

Table 4-14
Lysimeter Sampling PFAS Analytical Results

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

Flow Field:	1											
Area:	01. Fire Training Area											
Location ID:	LYS01007D						LYS01007S					
Sample ID:	LORNG_LYS01007 D_08232022	LORNG_LYS01007 D_10032022	LORNG_LYS01007 D_06142023	LORNG_LYS01007 D_11072023	LORNG_LYS01007 D_06192024	LORNG_LYS01007 D_10252024	LORNG_LYS01007S _08222022	LORNG_LYS01007S _10032022	LORNG_LYS01007S _06142023	LORNG_LYS01007S _11072023	LORNG_LYS01007S _06192024	LORNG_LYS01007S _10242024
Sample Date:	8/23/2022	10/3/2022	6/14/2023	11/7/2023	6/19/2024	10/25/2024	8/22/2022	10/3/2022	6/14/2023	11/7/2023	6/19/2024	10/24/2024
Sample Depth (ft bgs):	12.10-12.40	12.10-12.40	12.10-12.40	12.10-12.40	12.10-12.40	12.10-12.40	2.50-2.80	2.50-2.80	2.50-2.80	2.50-2.80	2.50-2.80	2.50-2.80
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N
Latitude:	46.9601	46.9601	46.9601	46.9601	46.9601	46.9601	46.9600986	46.9600986	46.9600986	46.9600986	46.9600986	46.9600986
Longitude:	-67.882588	-67.882588	-67.882588	-67.882588	-67.882588	-67.882588	-67.882586	-67.882586	-67.882586	-67.882586	-67.882586	-67.882586
Analyte	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	99.2	104	140	230	185	185	358 J	328	280	250	155	159
Perfluoropentanoic acid (PFPeA)	155	181	450	760	591	582	738	800	700	620	361	394
Perfluorohexanoic acid (PFHxA)	283	355	1000	1700	1420	1280	1250	1560	1500	1400	885	934
Perfluoroheptanoic acid (PFHpA)	119	138	390	650	548	524	407	470	500	470	280	404
Perfluorooctanoic acid (PFOA)	316	320	970	1900	1470	1610	1000	1300	1100	1100	852	887
Perfluorononanoic acid (PFNA)	37.7	40.5	52	120	150	218	44.7	82.9	71	130	136	104
Perfluorodecanoic acid (PFDA)	2.6 J	3.6	10 U	3.5 J	7 J	9.1 J	2.2 J	3.9	6.4 J	10 J	18 J	10.6 J
Perfluoroundecanoic acid (PFUnA)	1.7 J	1.4 J	5 U	5 U	17 U	17 U	1.9 U	1.8 U	5 U	5 U	17 U	17 U
Perfluorododecanoic acid (PFDoA)	1.9 U	1.8 U	10 U	10 U	17 U	17 U	37 UJ	1.8 U	10 U	10 U	17 U	17 U
Perfluorotridecanoic acid (PFTrDA)	1.9 U	1.8 U	10 U	10 U	17 U	17 U	37 UJ	1.8 U	10 U	10 U	17 U	17 U
Perfluorotetradecanoic acid (PFTeDA)	1.9 UJ	1.8 U	5 U	5 U	17 U	17 U	37 UJ	36 UJ	5 U	5 U	17 U	17 U
Perfluorobutanesulfonic acid (PFBS)	45.9	120	130	210	159	157	184	258	250	220	145	143
Perfluoropentanesulfonic acid (PFPeS)	57.9	68.2	330	540	339	317	250	296	500	490	258	277
Perfluorohexanesulfonic acid (PFHxS)	1750	1940	6300	12000	11400	12800	5060	4610 J	7500	9600	6970	10800
Perfluoroheptanesulfonic acid (PFHpS)	47.3	35.3	68	180	233	281	81.4	123 J	110	180	198	205
Perfluorooctanesulfonic acid (PFOS)	1660	2610	2400	7100	7920	10200	2680	4560	5200	17000	19700	10900
Perfluorononanesulfonic acid (PFNS)	1.9 U	2.8 J	9.4 U	9.4 U	10 J	17 U	19 U	1.8 U	9.4 U	9.4 U	67.8 J	24.7 J
Perfluorodecanesulfonic acid (PFDS)	1.9 U	1.8 U	4.7 U	4.7 U	17 U	17 U	1.9 U	1.8 U	4.7 U	4.7 U	17 U	17 U
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	10 U	10 U	33 U	33 U	NA	NA	10 U	10 U	33 U	33 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	3.8 U	3.6 U	19 U	19 U	67 U	67 U	37 U	71 U	19 UJ	19 U	67 U	67 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	31.3	27.2	9.8 J	10 J	67 U	67 U	40.6	40.8	24 J	25 J	67 U	67 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	2.6 J	3.6 U	38 U	38 U	67 U	67 U	2.4 J	1.9 J	38 U	38 U	67 U	67 U
Perfluorooctane sulfonamide (PFOSA)	0 R	9.6 J	14 J	29	19.5 J	33.8	19 U	5.3 J	46 J	71	122 J	30.2 J-
N-methyl perfluorooctanesulfonamide (NMeFOSA)	0 R	36 UJ	10 U	10 U	33 U	33 U	0 R	71 UJ	10 U	10 U	33 U	33 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	10 U	10 U	33 U	33 U	NA	NA	10 U	10 U	33 U	33 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	3.8 U	3.6 U	10 U	10 U	33 U	33 U	3.7 U	3.6 U	10 U	10 U	33 U	33 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	38 U	3.6 U	10 U	10 U	33 U	33 U	37 U	3.6 U	10 U	10 U	33 U	33 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	25 U	25 U	170 U	170 U	NA	NA	25 U	25 U	170 U	170 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	50 U	50 U	170 U	170 U	NA	NA	50 U	50 U	170 U	170 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NA	NA	40 U	40 U	17 U	17 U	NA	NA	40 U	40 U	17 U	17 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	38 U	38 U	33 U	33 U	NA	NA	38 U	38 U	33 U	33 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	20 U	20 U	17 U	17 U	NA	NA	20 U	20 U	17 U	17 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	5 U	5 U	33 U	33 U	NA	NA	5 U	5 U	33 U	33 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	600 U	600 U	33 U	33 U	NA	NA	600 U	600 U	33 U	33 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	66 U	66 U	33 U	33 U	NA	NA	66 U	66 U	33 U	33 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NA	NA	66 U	66 U	33 U	33 U	NA	NA	66 U	66 U	33 U	33 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	NA	31 U	31 U	17 U	17 U	NA	NA	31 U	31 U	17 U	17 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	88 UJ	88 U	83 U	83 U	NA	NA	88 UJ	88 U	83 U	83 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	310 U	310 U	170 U	170 U	NA	NA	310 U	310 U	170 U	170 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	310 U	310 U	170 U	170 U	NA	NA	310 U	310 U	170 U	170 U

