
Perfluorodecanesulfonic acid (PFDS)	-	6	0	-	1.9	10
Perfluorodecanoic acid (PFDA)	0.004	6	0	0	1.9	10
Perfluorododecanesulfonic acid (PFDoS)	-	4	0	-	3.8	4.1
Perfluorododecanoic acid (PFDoA)	-	6	0	-	1.9	10
Perfluoroheptanesulfonic acid (PFHpS)	-	6	0	-	1.9	10
Perfluoroheptanoic acid (PFHpA)	-	6	4	-	1.3	17.3
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	6	5	2	2	42.2
Perfluorohexanoic acid (PFHxA)	990	6	4	0	1.2	20.7
Perfluorononanesulfonic acid (PFNS)	-	6	0	-	1.9	10
Perfluorononanoic acid (PFNA)	5.9	6	4	1	0.63	14.5
Perfluorooctane sulfonamide (PFOSA)	-	6	1	-	0.72	10
Perfluorooctanesulfonic acid (PFOS)	0.2	6	5	5	2	58.3
Perfluorooctanoic acid (PFOA)	0.0027	6	3	3	1	38.4
Perfluoropentanesulfonic acid (PFPeS)	-	6	0	-	2.8	10
Perfluoropentanoic acid (PFPeA)	-	6	4	-	1.7	24.1
Perfluorotetradecanoic acid (PFTeDA)	-	6	0	-	1.9	10
Perfluorotridecanoic acid (PFTeDA)	-	6	0	-	1.9	10
Perfluoroundecanoic acid (PFUnA)	-	6	0	-	1.9	10

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-6
Shallow Groundwater PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Reference Drainages				
	USEPA Tapwater RSLs (ng/L)	Number of Samples	Number of Detections	Number of USEPA Tapwater RSL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	1	0	-	4	4
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	1	0	-	8	8
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	1	0	-	8	8
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	1	0	-	8	8
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	1	0	-	20	20
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	1	0	-	20	20
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	1	0	-	10	10
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	1	0	-	4	4
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	1	0	-	4	4
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.5	1	0	0	2	2
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	1	0	-	4	4
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1	0	-	4	4
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	1	0	-	20	20
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	1	0	-	4	4
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1	0	-	4	4
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	1	0	-	20	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	1	0	-	4	4
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	1	0	-	2	2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	1	0	-	2	2
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	1	0	-	4	4
Perfluorobutanesulfonic acid (PFBS)	600	1	0	0	2	2
Perfluorobutanoic acid (PFBA)	1800	1	0	0	4	4
Perfluorodecanesulfonic acid (PFDS)	-	1	0	-	2	2
Perfluorodecanoic acid (PFDA)	0.004	1	0	0	2	2
Perfluorododecanesulfonic acid (PFDoS)	-	1	0	-	4	4
Perfluorododecanoic acid (PFDoA)	-	1	0	-	2	2
Perfluoroheptanesulfonic acid (PFHpS)	-	1	0	-	2	2
Perfluoroheptanoic acid (PFHpA)	-	1	0	-	2	2
Perfluorohexanesulfonic acid (PFHxS)	10 ^a	1	0	0	2	2
Perfluorohexanoic acid (PFHxA)	990	1	0	0	2	2
Perfluorononanesulfonic acid (PFNS)	-	1	0	-	2	2
Perfluorononanoic acid (PFNA)	5.9	1	0	0	2	2
Perfluorooctane sulfonamide (PFOSA)	-	1	0	-	2	2
Perfluorooctanesulfonic acid (PFOS)	0.2	1	0	0	2	2
Perfluorooctanoic acid (PFOA)	0.0027	1	1	1	0.81	0.81
Perfluoropentanesulfonic acid (PFPeS)	-	1	0	-	4	4
Perfluoropentanoic acid (PFPeA)	-	1	0	-	2	2
Perfluorotetradecanoic acid (PFTeDA)	-	1	0	-	2	2
Perfluorotridecanoic acid (PFTeDA)	-	1	0	-	2	2
Perfluoroundecanoic acid (PFUnA)	-	1	0	-	2	2

Notes

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

^a = MCL is shown since the USEPA Tapwater RSL is higher than the MCL for PFHxS

Table O-7
Porewater PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Greenlaw Brook				
	Lowest Ecological Pore Water Benchmark (ng/L)	Number of Samples	Number of Detections	Number of Ecological Pore Water Benchmark Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	32	0	-	2.3	5
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	32	0	-	4.6	10
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	32	0	-	3.1	86
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	32	3	-	3.2	29.5
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	32	0	-	18	35
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	32	0	-	18	35
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	32	0	-	6	13
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	32	0	-	3.1	5
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	32	0	-	3.1	5
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	32	0	-	1.8	3.9
N-ethyl perfluorooctanesulfonamide (NtFOSA)	-	32	0	-	1.2	5
N-ethyl perfluorooctanesulfonamidoacetic acid (NtFOSAA)	-	32	1	-	0.91	5
N-ethyl perfluorooctanesulfonamidoethanol (NtFOSE)	-	32	0	-	8.3	25
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	32	0	-	1.2	5
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	32	1	-	0.81	5
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	32	0	-	8.3	25
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	32	0	-	3.6	29
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	32	0	-	1.8	2.5
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	32	0	-	1.8	3.3
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	32	0	-	1.2	5
Perfluorobutanesulfonic acid (PFBS)	160000	32	27	0	0.57	9.6
Perfluorobutanoic acid (PFBA)	75700	32	30	0	2.2	19.6
Perfluorodecanesulfonic acid (PFDS)	-	32	0	-	1.1	2.5
Perfluorodecanoic acid (PFDA)	71.6	32	2	0	0.55	2.5
Perfluorododecanesulfonic acid (PFDoS)	-	32	0	-	0.83	5
Perfluorododecanoic acid (PFDoA)	-	32	0	-	0.83	2.5
Perfluoroheptanesulfonic acid (PFHpS)	-	32	22	-	0.5	7.1
Perfluoroheptanoic acid (PFHpA)	-	32	29	-	0.69	19.6
Perfluorohexanesulfonic acid (PFHxS)	10800	32	31	0	1.9	347
Perfluorohexanoic acid (PFHxA)	33800	32	30	0	0.88	57.2
Perfluorononanesulfonic acid (PFNS)	-	32	3	-	0.63	2.5
Perfluorononanoic acid (PFNA)	88	32	24	0	0.63	6.3
Perfluorooctane sulfonamide (PFOSA)	-	32	9	-	0.29	5
Perfluorooctanesulfonic acid (PFOS)	12.8	32	30	23	0.57	300
Perfluorooctanoic acid (PFOA)	36400	32	30	0	0.59	56.5
Perfluoropentanesulfonic acid (PFPeS)	-	32	20	-	1.7	13.8
Perfluoropentanoic acid (PFPeA)	-	32	31	-	1.5	50.4
Perfluorotetradecanoic acid (PFTeDA)	-	32	0	-	0.83	2.5
Perfluorotridecanoic acid (PFTTrDA)	-	32	0	-	1.2	2.5
Perfluoroundecanoic acid (PFUnA)	-	32	0	-	1.2	2.5

Notes

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

Table O-7
Porewater PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Butterfield Brook				
	Lowest Ecological Pore Water Benchmark (ng/L)	Number of Samples	Number of Detections	Number of Ecological Pore Water Benchmark Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	10	0	-	4	5.3
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	10	0	-	7.9	11
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	10	0	-	7.9	11
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	10	0	-	7.9	11
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	10	0	-	20	27
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	10	0	-	20	27
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	10	0	-	9.9	13
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	10	0	-	4	5.3
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	10	0	-	4	5.3
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	10	0	-	2	2.7
N-ethyl perfluorooctanesulfonamide (NETFOSA)	-	10	0	-	4	5.3
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	-	10	0	-	4	5.3
N-ethyl perfluorooctanesulfonamidoethanol (NETFOSE)	-	10	0	-	20	27
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	10	0	-	4	5.3
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	10	0	-	4	5.3
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	10	0	-	20	27
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	10	0	-	4	5.3
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	10	0	-	2	2.7
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	10	0	-	2	2.7
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	10	0	-	4	5.3
Perfluorobutanesulfonic acid (PFBS)	160000	10	4	0	1	4.6
Perfluorobutanoic acid (PFBA)	75700	10	5	0	2.1	17.8
Perfluorodecanesulfonic acid (PFDS)	-	10	0	-	2	2.7
Perfluorodecanoic acid (PFDA)	71.6	10	3	0	0.7	2.7
Perfluorododecanesulfonic acid (PFDoS)	-	10	0	-	4	5.3
Perfluorododecanoic acid (PFDoA)	-	10	0	-	2	2.7
Perfluoroheptanesulfonic acid (PFHpS)	-	10	3	-	1.6	3
Perfluoroheptanoic acid (PFHpA)	-	10	9	-	0.83	11.2
Perfluorohexanesulfonic acid (PFHxS)	10800	10	10	0	2	109
Perfluorohexanoic acid (PFHxA)	33800	10	10	0	0.88	57.5
Perfluorononanesulfonic acid (PFNS)	-	10	1	-	1.3	2.7
Perfluorononanoic acid (PFNA)	88	10	7	0	0.86	3.5
Perfluorooctane sulfonamide (PFOSA)	-	10	0	-	2	2.7
Perfluorooctanesulfonic acid (PFOS)	12.8	10	9	6	2.8	174
Perfluorooctanoic acid (PFOA)	36400	10	10	0	1.7	12.8
Perfluoropentanesulfonic acid (PFPeS)	-	10	3	-	1.6	6.7
Perfluoropentanoic acid (PFPeA)	-	10	10	-	1.1	48.9
Perfluorotetradecanoic acid (PFTeDA)	-	10	0	-	2	2.7
Perfluorotridecanoic acid (PFTTrDA)	-	10	0	-	2	2.7
Perfluoroundecanoic acid (PFUnA)	-	10	0	-	2	2.7

Notes

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

Table O-7
Porewater PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Reference Drainages				
	Lowest Ecological Pore Water Benchmark (ng/L)	Number of Samples	Number of Detections	Number of Ecological Pore Water Benchmark Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	2	0	-	4	4
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	2	0	-	8	8.1
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	2	0	-	8	8.1
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	2	0	-	8	8.1
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	2	0	-	20	20
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	2	0	-	20	20
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	2	0	-	10	10
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	2	0	-	4	4
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	2	0	-	4	4
Hexafluoropropylene oxide dimer acid (HFPO-DA)	-	2	0	-	2	2
N-ethyl perfluorooctanesulfonamide (NETFOSA)	-	2	0	-	4	4
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	-	2	0	-	4	4
N-ethyl perfluorooctanesulfonamidoethanol (NETFOSE)	-	2	0	-	20	20
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	2	0	-	4	4
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	2	0	-	4	4
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	2	0	-	20	20
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	2	0	-	4	4
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	2	0	-	2	2
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	2	0	-	2	2
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	2	0	-	4	4
Perfluorobutanesulfonic acid (PFBS)	160000	2	0	0	2	2
Perfluorobutanoic acid (PFBA)	75700	2	1	0	3	4
Perfluorodecanesulfonic acid (PFDS)	-	2	0	-	2	2
Perfluorodecanoic acid (PFDA)	71.6	2	0	0	2	2
Perfluorododecanesulfonic acid (PFDoS)	-	2	0	-	4	4
Perfluorododecanoic acid (PFDoA)	-	2	0	-	2	2
Perfluoroheptanesulfonic acid (PFHpS)	-	2	0	-	2	2
Perfluoroheptanoic acid (PFHpA)	-	2	0	-	2	2
Perfluorohexanesulfonic acid (PFHxS)	10800	2	0	0	2	2
Perfluorohexanoic acid (PFHxA)	33800	2	0	0	2	2
Perfluorononanesulfonic acid (PFNS)	-	2	0	-	2	2
Perfluorononanoic acid (PFNA)	88	2	0	0	2	2
Perfluorooctane sulfonamide (PFOSA)	-	2	0	-	2	2
Perfluorooctanesulfonic acid (PFOS)	12.8	2	1	0	0.76	2
Perfluorooctanoic acid (PFOA)	36400	2	1	0	0.73	1
Perfluoropentanesulfonic acid (PFPeS)	-	2	0	-	4	4
Perfluoropentanoic acid (PFPeA)	-	2	2	-	2	3.1
Perfluorotetradecanoic acid (PFTeDA)	-	2	0	-	2	2
Perfluorotridecanoic acid (PFTTrDA)	-	2	0	-	2	2
Perfluoroundecanoic acid (PFUnA)	-	2	0	-	2	2