Notes

- There are no applicable federal or state screening levels for lysimeter porewater.

^a Sample represents a duplicate shallow and deep lysimeter location, not a field duplicate sample.

- See Table 1-1 for additional notes.

Table 4-14
Lysimeter Sampling PFAS Analytical Results

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

Flow Field:	4											
Area:	05. Structural Fire Station											
Location ID:	LYS05012D						LYS05012S					
Sample ID:	LORNG_LYS05012 D_08232022	LORNG_LYS05012 D_10032022	LORNG_LYS05012 D_06142023	LORNG_LYS05012 D_11072023	LORNG_LYS05012 D_06192024	LORNG_LYS05012 D_10242024	LORNG_LYS05012S _08232022	LORNG_LYS05012S _10032022	LORNG_LYS05012S _06142023	LORNG_LYS05012S _11072023	LORNG_LYS05012S _06192024	LORNG_LYS05012S _10242024
Sample Date:	8/23/2022	10/3/2022	6/14/2023	11/7/2023	6/19/2024	10/24/2024	8/23/2022	10/3/2022	6/14/2023	11/7/2023	6/19/2024	10/24/2024
Sample Depth (ft bgs):	9.60-9.90	9.60-9.90	9.60-9.90	9.60-9.90	9.60-9.90	9.60-9.90	2.70-3.00	2.70-3.00	2.70-3.00	2.70-3.00	2.70-3.00	2.70-3.00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N
Latitude:	46.9340316	46.9340316	46.9340316	46.9340316	46.9340316	46.9340316	46.934033	46.934033	46.934033	46.934033	46.934033	46.934033
Longitude:	-67.9069267	-67.9069267	-67.9069267	-67.9069267	-67.9069267	-67.9069267	-67.9069283	-67.9069283	-67.9069283	-67.9069283	-67.9069283	-67.9069283
Analyte	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	276	474	610 J	730	603	558	216 J	390	220 J	110	84.4 J	139
Perfluoropentanoic acid (PFPeA)	571	1280	1700	2300	1910	1770	985	2650	1100	390	277	424
Perfluorohexanoic acid (PFHxA)	972	2120	2600	3400	3160	2670	908	1530	770	380	324	495
Perfluoroheptanoic acid (PFHpA)	355	653	950	1200	1060	832	588	1990	1200	660	562	1060
Perfluorooctanoic acid (PFOA)	520	749	1500	1900	1560	738	862	1170	1100	480	419	630
Perfluorononanoic acid (PFNA)	24	30.2	48 J	58	51.5	19.7 J	33	7.9 J	30 J	28	16.2 J	18.9 J
Perfluorodecanoic acid (PFDA)	2.6 J	1.4 J	100 U	10 U	17 U	17 U	9.4 U	1.3 J	100 U	10 U	17 U	4.8 J
Perfluoroundecanoic acid (PFUnA)	1.9 U	1.8 U	50 U	5 U	17 U	17 U	9.4 U	1.8 U	50 U	5 U	17 U	17 U
Perfluorododecanoic acid (PFDoA)	1.9 U	1.8 U	100 U	10 U	17 U	17 U	9.4 U	1.8 U	100 U	10 U	17 U	17 U
Perfluorotridecanoic acid (PFTriDA)	1.9 U	1.8 U	100 U	10 U	17 U	17 U	9.4 U	1.8 U	100 U	10 U	17 U	17 U
Perfluorotetradecanoic acid (PFTeDA)	1.9 U	1.8 U	50 U	5 U	17 U	17 U	9.4 U	1.8 U	50 U	5 U	17 U	17 U
Perfluorobutanesulfonic acid (PFBS)	371	783	950	1000	1030	885	274	791	110 J	57	42.1	79.1
Perfluoropentanesulfonic acid (PFPeS)	443	901	1200	1300	1470	1050	389	320	170	75	61.2	101
Perfluorohexanesulfonic acid (PFHxS)	3170	5810	10000	11000	10900	7340	2870	2290	1800	730	510	1100