Notes

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

Table O-8
Storm Sewer PFAS Analytical Statistics

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

Analyte	Swimming Screening Levels (ng/L)	Number of Samples	Number of Detections	Number of Swimming SL Exceedances	Minimum (ng/L)	Maximum (ng/L)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30UDS)	-	100	0	-	2.2	66
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	142	29	-	1.5	260
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	142	7	-	1.8	82
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	142	48	-	0.87	1000
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	100	0	-	18	310
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	100	0	-	18	310
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	100	0	-	5.9	88
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	100	0	-	3	38
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	100	0	-	3	66
Hexafluoropropylene oxide dimer acid (HFPO-DA)	11	100	0	0	1.8	40
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	100	0	-	0.97	10
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	142	0	-	0.81	18
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	100	1	-	2.1	50
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	106	0	-	0.97	71
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	142	0	-	0.97	10
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	100	2	-	1.7	25
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	100	0	-	3.6	600
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	100	0	-	1.8	31
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	100	0	-	1.8	20
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	100	0	-	0.49	5
Perfluorobutanesulfonic acid (PFBS)	30000	142	123	0	0.21	60
Perfluorobutanoic acid (PFBA)	57000	142	132	0	0.73	220
Perfluorodecanesulfonic acid (PFDS)	-	142	4	-	0.46	46.9
Perfluorodecanoic acid (PFDA)	0.2	142	33	33	0.32	10
Perfluorododecanesulfonic acid (PFDoS)	-	100	2	-	0.65	45
Perfluorododecanoic acid (PFDoA)	-	142	1	-	0.81	36
Perfluoroheptanesulfonic acid (PFHpS)	-	142	104	-	0.27	68
Perfluoroheptanoic acid (PFHpA)	-	142	138	-	0.36	450
Perfluorohexanesulfonic acid (PFHxS)	1800	142	141	0	1.2	1700
Perfluorohexanoic acid (PFHxA)	46000	142	135	0	0.29	510
Perfluorononanesulfonic acid (PFNS)	-	142	13	-	0.58	72.1
Perfluorononanoic acid (PFNA)	260	142	109	0	0.24	93
Perfluorooctane sulfonamide (PFOSA)	-	142	83	-	0.18	140
Perfluorooctanesulfonic acid (PFOS)	10	142	140	122	1.8	5400
Perfluorooctanoic acid (PFOA)	0.25	142	140	140	0.34	460
Perfluoropentanesulfonic acid (PFPeS)	-	142	112	-	0.34	110
Perfluoropentanoic acid (PFPeA)	-	142	133	-	0.27	750
Perfluorotetradecanoic acid (PFTeDA)	-	142	0	-	0.49	36
Perfluorotridecanoic acid (PFTeDA)	-	142	0	-	0.97	36
Perfluoroundecanoic acid (PFUnA)	-	142	7	-	0.19	36

Notes

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

Table O-9
Blueberry PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Greenlaw Brook				
	Blueberry Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Blueberry Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	3	0	-	0.000238	0.000992
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	3	0	-	0.00016	0.000667
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	3	0	-	0.000264	0.0011
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	3	0	-	0.000162	0.000675
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	3	0	-	0.00137	0.0057
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	3	0	-	0.000739	0.00308
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	3	0	-	0.0000979	0.000408
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	3	0	-	0.00018	0.00075
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	3	0	-	0.00025	0.00104
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.0035	3	0	0	0.000232	0.000967
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	3	0	-	0.0000679	0.000283
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	3	0	-	0.0000759	0.000317
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	3	0	-	0.0004	0.00167
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	3	0	-	0.00002	0.0000833
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	3	0	-	0.0000739	0.000308
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	3	0	-	0.000382	0.00159
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	3	0	-	0.000042	0.000175
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	-	3	0	-	0.0000699	0.000292
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	3	0	-	0.000138	0.000575
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	3	0	-	0.000108	0.00045
Perfluorobutanesulfonic acid (PFBS)	0.35	3	0	0	0.0000679	0.000283
Perfluorobutanoic acid (PFBA)	1.2	3	1	0	0.0000904	0.000467
Perfluorodecanesulfonic acid (PFDS)	-	3	0	-	0.0000659	0.000275
Perfluorodecanoic acid (PFDA)	0.0000024	3	0	0	0.0000779	0.000325
Perfluorododecanesulfonic acid (PFDoS)	-	3	0	-	0.000038	0.000158
Perfluorododecanoic acid (PFDoA)	-	3	0	-	0.000048	0.0002
Perfluoroheptanesulfonic acid (PFHpS)	-	3	0	-	0.0000699	0.000292
Perfluoroheptanoic acid (PFHpA)	-	3	0	-	0.0000699	0.000292
Perfluorohexanesulfonic acid (PFHxS)	0.024	3	0	0	0.0000599	0.00025
Perfluorohexanoic acid (PFHxA)	0.59	3	0	0	0.0000739	0.000308
Perfluorononanesulfonic acid (PFNS)	-	3	0	-	0.0000789	0.000329
Perfluorononanoic acid (PFNA)	0.0035	3	0	0	0.0000719	0.0003
Perfluorooctane sulfonamide (PFOSA)	-	3	0	-	0.000032	0.000133
Perfluorooctanesulfonic acid (PFOS)	0.00012	3	0	0	0.0000779	0.000325
Perfluorooctanoic acid (PFOA)	0.00000074	3	0	0	0.00005	0.000208
Perfluoropentanesulfonic acid (PFPeS)	-	3	0	-	0.00004	0.000167
Perfluoropentanoic acid (PFPeA)	-	3	0	-	0.000108	0.00045
Perfluorotetradecanoic acid (PFTeDA)	-	3	0	-	0.0000619	0.000258
Perfluorotridecanoic acid (PFTrDA)	-	3	0	-	0.0000779	0.000325
Perfluoroundecanoic acid (PFUnA)	-	3	0	-	0.0000599	0.00025

Notes

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

Table O-9
Blueberry PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Butterfield Brook				
	Blueberry Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Blueberry Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	1	0	-	0.000625	0.000625
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	1	0	-	0.00042	0.00042
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	1	0	-	0.000693	0.000693
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	1	0	-	0.000425	0.000425
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	1	0	-	0.00359	0.00359
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	1	0	-	0.00194	0.00194
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	1	0	-	0.000257	0.000257
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	-	1	0	-	0.000472	0.000472
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	1	0	-	0.000656	0.000656
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.0035	1	0	0	0.000609	0.000609
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	1	0	-	0.000178	0.000178
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1	0	-	0.000199	0.000199
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	1	0	-	0.00105	0.00105
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	1	0	-	0.0000525	0.0000525
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1	0	-	0.000194	0.000194
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	1	0	-	0.001	0.001
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	1	0	-	0.00011	0.00011
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	1	0	-	0.000184	0.000184
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	1	0	-	0.000362	0.000362
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	1	0	-	0.000283	0.000283
Perfluorobutanesulfonic acid (PFBS)	0.35	1	0	0	0.000178	0.000178
Perfluorobutanoic acid (PFBA)	1.2	1	0	0	0.000294	0.000294
Perfluorodecanesulfonic acid (PFDS)	-	1	0	-	0.000173	0.000173
Perfluorodecanoic acid (PFDA)	0.0000024	1	0	0	0.000205	0.000205
Perfluorododecanesulfonic acid (PFDoS)	-	1	0	-	0.0000997	0.0000997
Perfluorododecanoic acid (PFDoA)	-	1	0	-	0.000126	0.000126
Perfluoroheptanesulfonic acid (PFHpS)	-	1	0	-	0.000184	0.000184
Perfluoroheptanoic acid (PFHpA)	-	1	0	-	0.000184	0.000184
Perfluorohexanesulfonic acid (PFHxS)	0.024	1	0	0	0.000157	0.000157
Perfluorohexanoic acid (PFHxA)	0.59	1	0	0	0.000194	0.000194
Perfluorononanesulfonic acid (PFNS)	-	1	0	-	0.000207	0.000207
Perfluorononanoic acid (PFNA)	0.0035	1	0	0	0.000189	0.000189
Perfluorooctane sulfonamide (PFOSA)	-	1	0	-	0.000084	0.000084
Perfluorooctanesulfonic acid (PFOS)	0.00012	1	0	0	0.000205	0.000205
Perfluorooctanoic acid (PFOA)	0.00000074	1	0	0	0.000131	0.000131
Perfluoropentanesulfonic acid (PFPeS)	-	1	0	-	0.000105	0.000105
Perfluoropentanoic acid (PFPeA)	-	1	0	-	0.000283	0.000283
Perfluorotetradecanoic acid (PFTeDA)	-	1	0	-	0.000163	0.000163
Perfluorotridecanoic acid (PFTrDA)	-	1	0	-	0.000205	0.000205
Perfluoroundecanoic acid (PFUnA)	-	1	0	-	0.000157	0.000157

Notes

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

Table O-10
Cattail Root PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Greenlaw Brook				
	Cattail Root Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Cattail Root Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	7	0	-	0.000238	0.000238
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	7	0	-	0.00016	0.00016
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	7	0	-	0.000263	0.000264
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	7	0	-	0.000162	0.000162
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	7	0	-	0.00137	0.00137
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	7	0	-	0.000739	0.00074
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	7	0	-	0.0000978	0.000098
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	7	0	-	0.00018	0.00018
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	7	0	-	0.00025	0.00025
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.036	7	0	0	0.000232	0.000232
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	7	0	-	0.0000679	0.000068
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	7	0	-	0.0000758	0.000076
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	7	0	-	0.000399	0.0004
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	7	0	-	0.00002	0.00002
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	7	0	-	0.0000739	0.000074
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	7	0	-	0.000381	0.000382
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	7	0	-	0.0000419	0.000042
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	7	0	-	0.0000699	0.00007
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	7	0	-	0.000138	0.000138
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	7	0	-	0.000108	0.000108
Perfluorobutanesulfonic acid (PFBS)	3.6	7	0	0	0.0000679	0.000068
Perfluorobutanoic acid (PFBA)	12	7	0	0	0.000112	0.000112
Perfluorodecanesulfonic acid (PFDS)	-	7	1	-	0.0000433	0.000066
Perfluorodecanoic acid (PFDA)	0.000024	7	1	1	0.000043	0.000078
Perfluorododecanesulfonic acid (PFDoS)	-	7	0	-	0.0000379	0.000038
Perfluorododecanoic acid (PFDoA)	-	7	1	-	0.0000479	0.0000677
Perfluoroheptanesulfonic acid (PFHpS)	-	7	0	-	0.0000699	0.00007
Perfluoroheptanoic acid (PFHpA)	-	7	0	-	0.0000699	0.00007
Perfluorohexanesulfonic acid (PFHxS)	0.24	7	2	0	0.0000599	0.000593
Perfluorohexanoic acid (PFHxA)	6.1	7	1	0	0.0000739	0.000122
Perfluorononanesulfonic acid (PFNS)	-	7	0	-	0.0000788	0.000079
Perfluorononanoic acid (PFNA)	0.036	7	0	0	0.0000719	0.000072
Perfluorooctane sulfonamide (PFOSA)	-	7	2	-	0.0000299	0.000149
Perfluorooctanesulfonic acid (PFOS)	0.0012	7	5	1	0.0000766	0.000817
Perfluorooctanoic acid (PFOA)	0.0000076	7	7	7	0.000125	0.000226
Perfluoropentanesulfonic acid (PFPeS)	-	7	0	-	0.0000399	0.00004
Perfluoropentanoic acid (PFPeA)	-	7	2	-	0.0000677	0.000108
Perfluorotetradecanoic acid (PFTeDA)	-	7	0	-	0.0000619	0.000062
Perfluorotridecanoic acid (PFTrDA)	-	7	1	-	0.0000404	0.000078
Perfluoroundecanoic acid (PFUnA)	-	7	2	-	0.0000511	0.00006

Notes

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

Table O-10
Cattail Root PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Butterfield Brook				
	Cattail Root Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Cattail Root Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	1	0	-	0.000238	0.000238
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	1	0	-	0.00016	0.00016
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	1	0	-	0.000263	0.000263
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	1	0	-	0.000162	0.000162
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	1	0	-	0.00137	0.00137
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	1	0	-	0.000739	0.000739
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	1	0	-	0.0000978	0.0000978
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	1	0	-	0.00018	0.00018
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	1	0	-	0.00025	0.00025
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.036	1	0	0	0.000232	0.000232
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	1	0	-	0.0000679	0.0000679
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1	0	-	0.0000758	0.0000758
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	1	0	-	0.000399	0.000399
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	1	0	-	0.00002	0.00002
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1	0	-	0.0000739	0.0000739
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	1	0	-	0.000381	0.000381
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	1	0	-	0.0000419	0.0000419
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	1	0	-	0.0000699	0.0000699
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	1	0	-	0.000138	0.000138
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	1	0	-	0.000108	0.000108
Perfluorobutanesulfonic acid (PFBS)	3.6	1	0	0	0.0000679	0.0000679
Perfluorobutanoic acid (PFBA)	12	1	0	0	0.000112	0.000112
Perfluorodecanesulfonic acid (PFDS)	-	1	0	-	0.0000659	0.0000659
Perfluorodecanoic acid (PFDA)	0.000024	1	0	0	0.0000778	0.0000778
Perfluorododecanesulfonic acid (PFDoS)	-	1	0	-	0.0000379	0.0000379
Perfluorododecanoic acid (PFDoA)	-	1	0	-	0.0000479	0.0000479
Perfluoroheptanesulfonic acid (PFHpS)	-	1	0	-	0.0000699	0.0000699
Perfluoroheptanoic acid (PFHpA)	-	1	0	-	0.0000699	0.0000699
Perfluorohexanesulfonic acid (PFHxS)	0.24	1	0	0	0.0000599	0.0000599
Perfluorohexanoic acid (PFHxA)	6.1	1	0	0	0.0000739	0.0000739
Perfluorononanesulfonic acid (PFNS)	-	1	0	-	0.0000788	0.0000788
Perfluorononanoic acid (PFNA)	0.036	1	0	0	0.0000719	0.0000719
Perfluorooctane sulfonamide (PFOSA)	-	1	0	-	0.0000319	0.0000319
Perfluorooctanesulfonic acid (PFOS)	0.0012	1	0	0	0.0000778	0.0000778
Perfluorooctanoic acid (PFOA)	0.0000076	1	0	0	0.0000499	0.0000499
Perfluoropentanesulfonic acid (PFPeS)	-	1	0	-	0.0000399	0.0000399
Perfluoropentanoic acid (PFPeA)	-	1	0	-	0.000108	0.000108
Perfluorotetradecanoic acid (PFTeDA)	-	1	0	-	0.0000619	0.0000619
Perfluorotridecanoic acid (PFTeDA)	-	1	0	-	0.0000778	0.0000778
Perfluoroundecanoic acid (PFUnA)	-	1	0	-	0.0000599	0.0000599

Notes

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

Table O-10
Cattail Root PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Reference Drainages				
	Cattail Root Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Cattail Root Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	1	0	-	0.000238	0.000238
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	1	0	-	0.00016	0.00016
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	1	0	-	0.000263	0.000263
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	1	0	-	0.000162	0.000162
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	1	0	-	0.00137	0.00137
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	1	0	-	0.000739	0.000739
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	1	0	-	0.0000978	0.0000978
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	1	0	-	0.00018	0.00018
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	1	0	-	0.00025	0.00025
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.036	1	0	0	0.000232	0.000232
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	1	0	-	0.0000679	0.0000679
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1	0	-	0.0000758	0.0000758
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	1	0	-	0.000399	0.000399
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	1	0	-	0.00002	0.00002
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1	0	-	0.0000739	0.0000739
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	1	0	-	0.000381	0.000381
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	1	0	-	0.0000419	0.0000419
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	1	0	-	0.0000699	0.0000699
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	1	0	-	0.000138	0.000138
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	1	0	-	0.000108	0.000108
Perfluorobutanesulfonic acid (PFBS)	3.6	1	0	0	0.0000679	0.0000679
Perfluorobutanoic acid (PFBA)	12	1	0	0	0.000112	0.000112
Perfluorodecanesulfonic acid (PFDS)	-	1	0	-	0.0000659	0.0000659
Perfluorodecanoic acid (PFDA)	0.000024	1	0	0	0.0000778	0.0000778
Perfluorododecanesulfonic acid (PFDoS)	-	1	0	-	0.0000379	0.0000379
Perfluorododecanoic acid (PFDoA)	-	1	0	-	0.0000479	0.0000479
Perfluoroheptanesulfonic acid (PFHpS)	-	1	0	-	0.0000699	0.0000699
Perfluoroheptanoic acid (PFHpA)	-	1	0	-	0.0000699	0.0000699
Perfluorohexanesulfonic acid (PFHxS)	0.24	1	0	0	0.0000599	0.0000599
Perfluorohexanoic acid (PFHxA)	6.1	1	0	0	0.0000739	0.0000739
Perfluorononanesulfonic acid (PFNS)	-	1	0	-	0.0000788	0.0000788
Perfluorononanoic acid (PFNA)	0.036	1	0	0	0.0000719	0.0000719
Perfluorooctane sulfonamide (PFOSA)	-	1	1	-	0.000242	0.000242
Perfluorooctanesulfonic acid (PFOS)	0.0012	1	0	0	0.0000778	0.0000778
Perfluorooctanoic acid (PFOA)	0.0000076	1	1	1	0.000169	0.000169
Perfluoropentanesulfonic acid (PFPeS)	-	1	0	-	0.0000399	0.0000399
Perfluoropentanoic acid (PFPeA)	-	1	1	-	0.00012	0.00012
Perfluorotetradecanoic acid (PFTeDA)	-	1	0	-	0.0000619	0.0000619
Perfluorotridecanoic acid (PFTeDA)	-	1	0	-	0.0000778	0.0000778
Perfluoroundecanoic acid (PFUnA)	-	1	0	-	0.0000599	0.0000599

Notes

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

Table O-11
Cattail Shoot PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Greenlaw Brook				
	Cattail Shoot Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Cattail Shoot Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	4	0	-	0.000238	0.000238
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	4	0	-	0.00016	0.00016
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	4	0	-	0.000264	0.000264
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	4	2	-	0.000111	0.00147
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	4	0	-	0.00137	0.00137
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	4	0	-	0.000739	0.00074
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	4	0	-	0.0000979	0.000098
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	4	0	-	0.00018	0.00018
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	4	0	-	0.00025	0.00025
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.086	4	0	0	0.000232	0.000232
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	4	0	-	0.0000679	0.000068
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	4	0	-	0.0000759	0.000076
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	4	0	-	0.0004	0.0004
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	4	0	-	0.00002	0.00002
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	4	0	-	0.0000739	0.000074
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	4	0	-	0.000382	0.000382
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	4	0	-	0.000042	0.000042
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	4	0	-	0.0000699	0.00007
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	4	0	-	0.000138	0.000138
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	4	0	-	0.000108	0.000108
Perfluorobutanesulfonic acid (PFBS)	8.6	4	0	0	0.0000679	0.000068
Perfluorobutanoic acid (PFBA)	29	4	0	0	0.000112	0.000112
Perfluorodecanesulfonic acid (PFDS)	-	4	0	-	0.0000659	0.000066
Perfluorodecanoic acid (PFDA)	0.000057	4	1	1	0.0000779	0.000109
Perfluorododecanesulfonic acid (PFDoS)	-	4	0	-	0.000038	0.000038
Perfluorododecanoic acid (PFDoA)	-	4	1	-	0.0000458	0.000048
Perfluoroheptanesulfonic acid (PFHpS)	-	4	0	-	0.0000699	0.00007
Perfluoroheptanoic acid (PFHpA)	-	4	1	-	0.0000679	0.00007
Perfluorohexanesulfonic acid (PFHxS)	0.57	4	1	0	0.0000599	0.0000675
Perfluorohexanoic acid (PFHxA)	14	4	0	0	0.0000739	0.000074
Perfluorononanesulfonic acid (PFNS)	-	4	0	-	0.0000789	0.000079
Perfluorononanoic acid (PFNA)	0.086	4	1	0	0.0000719	0.000619
Perfluorooctane sulfonamide (PFOSA)	-	4	0	-	0.000032	0.000032
Perfluorooctanesulfonic acid (PFOS)	0.0029	4	1	0	0.0000779	0.000115
Perfluorooctanoic acid (PFOA)	0.000018	4	1	1	0.00005	0.000385
Perfluoropentanesulfonic acid (PFPeS)	-	4	0	-	0.00004	0.00004
Perfluoropentanoic acid (PFPeA)	-	4	2	-	0.000108	0.000658
Perfluorotetradecanoic acid (PFTeDA)	-	4	0	-	0.0000619	0.000062
Perfluorotridecanoic acid (PFTrDA)	-	4	1	-	0.0000696	0.000078
Perfluoroundecanoic acid (PFUnA)	-	4	1	-	0.0000599	0.000217