Perfluoroheptanesulfonic acid (PFHpS)	141	209	160	190	331	133	319	43.8 J	76 J	37	18.5 J	37.1
Perfluorooctanesulfonic acid (PFOS)	2800	1590	1100	1400	878	332	15200	5210	12000	8600	4040	7830
Perfluorononanesulfonic acid (PFNS)	2.6 J	6.5	94 U	9.4 U	17 U	17 U	38 U	9.2 J	94 U	9.4 U	54.9 J	60.8
Perfluorodecanesulfonic acid (PFDS)	1.9 U	1.8 U	47 U	4.7 U	17 U	17 U	9.4 U	1.8 U	47 U	4.7 U	17 U	17 U
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	100 U	10 U	33 U	33 U	NA	NA	100 U	10 U	33 U	33 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	15.7	29.1	190 U	42 J	35.4 J	29.7 J	20.9 J	3.6 U	190 U	19 U	67 U	67 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	488	913	1900	2600	2510	932	723	47.1	190 U	11 J	67 U	67 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	168	92.8	380 U	27 J	67 U	67 U	519	104	160 J	64	202	134 J
Perfluorooctane sulfonamide (PFOSA)	81.9	35.3 J	25 U	14 J	8.2 J	17 U	63.7 J	28.1 J	140 J	400	236	272
N-methyl perfluorooctanesulfonamide (NMeFOSA)	0 R	71 U	100 U	10 U	33 U	33 U	0 R	71 U	100 U	10 U	33 U	33 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	100 U	10 U	33 U	33 U	NA	NA	100 U	10 U	33 U	33 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	3.7 U	3.6 U	100 U	10 U	33 U	33 U	19 U	3.6 U	100 U	10 U	33 U	33 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	37 U	3.6 U	100 U	10 U	33 U	33 U	75 U	3.6 U	100 U	10 U	33 U	33 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	250 U	25 U	170 U	170 U	NA	NA	250 U	25 U	170 U	170 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	500 U	50 U	170 U	170 U	NA	NA	500 U	50 U	170 U	170 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NA	NA	400 U	40 U	17 U	17 U	NA	NA	400 U	40 U	17 U	17 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	380 U	38 U	33 U	33 U	NA	NA	380 U	38 U	33 U	33 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	200 U	20 U	17 U	17 U	NA	NA	200 U	20 U	17 U	17 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	50 U	5 U	33 U	33 U	NA	NA	50 U	5 U	33 U	33 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	6000 U	600 U	33 U	33 U	NA	NA	6000 U	600 U	33 U	33 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	NA	NA	660 U	66 U	33 U	33 U	NA	NA	660 U	66 U	33 U	33 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUs)	NA	NA	660 U	66 U	33 U	33 U	NA	NA	660 U	66 U	33 U	33 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	NA	310 U	31 U	17 U	17 U	NA	NA	310 U	31 U	17 U	17 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	880 U	88 U	83 U	83 U	NA	NA	880 U	88 U	83 U	83 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	3100 U	310 U	170 U	170 U	NA	NA	3100 U	310 U	170 U	170 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	3100 U	310 U	170 U	170 U	NA	NA	3100 U	310 U	170 U	170 U

Notes

- There are no applicable federal or state screening levels for lysimeter porewater.
- ^a Sample represents a duplicate shallow and deep lysimeter location, not a field duplicate sample.
- See Table 1-1 for additional notes.

Table 4-14
Lysimeter Sampling PFAS Analytical Results

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

Flow Field:	4												
Area:	07. Crash Fire Station												
Location ID:	LYS07007	LYS07007D						LYS07007DDUP ^a					
Sample ID:	LORNG_LYS07007_08072022GS	LORNG_LYS07007D_08222022	LORNG_LYS07007D_10032022	LORNG_LYS07007D_06142023	LORNG_LYS07007D_11062023	LORNG_LYS07007D_06192024	LORNG_LYS07007D_10252024	LORNG_LYS07007D_DUP_08222022	LORNG_LYS07007D_DUP_10032022	LORNG_LYS07007D_DUP_06142023	LORNG_LYS07007D_DUP_11062023	LORNG_LYS07007D_DUP_06192024	LORNG_LYS07007D_DUP_10252024
Sample Date:	8/7/2022	8/22/2022	10/3/2022	6/14/2023	11/6/2023	6/19/2024	10/25/2024	8/22/2022	10/3/2022	6/14/2023	11/6/2023	6/19/2024	10/25/2024
Sample Depth (ft bgs):	0.00-0.00	9.70-10.00	9.70-10.00	9.70-10.00	9.70-10.00	9.70-10.00	9.70-10.00	9.50-9.80	9.50-9.80	9.50-9.80	9.50-9.80	9.50-9.80	9.50-9.80
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Latitude:	46.9436288	46.9436262	46.9436262	46.9436262	46.9436262	46.9436262	46.9436262	46.9436276	46.9436276	46.9436276	46.9436276	46.9436276	46.9436276
Longitude:	-67.8902486	-67.8902518	-67.8902518	-67.8902518	-67.8902518	-67.8902518	-67.8902518	-67.8902497	-67.8902497	-67.8902497	-67.8902497	-67.8902497	-67.8902497
Analyte	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	1040	121 J	335	830 J	1500	1370	1100	602	1190	1400 J	1500	1290	1070
Perfluoropentanoic acid (PFPeA)	5940	524 J	1420	4000 J	7000	6940	5630	2110	5440	6800 J	6500	6150	4970
Perfluorohexanoic acid (PFHxA)	6100	543 J	1580	4500 J	6900	6360	6000	1900	6130	7300 J	6000	5030	3840
Perfluoroheptanoic acid (PFHpA)	2090	262 J	740	2000 J	3600	3960	3000	979	3330	3700 J	3100	2820	2050
Perfluorooctanoic acid (PFOA)	6610	527 J	1500	5500 J	11000	11700	9020	2000	6270	9900 J	7900	7070	5770
Perfluorononanoic acid (PFNA)	306	29.3 J	71.4 J	150 J	480	419	255	238	355	520 J	540	603	456
Perfluorodecanoic acid (PFDA)	23 U	19 UJ	40 U	100 U	100 U	5.7 J	50 U	17 J	36 U	100 U	100 U	9.3 J	33 U
Perfluoroundecanoic acid (PFUnA)	23 U	19 UJ	40 U	50 U	50 U	17 U	50 U	9.4 U	36 U	50 U	50 U	17 U	33 U
Perfluorododecanoic acid (PFDoA)	23 U	19 UJ	40 U	100 U	100 U	17 U	50 U	9.4 U	36 U	100 U	100 U	17 U	33 U
Perfluorotridecanoic acid (PFTTrDA)	23 U	19 UJ	40 U	100 U	100 U	17 U	50 U	9.4 U	36 U	100 U	100 U	17 U	33 U
Perfluorotetradecanoic acid (PFTeDA)	23 U	19 UJ	40 U	50 U	50 U	17 U	50 U	9.4 U	36 U	50 U	50 U	17 U	33 U
Perfluorobutanesulfonic acid (PFBS)	3970	457 J	1240	3200 J	4300	4130	3250	1190	4710	5700 J	3300	2280	1600
Perfluoropentanesulfonic acid (PFPeS)	8830	709 J	1960	6700	9900	8370	6690	1770	5960	8200	7500	4410	3590
Perfluorohexanesulfonic acid (PFHxS)	52800	6280 J	8680	67000	110000	55400	117000	14500	42200	86000	69000	64300	48400
Perfluoroheptanesulfonic acid (PFHpS)	1210	127 J	272	340 J	1200	2220	1550	1350	4530	3100 J	2300	4530	3250
Perfluorooctanesulfonic acid (PFOS)	40300	2680 J	5050	9400 J	36000	49200	17200	11300	25700	36000 J	44000	57500	40000
Perfluorononanesulfonic acid (PFNS)	23 U	19 UJ	40 U	94 U	94 U	17 U	50 U	8.6 J	26 J	94 U	94 U	17 U	33 U