Notes

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

Table O-11
Cattail Shoot PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Butterfield Brook				
	Cattail Shoot Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Cattail Shoot Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	1	0	-	0.000238	0.000238
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	1	0	-	0.00016	0.00016
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	1	0	-	0.000264	0.000264
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	1	0	-	0.000162	0.000162
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	1	0	-	0.00137	0.00137
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	1	0	-	0.00074	0.00074
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	1	0	-	0.000098	0.000098
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	1	0	-	0.00018	0.00018
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	1	0	-	0.00025	0.00025
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.086	1	0	0	0.000232	0.000232
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	1	0	-	0.000068	0.000068
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1	0	-	0.000076	0.000076
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	1	0	-	0.0004	0.0004
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	1	0	-	0.00002	0.00002
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1	0	-	0.000074	0.000074
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	1	0	-	0.000382	0.000382
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	1	0	-	0.000042	0.000042
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	1	0	-	0.00007	0.00007
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	1	0	-	0.000138	0.000138
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	1	0	-	0.000108	0.000108
Perfluorobutanesulfonic acid (PFBS)	8.6	1	0	0	0.000068	0.000068
Perfluorobutanoic acid (PFBA)	29	1	0	0	0.000112	0.000112
Perfluorodecanesulfonic acid (PFDS)	-	1	0	-	0.000066	0.000066
Perfluorodecanoic acid (PFDA)	0.000057	1	0	0	0.000078	0.000078
Perfluorododecanesulfonic acid (PFDoS)	-	1	0	-	0.000038	0.000038
Perfluorododecanoic acid (PFDoA)	-	1	0	-	0.000048	0.000048
Perfluoroheptanesulfonic acid (PFHpS)	-	1	0	-	0.00007	0.00007
Perfluoroheptanoic acid (PFHpA)	-	1	0	-	0.00007	0.00007
Perfluorohexanesulfonic acid (PFHxS)	0.57	1	0	0	0.00006	0.00006
Perfluorohexanoic acid (PFHxA)	14	1	0	0	0.000074	0.000074
Perfluorononanesulfonic acid (PFNS)	-	1	0	-	0.000079	0.000079
Perfluorononanoic acid (PFNA)	0.086	1	0	0	0.000072	0.000072
Perfluorooctane sulfonamide (PFOSA)	-	1	0	-	0.000032	0.000032
Perfluorooctanesulfonic acid (PFOS)	0.0029	1	0	0	0.000078	0.000078
Perfluorooctanoic acid (PFOA)	0.000018	1	0	0	0.00005	0.00005
Perfluoropentanesulfonic acid (PFPeS)	-	1	0	-	0.00004	0.00004
Perfluoropentanoic acid (PFPeA)	-	1	1	-	0.000342	0.000342
Perfluorotetradecanoic acid (PFTeDA)	-	1	0	-	0.000062	0.000062
Perfluorotridecanoic acid (PFTeDA)	-	1	0	-	0.000078	0.000078
Perfluoroundecanoic acid (PFUnA)	-	1	0	-	0.00006	0.00006

Notes

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

Table O-11
Cattail Shoot PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Reference Drainages				
	Cattail Shoot Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Cattail Shoot Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	1	0	-	0.000238	0.000238
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	1	0	-	0.00016	0.00016
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	1	0	-	0.000264	0.000264
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	1	0	-	0.000162	0.000162
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	1	0	-	0.00137	0.00137
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	1	0	-	0.000739	0.000739
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	1	0	-	0.0000979	0.0000979
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	1	0	-	0.00018	0.00018
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	1	0	-	0.00025	0.00025
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.086	1	0	0	0.000232	0.000232
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	1	0	-	0.0000679	0.0000679
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1	0	-	0.0000759	0.0000759
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	1	0	-	0.0004	0.0004
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	1	0	-	0.00002	0.00002
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1	0	-	0.0000739	0.0000739
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	1	0	-	0.000382	0.000382
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	1	0	-	0.000042	0.000042
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	1	0	-	0.0000699	0.0000699
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	1	0	-	0.000138	0.000138
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	1	0	-	0.000108	0.000108
Perfluorobutanesulfonic acid (PFBS)	8.6	1	0	0	0.0000679	0.0000679
Perfluorobutanoic acid (PFBA)	29	1	0	0	0.000112	0.000112
Perfluorodecanesulfonic acid (PFDS)	-	1	0	-	0.0000659	0.0000659
Perfluorodecanoic acid (PFDA)	0.000057	1	0	0	0.0000779	0.0000779
Perfluorododecanesulfonic acid (PFDoS)	-	1	0	-	0.000038	0.000038
Perfluorododecanoic acid (PFDoA)	-	1	0	-	0.000048	0.000048
Perfluoroheptanesulfonic acid (PFHpS)	-	1	0	-	0.0000699	0.0000699
Perfluoroheptanoic acid (PFHpA)	-	1	0	-	0.0000699	0.0000699
Perfluorohexanesulfonic acid (PFHxS)	0.57	1	0	0	0.0000599	0.0000599
Perfluorohexanoic acid (PFHxA)	14	1	0	0	0.0000739	0.0000739
Perfluorononanesulfonic acid (PFNS)	-	1	0	-	0.0000789	0.0000789
Perfluorononanoic acid (PFNA)	0.086	1	0	0	0.0000719	0.0000719
Perfluorooctane sulfonamide (PFOSA)	-	1	0	-	0.000032	0.000032
Perfluorooctanesulfonic acid (PFOS)	0.0029	1	0	0	0.0000779	0.0000779
Perfluorooctanoic acid (PFOA)	0.000018	1	0	0	0.00005	0.00005
Perfluoropentanesulfonic acid (PFPeS)	-	1	0	-	0.00004	0.00004
Perfluoropentanoic acid (PFPeA)	-	1	1	-	0.000238	0.000238
Perfluorotetradecanoic acid (PFTeDA)	-	1	0	-	0.0000619	0.0000619
Perfluorotridecanoic acid (PFTeDA)	-	1	0	-	0.0000779	0.0000779
Perfluoroundecanoic acid (PFUnA)	-	1	0	-	0.0000599	0.0000599

Notes

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

Table O-12
Fiddlehead PFAS Analytical Statistics

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

Analyte	Drainage Basin:		Greenlaw Brook			
	Fiddlehead Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Fiddlehead Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	3	0	-	0.000238	0.00096
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	3	0	-	0.00016	0.000645
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	3	0	-	0.000264	0.00106
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	3	0	-	0.000162	0.000653
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	3	0	-	0.00137	0.00552
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	3	0	-	0.000739	0.00298
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	3	0	-	0.0000979	0.000395
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	3	0	-	0.00018	0.000726
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	3	0	-	0.00025	0.00101
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.0018	3	0	0	0.000232	0.000935
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	3	0	-	0.0000679	0.000274
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	3	0	-	0.0000759	0.000306
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	3	0	-	0.0004	0.00161
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	3	0	-	0.00002	0.0000806
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	3	0	-	0.0000739	0.000298
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	3	0	-	0.000382	0.00154
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	3	0	-	0.000042	0.000169
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	3	0	-	0.0000699	0.000282
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	3	0	-	0.000138	0.000556
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	3	0	-	0.000108	0.000435
Perfluorobutanesulfonic acid (PFBS)	0.18	3	0	0	0.0000679	0.000274
Perfluorobutanoic acid (PFBA)	0.62	3	0	0	0.000112	0.000452
Perfluorodecanesulfonic acid (PFDS)	-	3	0	-	0.0000659	0.000266
Perfluorodecanoic acid (PFDA)	0.0000012	3	0	0	0.0000779	0.000315
Perfluorododecanesulfonic acid (PFDoS)	-	3	0	-	0.000038	0.000153
Perfluorododecanoic acid (PFDoA)	-	3	0	-	0.000048	0.000194
Perfluoroheptanesulfonic acid (PFHpS)	-	3	0	-	0.0000699	0.000282
Perfluoroheptanoic acid (PFHpA)	-	3	0	-	0.0000699	0.000282
Perfluorohexanesulfonic acid (PFHxS)	0.012	3	0	0	0.0000599	0.000242
Perfluorohexanoic acid (PFHxA)	0.31	3	0	0	0.0000739	0.000298
Perfluorononanesulfonic acid (PFNS)	-	3	0	-	0.0000789	0.000319
Perfluorononanoic acid (PFNA)	0.0018	3	0	0	0.0000719	0.00029
Perfluorooctane sulfonamide (PFOSA)	-	3	0	-	0.000032	0.000129
Perfluorooctanesulfonic acid (PFOS)	0.000062	3	0	0	0.0000779	0.000315
Perfluorooctanoic acid (PFOA)	0.00000039	3	0	0	0.00005	0.000202
Perfluoropentanesulfonic acid (PFPeS)	-	3	0	-	0.00004	0.000161
Perfluoropentanoic acid (PFPeA)	-	3	0	-	0.000108	0.000435
Perfluorotetradecanoic acid (PFTrDA)	-	3	0	-	0.0000619	0.00025
Perfluorotridecanoic acid (PFTrDA)	-	3	0	-	0.0000779	0.000315
Perfluoroundecanoic acid (PFUnA)	-	3	0	-	0.0000599	0.000242

Notes

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

Table O-12
Fiddlehead PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Reference Drainages				
	Fiddlehead Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Fiddlehead Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	1	0	-	0.000238	0.000238
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	1	0	-	0.00016	0.00016
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	1	0	-	0.000264	0.000264
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	1	0	-	0.000162	0.000162
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	1	0	-	0.00137	0.00137
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	1	0	-	0.000741	0.000741
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	1	0	-	0.0000981	0.0000981
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	1	0	-	0.00018	0.00018
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	1	0	-	0.00025	0.00025
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.0018	1	0	0	0.000232	0.000232
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	1	0	-	0.0000681	0.0000681
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	1	0	-	0.0000761	0.0000761
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	1	0	-	0.0004	0.0004
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	1	0	-	0.00002	0.00002
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	1	0	-	0.0000741	0.0000741
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	1	0	-	0.000382	0.000382
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	1	0	-	0.000042	0.000042
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	1	0	-	0.0000701	0.0000701
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	1	0	-	0.000138	0.000138
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	1	0	-	0.000108	0.000108
Perfluorobutanesulfonic acid (PFBS)	0.18	1	0	0	0.0000681	0.0000681
Perfluorobutanoic acid (PFBA)	0.62	1	0	0	0.000112	0.000112
Perfluorodecanesulfonic acid (PFDS)	-	1	0	-	0.0000661	0.0000661
Perfluorodecanoic acid (PFDA)	0.0000012	1	0	0	0.0000781	0.0000781
Perfluorododecanesulfonic acid (PFDoS)	-	1	0	-	0.000038	0.000038
Perfluorododecanoic acid (PFDoA)	-	1	0	-	0.000048	0.000048
Perfluoroheptanesulfonic acid (PFHpS)	-	1	0	-	0.0000701	0.0000701
Perfluoroheptanoic acid (PFHpA)	-	1	0	-	0.0000701	0.0000701
Perfluorohexanesulfonic acid (PFHxS)	0.012	1	0	0	0.0000601	0.0000601
Perfluorohexanoic acid (PFHxA)	0.31	1	0	0	0.0000741	0.0000741
Perfluorononanesulfonic acid (PFNS)	-	1	0	-	0.0000791	0.0000791
Perfluorononanoic acid (PFNA)	0.0018	1	0	0	0.0000721	0.0000721
Perfluorooctane sulfonamide (PFOSA)	-	1	0	-	0.000032	0.000032
Perfluorooctanesulfonic acid (PFOS)	0.000062	1	0	0	0.0000781	0.0000781
Perfluorooctanoic acid (PFOA)	0.00000039	1	0	0	0.0000501	0.0000501
Perfluoropentanesulfonic acid (PFPeS)	-	1	0	-	0.00004	0.00004
Perfluoropentanoic acid (PFPeA)	-	1	0	-	0.000108	0.000108
Perfluorotetradecanoic acid (PFTeDA)	-	1	0	-	0.0000621	0.0000621
Perfluorotridecanoic acid (PFTeDA)	-	1	0	-	0.0000781	0.0000781
Perfluoroundecanoic acid (PFUnA)	-	1	0	-	0.0000601	0.0000601

Notes

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

Table O-13
Labrador Tea PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Greenlaw Brook				
	Labrador Tea Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Labrador Tea Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	7	0	-	0.000237	0.000613
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	7	0	-	0.00016	0.000412
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	7	0	-	0.000263	0.00068
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	7	0	-	0.000162	0.000418
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	7	0	-	0.00136	0.00353
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	7	0	-	0.000738	0.00191
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	7	0	-	0.0000977	0.000253
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	7	0	-	0.000179	0.000464
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	7	0	-	0.000249	0.000644
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	7	0	0	0.000231	0.000598
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	7	0	-	0.0000678	0.000175
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	7	0	-	0.0000758	0.000196
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	7	0	-	0.000399	0.00103
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	7	0	-	0.0000199	0.0000515
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	7	0	-	0.0000738	0.000191
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	7	0	-	0.000381	0.000985
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	7	0	-	0.0000419	0.000108
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	7	0	-	0.0000698	0.00018
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	7	0	-	0.000138	0.000356
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	7	0	-	0.000108	0.000278
Perfluorobutanesulfonic acid (PFBS)	11	7	0	0	0.0000678	0.000175
Perfluorobutanoic acid (PFBA)	36	7	5	0	0.000112	0.000653
Perfluorodecanesulfonic acid (PFDS)	-	7	0	-	0.0000658	0.00017
Perfluorodecanoic acid (PFDA)	0.000073	7	0	0	0.0000778	0.000201
Perfluorododecanesulfonic acid (PFDoS)	-	7	0	-	0.0000379	0.0000979
Perfluorododecanoic acid (PFDoA)	-	7	0	-	0.0000479	0.000124
Perfluoroheptanesulfonic acid (PFHpS)	-	7	0	-	0.0000698	0.00018
Perfluoroheptanoic acid (PFHpA)	-	7	0	-	0.0000698	0.00018
Perfluorohexanesulfonic acid (PFHxS)	0.73	7	0	0	0.0000598	0.000155
Perfluorohexanoic acid (PFHxA)	18	7	0	0	0.0000738	0.000191
Perfluorononanesulfonic acid (PFNS)	-	7	0	-	0.0000788	0.000204
Perfluorononanoic acid (PFNA)	0.11	7	0	0	0.0000718	0.000186
Perfluorooctane sulfonamide (PFOSA)	-	7	0	-	0.0000319	0.0000825
Perfluorooctanesulfonic acid (PFOS)	0.0036	7	0	0	0.0000778	0.000201
Perfluorooctanoic acid (PFOA)	0.000023	7	0	0	0.0000499	0.000129
Perfluoropentanesulfonic acid (PFPeS)	-	7	0	-	0.0000399	0.000103
Perfluoropentanoic acid (PFPeA)	-	7	0	-	0.000108	0.000278
Perfluorotetradecanoic acid (PFTeDA)	-	7	0	-	0.0000618	0.00016
Perfluorotridecanoic acid (PFTriDA)	-	7	0	-	0.0000778	0.000201
Perfluoroundecanoic acid (PFUnA)	-	7	0	-	0.0000598	0.000155

Notes

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

Table O-13
Labrador Tea PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Butterfield Brook				
	Labrador Tea Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Labrador Tea Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	2	0	-	0.000287	0.000298
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	2	0	-	0.000193	0.0002
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	2	0	-	0.000318	0.00033
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	2	0	-	0.000195	0.000203
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	2	0	-	0.00165	0.00171
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	2	0	-	0.000892	0.000925
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	2	0	-	0.000118	0.000123
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	2	0	-	0.000217	0.000225
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	2	0	-	0.000301	0.000313
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.11	2	0	0	0.00028	0.00029
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	2	0	-	0.0000819	0.000085
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	2	0	-	0.0000916	0.000095
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	2	0	-	0.000482	0.0005
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	2	0	-	0.0000241	0.000025
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	2	0	-	0.0000892	0.0000925
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	2	0	-	0.00046	0.000478
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	2	0	-	0.0000506	0.0000525
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	2	0	-	0.0000843	0.0000875
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	2	0	-	0.000166	0.000173
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	2	0	-	0.00013	0.000135
Perfluorobutanesulfonic acid (PFBS)	11	2	0	0	0.0000819	0.000085
Perfluorobutanoic acid (PFBA)	36	2	1	0	0.000135	0.0000898
Perfluorodecanesulfonic acid (PFDS)	-	2	0	-	0.0000795	0.0000825
Perfluorodecanoic acid (PFDA)	0.000073	2	0	0	0.000094	0.0000975
Perfluorododecanesulfonic acid (PFDoS)	-	2	0	-	0.0000458	0.0000475
Perfluorododecanoic acid (PFDoA)	-	2	0	-	0.0000578	0.00006
Perfluoroheptanesulfonic acid (PFHpS)	-	2	0	-	0.0000843	0.0000875
Perfluoroheptanoic acid (PFHpA)	-	2	0	-	0.0000843	0.0000875
Perfluorohexanesulfonic acid (PFHxS)	0.73	2	0	0	0.0000723	0.000075
Perfluorohexanoic acid (PFHxA)	18	2	0	0	0.0000892	0.0000925
Perfluorononanesulfonic acid (PFNS)	-	2	0	-	0.0000952	0.0000988
Perfluorononanoic acid (PFNA)	0.11	2	0	0	0.0000867	0.00009
Perfluorooctane sulfonamide (PFOSA)	-	2	0	-	0.0000386	0.00004
Perfluorooctanesulfonic acid (PFOS)	0.0036	2	0	0	0.000094	0.0000975
Perfluorooctanoic acid (PFOA)	0.000023	2	0	0	0.0000602	0.0000625
Perfluoropentanesulfonic acid (PFPeS)	-	2	0	-	0.0000482	0.00005
Perfluoropentanoic acid (PFPeA)	-	2	0	-	0.00013	0.000135
Perfluorotetradecanoic acid (PFTeDA)	-	2	0	-	0.0000747	0.0000775
Perfluorotridecanoic acid (PFTeDA)	-	2	0	-	0.000094	0.0000975
Perfluoroundecanoic acid (PFUnA)	-	2	0	-	0.0000723	0.000075

Notes

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

Table O-14
Fish for Human Consumption PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Greenlaw Brook				
	Fish Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Fish Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	-	0	0	-	-	-
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	15	0	-	0.00082	0.00099
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	15	0	-	0.00082	0.00099
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	15	0	-	0.00082	0.00099
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	0	0	-	-	-
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	0	0	-	-	-
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	0	0	-	-	-
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	0	0	-	-	-
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	-	0	0	-	-	-
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.00062	0	0	0	-	-
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	0	0	-	-	-
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	15	0	-	0.00082	0.00099
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	0	0	-	-	-
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	15	0	-	0.00082	0.00099
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	15	0	-	0.00082	0.00099
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	0	0	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	0	0	-	-	-
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	0	0	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	0	0	-	-	-
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	0	0	-	-	-
Perfluorobutanesulfonic acid (PFBS)	0.062	15	0	0	0.00082	0.00099
Perfluorobutanoic acid (PFBA)	0.21	15	0	0	0.00082	0.00099
Perfluorodecanesulfonic acid (PFDS)	-	15	0	-	0.00082	0.00099
Perfluorodecanoic acid (PFDA)	0.00000041	15	4	4	0.000548	0.00099
Perfluorododecanesulfonic acid (PFDoS)	-	0	0	-	-	-
Perfluorododecanoic acid (PFDoA)	-	15	2	-	0.000521	0.00099
Perfluoroheptanesulfonic acid (PFHpS)	-	15	4	-	0.000525	0.00131
Perfluoroheptanoic acid (PFHpA)	-	15	4	-	0.00082	0.00099
Perfluorohexanesulfonic acid (PFHxS)	0.0041	15	8	2	0.000727	0.00866
Perfluorohexanoic acid (PFHxA)	0.1	15	0	0	0.00082	0.00099
Perfluorononanesulfonic acid (PFNS)	-	15	4	-	0.000514	0.00098
Perfluorononanoic acid (PFNA)	0.00062	15	3	2	0.000521	0.00099
Perfluorooctane sulfonamide (PFOSA)	-	15	0	-	0.00082	0.00099
Perfluorooctanesulfonic acid (PFOS)	0.000021	15	15	15	0.00186	0.258
Perfluorooctanoic acid (PFOA)	0.0000003	15	0	0	0.00082	0.00099
Perfluoropentanesulfonic acid (PFPeS)	-	15	0	-	0.00082	0.00099
Perfluoropentanoic acid (PFPeA)	-	15	0	-	0.00082	0.00099
Perfluorotetradecanoic acid (PFTeDA)	-	15	0	-	0.00082	0.00099
Perfluorotridecanoic acid (PFTriDA)	-	15	0	-	0.00082	0.00099
Perfluoroundecanoic acid (PFUnA)	-	15	7	-	0.000482	0.00136

Notes

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

Table O-14
Fish for Human Consumption PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Butterfield Brook				
	Fish Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Fish Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	0	0	-	-	-
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	10	0	-	0.000909	0.001
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	10	0	-	0.000909	0.001
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	10	0	-	0.000909	0.001
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	0	0	-	-	-
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	0	0	-	-	-
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	0	0	-	-	-
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	0	0	-	-	-
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	0	0	-	-	-
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.00062	0	0	0	-	-
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	0	0	-	-	-
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	10	0	-	0.000909	0.001
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	0	0	-	-	-
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	10	0	-	0.000909	0.001
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	10	0	-	0.000909	0.001
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	0	0	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	0	0	-	-	-
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	0	0	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	0	0	-	-	-
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	0	0	-	-	-
Perfluorobutanesulfonic acid (PFBS)	0.062	10	0	0	0.000909	0.001
Perfluorobutanoic acid (PFBA)	0.21	10	0	0	0.000909	0.001
Perfluorodecanesulfonic acid (PFDS)	-	10	0	-	0.000909	0.001
Perfluorodecanoic acid (PFDA)	0.00000041	10	0	0	0.000909	0.001
Perfluorododecanesulfonic acid (PFDoS)	-	0	0	-	-	-
Perfluorododecanoic acid (PFDoA)	-	10	0	-	0.000909	0.001
Perfluoroheptanesulfonic acid (PFHpS)	-	10	0	-	0.000909	0.001
Perfluoroheptanoic acid (PFHpA)	-	10	0	-	0.000909	0.001
Perfluorohexanesulfonic acid (PFHxS)	0.0041	10	7	0	0.000641	0.00275
Perfluorohexanoic acid (PFHxA)	0.1	10	0	0	0.000909	0.001
Perfluorononanesulfonic acid (PFNS)	-	10	0	-	0.000909	0.001
Perfluorononanoic acid (PFNA)	0.00062	10	1	0	0.000585	0.001
Perfluorooctane sulfonamide (PFOSA)	-	10	0	-	0.000909	0.001
Perfluorooctanesulfonic acid (PFOS)	0.000021	10	10	10	0.00142	0.0805
Perfluorooctanoic acid (PFOA)	0.0000003	10	0	0	0.000909	0.001
Perfluoropentanesulfonic acid (PFPeS)	-	10	0	-	0.000909	0.001
Perfluoropentanoic acid (PFPeA)	-	10	0	-	0.000909	0.001
Perfluorotetradecanoic acid (PFTeDA)	-	10	0	-	0.000909	0.001
Perfluorotridecanoic acid (PFTeDA)	-	10	0	-	0.000909	0.001
Perfluoroundecanoic acid (PFUnA)	-	10	1	-	0.000524	0.001

Notes

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

Table O-14
Fish for Human Consumption PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Reference Drainages				
	Fish Lowest SV (mg/kg)	Number of Samples	Number of Detections	Number of Fish Lowest SV Exceedances	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	-	0	0	-	-	-
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	-	3	0	-	0.000952	0.001
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	-	3	0	-	0.000952	0.001
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	-	3	0	-	0.000952	0.001
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	-	0	0	-	-	-
3-Perfluoroheptyl propanoic acid (7:3FTCA)	-	0	0	-	-	-
3-Perfluoropropyl propanoic acid (3:3FTCA)	-	0	0	-	-	-
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	-	0	0	-	-	-
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	-	0	0	-	-	-
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.00062	0	0	0	-	-
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	-	0	0	-	-	-
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	-	3	0	-	0.000952	0.001
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	-	0	0	-	-	-
N-methyl perfluorooctanesulfonamide (NMeFOSA)	-	3	0	-	0.000952	0.001
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	-	3	0	-	0.000952	0.001
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	-	0	0	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	-	0	0	-	-	-
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	-	0	0	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	-	0	0	-	-	-
Perfluoro-4-methoxybutanoic acid (PFMBA)	-	0	0	-	-	-
Perfluorobutanesulfonic acid (PFBS)	0.062	3	0	0	0.000952	0.001
Perfluorobutanoic acid (PFBA)	0.21	3	0	0	0.000952	0.001
Perfluorodecanesulfonic acid (PFDS)	-	3	0	-	0.000952	0.001
Perfluorodecanoic acid (PFDA)	0.00000041	3	0	0	0.000952	0.001
Perfluorododecanesulfonic acid (PFDoS)	-	0	0	-	-	-
Perfluorododecanoic acid (PFDoA)	-	3	0	-	0.000952	0.001
Perfluoroheptanesulfonic acid (PFHpS)	-	3	0	-	0.000952	0.001
Perfluoroheptanoic acid (PFHpA)	-	3	0	-	0.000952	0.001
Perfluorohexanesulfonic acid (PFHxS)	0.0041	3	0	0	0.000952	0.00275
Perfluorohexanoic acid (PFHxA)	0.1	3	0	0	0.000952	0.001
Perfluorononanesulfonic acid (PFNS)	-	3	0	-	0.000952	0.001
Perfluorononanoic acid (PFNA)	0.00062	3	0	0	0.000952	0.001
Perfluorooctane sulfonamide (PFOSA)	-	3	0	-	0.000952	0.001
Perfluorooctanesulfonic acid (PFOS)	0.000021	3	3	3	0.00126	0.0805
Perfluorooctanoic acid (PFOA)	0.0000003	3	0	0	0.000952	0.001
Perfluoropentanesulfonic acid (PFPeS)	-	3	0	-	0.000952	0.001
Perfluoropentanoic acid (PFPeA)	-	3	0	-	0.000952	0.001
Perfluorotetradecanoic acid (PFTeDA)	-	3	0	-	0.000952	0.001
Perfluorotridecanoic acid (PFTeDA)	-	3	0	-	0.000952	0.001
Perfluoroundecanoic acid (PFUnA)	-	3	0	-	0.000952	0.001

Notes

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

Table O-15
Aquatic Plant PFAS Analytical Statistics

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

Analyte	Greenlaw Brook Drainage				Butterfield Brook Drainage			
	Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)	Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	22	0	0.0011	0.0039	8	0	0.000885	0.00207
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	22	4	0.000737	0.0172	8	0	0.000595	0.00139
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	22	0	0.00122	0.00433	8	0	0.000981	0.0023
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	22	3	0.000747	0.00384	8	0	0.000602	0.00141
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	22	0	0.0063	0.0224	8	0	0.00509	0.0119
3-Perfluoroheptyl propanoic acid (7:3FTCA)	22	1	0.00341	0.0121	8	0	0.00275	0.00643
3-Perfluoropropyl propanoic acid (3:3FTCA)	22	0	0.000452	0.00161	8	0	0.000364	0.000852
4,8-dioxo-3H-perfluorononanoic acid (ADONA)	22	0	0.000829	0.00295	8	0	0.000669	0.00157
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	22	0	0.00115	0.0041	8	0	0.000929	0.00217
Hexafluoropropylene oxide dimer acid (HFPO-DA)	22	0	0.00107	0.0038	8	0	0.000862	0.00202
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	22	0	0.000313	0.00111	7	0	0.000253	0.000581
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	22	0	0.00035	0.00125	8	0	0.000283	0.000661
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	22	0	0.00184	0.00656	7	0	0.00149	0.00342
N-methyl perfluorooctanesulfonamide (NMeFOSA)	22	0	0.000092	0.000328	8	0	0.000074	0.000174
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	22	1	0.000341	0.00139	8	0	0.000275	0.000643
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	22	1	0.00176	0.00628	6	0	0.00142	0.00326
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	22	0	0.000194	0.000689	8	0	0.000156	0.000365
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	22	0	0.000323	0.00115	8	0	0.00026	0.000609
Perfluoro-3-methoxypropanoic acid (PFMPA)	22	0	0.000636	0.00226	8	0	0.000513	0.0012
Perfluoro-4-methoxybutanoic acid (PFMBA)	22	5	0.000498	0.00337	8	1	0.000401	0.0012
Perfluorobutanesulfonic acid (PFBS)	22	0	0.000313	0.00111	8	0	0.000253	0.000591
Perfluorobutanoic acid (PFBA)	22	12	0.000305	0.00323	8	2	0.000421	0.000974
Perfluorodecanesulfonic acid (PFDS)	22	3	0.000304	0.00534	8	0	0.000245	0.000574
Perfluorodecanoic acid (PFDA)	22	4	0.000223	0.00128	8	1	0.00029	0.000667
Perfluorododecanesulfonic acid (PFDoS)	22	2	0.000175	0.00423	8	0	0.000141	0.00033
Perfluorododecanoic acid (PFDoA)	22	1	0.000221	0.000787	8	0	0.000178	0.000417
Perfluoroheptanesulfonic acid (PFHpS)	22	3	0.000323	0.00144	8	0	0.00026	0.000609
Perfluoroheptanoic acid (PFHpA)	22	3	0.000323	0.00115	8	0	0.00026	0.000609
Perfluorohexanesulfonic acid (PFHxS)	22	18	0.00015	0.0111	8	3	0.000223	0.000673
Perfluorohexanoic acid (PFHxA)	22	2	0.000341	0.00125	8	0	0.000275	0.000643
Perfluorononanesulfonic acid (PFNS)	22	3	0.000364	0.00164	8	0	0.000294	0.000687
Perfluorononanoic acid (PFNA)	22	14	0.000302	0.00182	8	3	0.000268	0.00104
Perfluorooctane sulfonamide (PFOSA)	22	7	0.000084	0.013	8	1	0.000119	0.000278
Perfluorooctanesulfonic acid (PFOS)	22	21	0.000314	0.301	8	8	0.000788	0.0196
Perfluorooctanoic acid (PFOA)	22	11	0.00023	0.00315	8	3	0.000135	0.000724
Perfluoropentanesulfonic acid (PFPeS)	22	3	0.000184	0.00105	8	0	0.000149	0.000348
Perfluoropentanoic acid (PFPeA)	22	7	0.000498	0.00657	8	0	0.000401	0.000939
Perfluorotetradecanoic acid (PFTeDA)	22	0	0.000286	0.00102	8	0	0.00023	0.000539
Perfluorotridecanoic acid (PFTTrDA)	22	1	0.000359	0.00128	8	0	0.00029	0.000678
Perfluoroundecanoic acid (PFUnA)	22	3	0.000276	0.000984	8	0	0.000223	0.000522

Notes

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

Table O-15
Aquatic Plant PFAS Analytical Statistics

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

Analyte	Drainage Basin:	Reference			
		Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		2	0	0.00179	0.00262
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)		2	0	0.0012	0.00176
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)		2	0	0.00198	0.0029
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)		2	0	0.00122	0.00178
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		2	0	0.0103	0.015
3-Perfluoroheptyl propanoic acid (7:3FTCA)		2	0	0.00556	0.00813
3-Perfluoropropyl propanoic acid (3:3FTCA)		2	0	0.000737	0.00108
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		2	0	0.00135	0.00198
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		2	0	0.00188	0.00275
Hexafluoropropylene oxide dimer acid (HFPO-DA)		2	0	0.00174	0.00255
N-ethyl perfluorooctanesulfonamide (NEtFOSA)		2	0	0.000511	0.000747
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		2	0	0.000571	0.000835
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		2	0	0.00301	0.0044
N-methyl perfluorooctanesulfonamide (NMeFOSA)		2	0	0.00015	0.00022
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		2	0	0.000556	0.000813
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		2	0	0.00287	0.0042
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		2	0	0.000316	0.000462
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		2	0	0.000526	0.000769
Perfluoro-3-methoxypropanoic acid (PFMPA)		2	0	0.00104	0.00152
Perfluoro-4-methoxybutanoic acid (PFMBA)		2	0	0.000812	0.00119
Perfluorobutanesulfonic acid (PFBS)		2	0	0.000511	0.000747
Perfluorobutanoic acid (PFBA)		2	1	0.000674	0.00123
Perfluorodecanesulfonic acid (PFDS)		2	0	0.000496	0.000725
Perfluorodecanoic acid (PFDA)		2	0	0.000586	0.000857
Perfluorododecanesulfonic acid (PFDoS)		2	0	0.000286	0.000418
Perfluorododecanoic acid (PFDoA)		2	0	0.000361	0.000527
Perfluoroheptanesulfonic acid (PFHpS)		2	0	0.000526	0.000769
Perfluoroheptanoic acid (PFHpA)		2	0	0.000526	0.000769
Perfluorohexanesulfonic acid (PFHxS)		2	0	0.000451	0.000659
Perfluorohexanoic acid (PFHxA)		2	0	0.000556	0.000813
Perfluorononanesulfonic acid (PFNS)		2	0	0.000594	0.000868
Perfluorononanoic acid (PFNA)		2	0	0.000541	0.000791
Perfluorooctane sulfonamide (PFOSA)		2	0	0.000241	0.000352
Perfluorooctanesulfonic acid (PFOS)		2	0	0.000586	0.000857
Perfluorooctanoic acid (PFOA)		2	0	0.000376	0.000549
Perfluoropentanesulfonic acid (PFPeS)		2	0	0.000301	0.00044
Perfluoropentanoic acid (PFPeA)		2	1	0.00119	0.00286
Perfluorotetradecanoic acid (PFTeDA)		2	0	0.000466	0.000681
Perfluorotridecanoic acid (PFTTrDA)		2	0	0.000586	0.000857
Perfluoroundecanoic acid (PFUnA)		2	0	0.000451	0.000659

Notes

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

Table O-16
Aquatic Invertebrate PFAS Analytical Statistics

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

Analyte	Greenlaw Brook Drainage				Butterfield Brook Drainage			
	Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)	Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	25	0	0.00117	0.00768	9	0	0.00119	0.0085
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	25	4	0.00246	0.0154	9	0	0.0008	0.00571
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	25	0	0.00129	0.00852	9	0	0.00132	0.00943
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	25	4	0.000615	0.0216	9	0	0.00081	0.00579
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	25	7	0.00671	0.179	9	0	0.00684	0.0489
3-Perfluoroheptyl propanoic acid (7:3FTCA)	25	4	0.0114	0.0366	9	1	0.0037	0.0277
3-Perfluoropropyl propanoic acid (3:3FTCA)	25	0	0.00048	0.00316	9	0	0.00049	0.0035
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	25	0	0.000882	0.00581	9	0	0.0009	0.00643
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	25	0	0.00123	0.00806	9	0	0.00125	0.00893
Hexafluoropropylene oxide dimer acid (HFPO-DA)	25	1	0.00114	0.00748	9	0	0.00116	0.00829
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	25	0	0.000333	0.00219	9	0	0.00034	0.00243
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25	3	0.000283	0.00245	9	0	0.00038	0.00271
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	25	0	0.00196	0.0129	9	0	0.002	0.0143
N-methyl perfluorooctanesulfonamide (NMeFOSA)	25	0	0.000098	0.000645	9	0	0.0001	0.000714
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25	0	0.000363	0.00239	9	0	0.00037	0.00264
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	25	0	0.00187	0.0123	9	0	0.00191	0.0136
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	25	0	0.000206	0.00135	9	0	0.00021	0.0015
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	25	0	0.000343	0.00226	9	0	0.00035	0.0025
Perfluoro-3-methoxypropanoic acid (PFMPA)	25	0	0.000676	0.00445	9	0	0.00069	0.00493
Perfluoro-4-methoxybutanoic acid (PFMBA)	25	2	0.000529	0.00348	9	0	0.00054	0.00386
Perfluorobutanesulfonic acid (PFBS)	25	4	0.000333	0.0582	9	0	0.00034	0.00243
Perfluorobutanoic acid (PFBA)	25	6	0.000549	0.0155	9	0	0.00056	0.004
Perfluorodecanesulfonic acid (PFDS)	25	7	0.000574	0.0111	9	2	0.00033	0.0071
Perfluorodecanoic acid (PFDA)	25	10	0.000653	0.00315	9	1	0.000416	0.00279
Perfluorododecanesulfonic acid (PFDoS)	25	6	0.000306	0.00587	9	2	0.00019	0.00256
Perfluorododecanoic acid (PFDoA)	25	19	0.000235	0.00716	9	1	0.00024	0.00171
Perfluoroheptanesulfonic acid (PFHpS)	25	8	0.000238	0.00226	9	0	0.00035	0.0025
Perfluoroheptanoic acid (PFHpA)	25	15	0.000343	0.00795	9	1	0.00035	0.0025
Perfluorohexanesulfonic acid (PFHxS)	25	25	0.00167	0.0653	9	8	0.000232	0.0287
Perfluorohexanoic acid (PFHxA)	25	8	0.000363	0.0334	9	0	0.00037	0.00264
Perfluorononanesulfonic acid (PFNS)	25	6	0.000828	0.00255	9	2	0.000395	0.00282
Perfluorononanoic acid (PFNA)	25	19	0.000217	0.00814	9	4	0.000319	0.00257
Perfluorooctane sulfonamide (PFOSA)	25	18	0.000516	0.0478	9	6	0.000241	0.00721
Perfluorooctanesulfonic acid (PFOS)	25	25	0.00582	0.161	9	9	0.000793	0.203
Perfluorooctanoic acid (PFOA)	25	21	0.000395	1.26	9	6	0.000302	0.00227
Perfluoropentanesulfonic acid (PFPeS)	25	7	0.000196	0.00342	9	0	0.0002	0.00143
Perfluoropentanoic acid (PFPeA)	25	10	0.000529	0.00554	9	0	0.00054	0.00386
Perfluorotetradecanoic acid (PFTeDA)	25	8	0.000304	0.00299	9	1	0.00031	0.00227
Perfluorotridecanoic acid (PFTrDA)	25	22	0.000409	0.0117	9	7	0.000292	0.0102
Perfluoroundecanoic acid (PFUnA)	25	22	0.000863	0.0105	9	6	0.000451	0.00393

Notes

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

Table O-16
Aquatic Invertebrate PFAS Analytical Statistics

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

Analyte	Drainage Basin:		Reference	
	Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2	0	0.00425	0.00425
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	2	0	0.00286	0.00286
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	2	0	0.00471	0.00471
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	2	0	0.00289	0.00289
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	2	0	0.0244	0.0244
3-Perfluoroheptyl propanoic acid (7:3FTCA)	2	0	0.0132	0.0132
3-Perfluoropropyl propanoic acid (3:3FTCA)	2	0	0.00175	0.00175
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	2	0	0.00321	0.00321
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2	0	0.00446	0.00446
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2	0	0.00414	0.00414
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	2	0	0.00121	0.00121
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2	0	0.00136	0.00136
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	2	0	0.00714	0.00714
N-methyl perfluorooctanesulfonamide (NMeFOSA)	2	0	0.000357	0.000357
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2	0	0.00132	0.00132
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	2	0	0.00682	0.00682
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2	0	0.00075	0.00075
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	2	0	0.00125	0.00125
Perfluoro-3-methoxypropanoic acid (PFMPA)	2	0	0.00246	0.00246
Perfluoro-4-methoxybutanoic acid (PFMBA)	2	0	0.00193	0.00193
Perfluorobutanesulfonic acid (PFBS)	2	0	0.00121	0.00121
Perfluorobutanoic acid (PFBA)	2	0	0.002	0.002
Perfluorodecanesulfonic acid (PFDS)	2	0	0.00118	0.00118
Perfluorodecanoic acid (PFDA)	2	0	0.00139	0.00139
Perfluorododecanesulfonic acid (PFDoS)	2	0	0.000679	0.000679
Perfluorododecanoic acid (PFDoA)	2	0	0.000857	0.000857
Perfluoroheptanesulfonic acid (PFHpS)	2	0	0.00125	0.00125
Perfluoroheptanoic acid (PFHpA)	2	0	0.00125	0.00125
Perfluorohexanesulfonic acid (PFHxS)	2	0	0.00107	0.00107
Perfluorohexanoic acid (PFHxA)	2	0	0.00132	0.00132
Perfluorononanesulfonic acid (PFNS)	2	0	0.00141	0.00141
Perfluorononanoic acid (PFNA)	2	0	0.00129	0.00129
Perfluorooctane sulfonamide (PFOSA)	2	0	0.000571	0.000571
Perfluorooctanesulfonic acid (PFOS)	2	1	0.000759	0.00139
Perfluorooctanoic acid (PFOA)	2	2	0.000566	0.00082
Perfluoropentanesulfonic acid (PFPeS)	2	0	0.000714	0.000714
Perfluoropentanoic acid (PFPeA)	2	0	0.00193	0.00193
Perfluorotetradecanoic acid (PFTeDA)	2	0	0.00111	0.00111
Perfluorotridecanoic acid (PFTrDA)	2	1	0.00103	0.00139
Perfluoroundecanoic acid (PFUnA)	2	0	0.00107	0.00107

Notes

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

Table O-17
Whole Body Fish PFAS Analytical Statistics

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

Analyte	Greenlaw Brook Drainage				Butterfield Brook Drainage			
	Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)	Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	18	0	0.00449	0.00661	8	0	0.00486	0.00595
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	18	10	0.00174	0.134	8	0	0.00327	0.004
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	18	0	0.00498	0.00733	8	0	0.00539	0.0066
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	18	0	0.00306	0.0045	8	0	0.00331	0.00405
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	18	1	0.0258	0.038	8	0	0.0279	0.0342
3-Perfluoroheptyl propanoic acid (7:3FTCA)	18	10	0.00899	0.092	8	0	0.0151	0.0185
3-Perfluoropropyl propanoic acid (3:3FTCA)	18	0	0.00185	0.00272	8	0	0.002	0.00245
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	18	0	0.0034	0.005	8	0	0.00367	0.0045
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	18	0	0.00472	0.00694	8	0	0.0051	0.00625
Hexafluoropropylene oxide dimer acid (HFPO-DA)	18	0	0.00438	0.00644	8	0	0.00473	0.0058
N-ethyl perfluorooctanesulfonamide (NtEFOSA)	18	0	0.00128	0.00189	8	0	0.00139	0.0017
N-ethyl perfluorooctanesulfonamidoacetic acid (NtEFOSAA)	18	1	0.00117	0.00211	8	0	0.00155	0.0019
N-ethyl perfluorooctanesulfonamidoethanol (NtEFOSE)	18	0	0.00755	0.0111	8	0	0.00816	0.01
N-methyl perfluorooctanesulfonamide (NMeFOSA)	18	0	0.000377	0.000556	8	0	0.000408	0.0005
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	18	0	0.0014	0.00206	8	0	0.00151	0.00185
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	18	0	0.00721	0.0106	8	0	0.0078	0.00955
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	18	0	0.000792	0.00117	8	0	0.000857	0.00105
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	18	0	0.00132	0.00194	8	0	0.00143	0.00175
Perfluoro-3-methoxypropanoic acid (PFMPA)	18	0	0.0026	0.00383	8	0	0.00282	0.00345
Perfluoro-4-methoxybutanoic acid (PFMBA)	18	0	0.00204	0.003	8	0	0.0022	0.0027
Perfluorobutanesulfonic acid (PFBS)	18	1	0.00128	0.00305	8	0	0.00139	0.0017
Perfluorobutanoic acid (PFBA)	18	0	0.00211	0.00311	8	0	0.00229	0.0028
Perfluorodecanesulfonic acid (PFDS)	18	16	0.00126	0.0202	8	1	0.00135	0.00769
Perfluorodecanoic acid (PFDA)	18	14	0.00139	0.00777	8	7	0.00176	0.00688
Perfluorododecanesulfonic acid (PFDoS)	18	12	0.000657	0.00415	8	1	0.000776	0.00159
Perfluorododecanoic acid (PFDoA)	18	15	0.00114	0.00482	8	5	0.00104	0.00197
Perfluoroheptanesulfonic acid (PFHpS)	18	13	0.00101	0.0693	8	1	0.00143	0.00344
Perfluoroheptanoic acid (PFHpA)	18	0	0.00132	0.00194	8	0	0.00143	0.00175
Perfluorohexanesulfonic acid (PFHxS)	18	16	0.00146	0.191	8	6	0.000887	0.0123
Perfluorohexanoic acid (PFHxA)	18	0	0.0014	0.00206	8	0	0.00151	0.00185
Perfluorononanesulfonic acid (PFNS)	18	15	0.000833	0.0276	8	3	0.000922	0.00476
Perfluorononanoic acid (PFNA)	18	11	0.00119	0.00488	8	6	0.000798	0.00281
Perfluorooctane sulfonamide (PFOSA)	18	14	0.000667	0.0475	8	3	0.000467	0.00571
Perfluorooctanesulfonic acid (PFOS)	18	18	0.00343	3.58	8	8	0.0259	0.712
Perfluorooctanoic acid (PFOA)	18	4	0.0007	0.00182	8	2	0.000638	0.00132
Perfluoropentanesulfonic acid (PFPeS)	18	3	0.000755	0.0189	8	0	0.000816	0.001
Perfluoropentanoic acid (PFPeA)	18	0	0.00204	0.003	8	0	0.0022	0.0027
Perfluorotetradecanoic acid (PFTeDA)	18	8	0.00109	0.00284	8	2	0.000961	0.00155
Perfluorotridecanoic acid (PFTeDA)	18	15	0.00116	0.00949	8	6	0.00101	0.00595
Perfluoroundecanoic acid (PFUnA)	18	14	0.00146	0.0103	8	6	0.0015	0.0113

Notes

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

Table O-17
Whole Body Fish PFAS Analytical Statistics

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

Analyte	Reference			
	Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2	0	0.00486	0.00517
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	2	0	0.00327	0.00348
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	2	0	0.00539	0.00574
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	2	0	0.00331	0.00352
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	2	0	0.0279	0.0297
3-Perfluoroheptyl propanoic acid (7:3FTCA)	2	0	0.0151	0.0161
3-Perfluoropropyl propanoic acid (3:3FTCA)	2	0	0.002	0.00213
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	2	0	0.00367	0.00391
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2	0	0.0051	0.00543
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2	0	0.00473	0.00504
N-ethyl perfluorooctanesulfonamide (NETFOSA)	2	0	0.00139	0.00148
N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	2	0	0.00155	0.00165
N-ethyl perfluorooctanesulfonamidoethanol (NETFOSE)	1	0	0.0087	0.0087
N-methyl perfluorooctanesulfonamide (NMeFOSA)	2	0	0.000408	0.000435
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2	0	0.00151	0.00161
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	2	0	0.0078	0.0083
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2	0	0.000857	0.000913
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	2	0	0.00143	0.00152
Perfluoro-3-methoxypropanoic acid (PFMPA)	2	0	0.00282	0.003
Perfluoro-4-methoxybutanoic acid (PFMBA)	2	1	0.00235	0.00363
Perfluorobutanesulfonic acid (PFBS)	2	0	0.00139	0.00148
Perfluorobutanoic acid (PFBA)	2	0	0.00229	0.00243
Perfluorodecanesulfonic acid (PFDS)	2	0	0.00135	0.00143
Perfluorodecanoic acid (PFDA)	2	2	0.00138	0.00165
Perfluorododecanesulfonic acid (PFDoS)	2	0	0.000776	0.000826
Perfluorododecanoic acid (PFDoA)	2	2	0.000498	0.00123
Perfluoroheptanesulfonic acid (PFHpS)	2	0	0.00143	0.00152
Perfluoroheptanoic acid (PFHpA)	2	0	0.00143	0.00152
Perfluorohexanesulfonic acid (PFHxS)	2	0	0.00122	0.0013
Perfluorohexanoic acid (PFHxA)	2	0	0.00151	0.00161
Perfluorononanesulfonic acid (PFNS)	2	0	0.00161	0.00172
Perfluorononanoic acid (PFNA)	2	1	0.00122	0.00147
Perfluorooctane sulfonamide (PFOSA)	2	0	0.000653	0.000696
Perfluorooctanesulfonic acid (PFOS)	2	2	0.0059	0.0179
Perfluorooctanoic acid (PFOA)	2	0	0.00102	0.00109
Perfluoropentanesulfonic acid (PFPeS)	2	0	0.000816	0.00087
Perfluoropentanoic acid (PFPeA)	2	0	0.0022	0.00235
Perfluorotetradecanoic acid (PFTeDA)	2	1	0.00109	0.00127
Perfluorotridecanoic acid (PFTrDA)	2	2	0.00099	0.00473
Perfluoroundecanoic acid (PFUnA)	2	1	0.00122	0.00285

Notes

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

Table O-18
Terrestrial Plant PFAS Analytical Statistics

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

Analyte	Area:	Sitewide			
		Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		21	0	0.000667	0.00168
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)		21	2	0.000448	0.00689
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)		21	0	0.000739	0.00186
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)		21	2	0.000454	0.0155
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		21	0	0.00383	0.00963
3-Perfluoroheptyl propanoic acid (7:3FTCA)		21	0	0.00207	0.00521
3-Perfluoropropyl propanoic acid (3:3FTCA)		21	0	0.000275	0.00069
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		21	0	0.000504	0.00127
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		21	0	0.0007	0.00176
Hexafluoropropylene oxide dimer acid (HFPO-DA)		21	0	0.00065	0.00163
N-ethyl perfluorooctanesulfonamide (NEtFOSA)		21	0	0.00019	0.000479
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		21	0	0.000213	0.000535
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		21	1	0.00112	0.00282
N-methyl perfluorooctanesulfonamide (NMeFOSA)		21	0	0.000056	0.000141
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		21	0	0.000207	0.000521
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		21	0	0.00107	0.00269
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		21	0	0.000118	0.000296
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		21	0	0.000196	0.000493
Perfluoro-3-methoxypropanoic acid (PFMPA)		21	0	0.000387	0.000972
Perfluoro-4-methoxybutanoic acid (PFMBA)		21	0	0.000303	0.000761
Perfluorobutanesulfonic acid (PFBS)		21	3	0.00019	0.00124
Perfluorobutanoic acid (PFBA)		21	19	0.000562	0.195
Perfluorodecanesulfonic acid (PFDS)		21	0	0.000185	0.000465
Perfluorodecanoic acid (PFDA)		21	2	0.000164	0.000549
Perfluorododecanesulfonic acid (PFDoS)		21	1	0.000106	0.000719
Perfluorododecanoic acid (PFDoA)		21	0	0.000134	0.000338
Perfluoroheptanesulfonic acid (PFHpS)		21	2	0.000196	0.000818
Perfluoroheptanoic acid (PFHpA)		21	1	0.000196	0.00884
Perfluorohexanesulfonic acid (PFHxS)		21	9	0.000201	0.0539
Perfluorohexanoic acid (PFHxA)		21	3	0.000207	0.0341
Perfluorononanesulfonic acid (PFNS)		21	3	0.000159	0.000556
Perfluorononanoic acid (PFNA)		21	3	0.000202	0.00689
Perfluorooctane sulfonamide (PFOSA)		21	3	0.000107	0.000538
Perfluorooctanesulfonic acid (PFOS)		21	10	0.00018	0.07
Perfluorooctanoic acid (PFOA)		21	3	0.00014	0.0066
Perfluoropentanesulfonic acid (PFPeS)		21	4	0.000112	0.00113
Perfluoropentanoic acid (PFPeA)		21	10	0.000303	0.227
Perfluorotetradecanoic acid (PFTeDA)		21	0	0.000174	0.000437
Perfluorotridecanoic acid (PFTTrDA)		21	0	0.000218	0.000549
Perfluoroundecanoic acid (PFUnA)		21	0	0.000168	0.000423

Notes

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

Table O-19
Terrestrial Invertebrate PFAS Analytical Statistics

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

Analyte	Area:	Sitewide		
		Number of Samples	Number of Detections	Minimum (mg/kg) Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		23	0	0.00114 0.0159
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)		23	13	0.000766 4.08
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)		23	0	0.00126 0.0176
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)		23	7	0.000775 1.26
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		23	16	0.00655 191
3-Perfluoroheptyl propanoic acid (7:3FTCA)		23	19	0.00354 149
3-Perfluoropropyl propanoic acid (3:3FTCA)		23	13	0.000469 7.95
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		23	0	0.000861 0.012
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		23	0	0.0012 0.0167
Hexafluoropropylene oxide dimer acid (HFPO-DA)		23	0	0.00111 0.0155
N-ethyl perfluorooctanesulfonamide (NEtFOSA)		23	18	0.00037 0.425
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		23	4	0.000245 0.0353
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		23	10	0.001 0.296
N-methyl perfluorooctanesulfonamide (NMeFOSA)		23	9	0.0001 0.146
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		23	2	0.000354 0.125
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		23	4	0.00183 0.167
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		23	0	0.000201 0.0028
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		23	0	0.000335 0.00467
Perfluoro-3-methoxypropanoic acid (PFMPA)		23	0	0.00066 0.0092
Perfluoro-4-methoxybutanoic acid (PFMBA)		23	1	0.000305 0.0072
Perfluorobutanesulfonic acid (PFBS)		23	10	0.000325 0.305
Perfluorobutanoic acid (PFBA)		23	17	0.000563 0.314
Perfluorodecanesulfonic acid (PFDS)		23	14	0.000267 0.935
Perfluorodecanoic acid (PFDA)		23	17	0.000324 0.0555
Perfluorododecanesulfonic acid (PFDoS)		23	12	0.000182 1.2
Perfluorododecanoic acid (PFDoA)		23	21	0.00023 0.182
Perfluoroheptanesulfonic acid (PFHpS)		23	15	0.000335 0.481
Perfluoroheptanoic acid (PFHpA)		23	7	0.000335 0.238
Perfluorohexanesulfonic acid (PFHxS)		23	22	0.000735 11
Perfluorohexanoic acid (PFHxA)		23	14	0.000356 0.364
Perfluorononanesulfonic acid (PFNS)		23	11	0.000378 0.372
Perfluorononanoic acid (PFNA)		23	21	0.000249 0.124
Perfluorooctane sulfonamide (PFOSA)		23	20	0.000161 1.87
Perfluorooctanesulfonic acid (PFOS)		23	23	0.00231 38
Perfluorooctanoic acid (PFOA)		23	19	0.000251 0.203
Perfluoropentanesulfonic acid (PFPeS)		22	1	0.000191 0.00768
Perfluoropentanoic acid (PFPeA)		23	17	0.000505 0.698
Perfluorotetradecanoic acid (PFTeDA)		23	16	0.000484 0.103
Perfluorotridecanoic acid (PFTTrDA)		23	21	0.000821 0.218
Perfluoroundecanoic acid (PFUnA)		23	21	0.00043 0.245

Notes

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

Table O-20
Rodent PFAS Analytical Statistics

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

Analyte	Area:	Sitewide			
		Number of Samples	Number of Detections	Minimum (mg/kg)	Maximum (mg/kg)
11-Chlororeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		12	0	0.00378	0.00458
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)		12	3	0.00134	0.0102
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)		12	0	0.00419	0.00508
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)		12	2	0.00153	0.00312
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)		12	2	0.0217	0.0481
3-Perfluoroheptyl propanoic acid (7:3FTCA)		12	3	0.0117	1.53
3-Perfluoropropyl propanoic acid (3:3FTCA)		12	0	0.00156	0.00188
4,8-dioxo-3H-perfluorononanoic acid (ADONA)		12	0	0.00286	0.00346
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		12	0	0.00397	0.00481
Hexafluoropropylene oxide dimer acid (HFPO-DA)		12	0	0.00368	0.00446
N-ethyl perfluorooctanesulfonamide (NEtFOSA)		12	0	0.00108	0.00131
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		12	0	0.00121	0.00146
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		10	0	0.00635	0.00769
N-methyl perfluorooctanesulfonamide (NMeFOSA)		12	0	0.000317	0.000385
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		12	0	0.00117	0.00142
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		12	0	0.00606	0.00735
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)		12	0	0.000667	0.000808
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)		12	0	0.00111	0.00135
Perfluoro-3-methoxypropanoic acid (PFMPA)		12	0	0.00219	0.00265
Perfluoro-4-methoxybutanoic acid (PFMBA)		12	0	0.00171	0.00208
Perfluorobutanesulfonic acid (PFBS)		12	2	0.00108	0.0266
Perfluorobutanoic acid (PFBA)		12	3	0.00127	0.0157
Perfluorodecanesulfonic acid (PFDS)		12	2	0.00105	0.0611
Perfluorodecanoic acid (PFDA)		12	2	0.00124	0.00273
Perfluorododecanesulfonic acid (PFDoS)		12	3	0.000603	0.0924
Perfluorododecanoic acid (PFDoA)		12	2	0.000762	0.0035
Perfluoroheptanesulfonic acid (PFHpS)		12	4	0.00111	0.084
Perfluoroheptanoic acid (PFHpA)		12	2	0.00111	0.0745
Perfluorohexanesulfonic acid (PFHxS)		12	5	0.000952	11.4
Perfluorohexanoic acid (PFHxA)		12	2	0.00117	0.0288
Perfluorononanesulfonic acid (PFNS)		12	3	0.00109	0.0213
Perfluorononanoic acid (PFNA)		12	3	0.00114	0.0231
Perfluorooctane sulfonamide (PFOSA)		12	3	0.000508	0.108
Perfluorooctanesulfonic acid (PFOS)		12	12	0.00213	2.31
Perfluorooctanoic acid (PFOA)		12	3	0.000794	0.0541
Perfluoropentanesulfonic acid (PFPeS)		12	2	0.000635	0.544
Perfluoropentanoic acid (PFPeA)		12	6	0.000967	0.0513
Perfluorotetradecanoic acid (PFTeDA)		12	2	0.000984	0.0015
Perfluorotridecanoic acid (PFTTrDA)		12	2	0.00124	0.00279
Perfluoroundecanoic acid (PFUnA)		12	2	0.000952	0.00885

Notes

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