Perfluorodecanesulfonic acid (PFDS)	23 U	19 UJ	40 U	47 U	47 U	17 U	50 U	9.4 U	36 U	47 U	47 U	17 U	33 U
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	NA	100 U	100 U	33 U	100 U	NA	NA	100 U	100 U	33 U	67 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	242	20.7 J	62.4 J	170 J	320 J	295	209 J	79.2	251	320 J	320 J	205 J	180 J
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	22500	1250 J	2050 J	19000 J	41000	32100	30500	2220 J	14200 J	31000 J	28000	21000	22200
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	139	38 UJ	80 U	380 U	380 U	67 U	200 U	103	64.6 J	380 U	380 U	96.7 J	130 U
Perfluorooctane sulfonamide (PFOSA)	23 U	19 UJ	40 U	25 U	25 U	17 U	50 U	9.4 UJ	36 U	25 U	25 U	17 U	33 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	47 U	0 R	80 UJ	100 U	100 U	33 U	100 U	0 R	71 U	100 U	100 U	33 U	67 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	NA	100 U	100 U	33 U	100 U	NA	NA	100 U	100 U	33 U	67 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	47 U	38 UJ	80 U	100 U	100 U	33 U	100 U	19 UJ	71 U	100 U	100 U	33 U	67 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	47 U	38 UJ	80 U	100 U	100 U	33 U	100 U	19 U	71 U	100 U	100 U	33 U	67 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	NA	250 U	250 U	170 U	500 U	NA	NA	250 U	250 U	170 U	330 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	NA	500 U	500 U	170 U	500 U	NA	NA	500 U	500 U	170 U	330 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NA	NA	NA	400 U	400 U	17 U	50 U	NA	NA	400 U	400 U	17 U	33 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	NA	380 U	380 U	33 U	100 U	NA	NA	380 U	380 U	33 U	67 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	NA	200 U	200 U	17 U	50 U	NA	NA	200 U	200 U	17 U	33 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	NA	50 U	50 U	33 U	100 U	NA	NA	50 U	50 U	33 U	67 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	NA	6000 U	6000 U	33 U	100 U	NA	NA	6000 U	6000 U	33 U	67 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	NA	NA	NA	660 U	660 U	33 U	100 U	NA	NA	660 U	660 U	33 U	67 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	NA	NA	NA	660 U	660 U	33 U	100 U	NA	NA	660 U	660 U	33 U	67 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	NA	NA	NA	310 U	310 U	17 U	50 U	NA	NA	310 U	310 U	17 U	33 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	NA	880 UJ	880 U	83 U	250 U	NA	NA	880 UJ	880 U	83 U	170 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	NA	3100 U	3100 U	170 U	500 U	NA	NA	3100 U	3100 U	170 U	330 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	NA	3100 U	3100 U	170 U	500 U	NA	NA	3100 U	3100 U	170 U	330 U

Notes

- There are no applicable federal or state screening levels for lysimeter porewater.
- ^a Sample represents a duplicate shallow and deep lysimeter location, not a field duplicate sample.
- See Table 1-1 for additional notes.

Table 4-14
Lysimeter Sampling PFAS Analytical Results

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

Flow Field:	4											
Area:	07. Crash Fire Station											
Location ID:	LYS07007S						LYS07007SDUP ^a					
Sample ID:	LORNG_LYS07007S_08222022	LORNG_LYS07007S_10032022	LORNG_LYS07007S_06142023	LORNG_LYS07007S_11072023	LORNG_LYS07007S_06192024	LORNG_LYS07007S_10252024	LORNG_LYS07007S_DUP_08222022	LORNG_LYS07007S_DUP_10032022	LORNG_LYS07007S_DUP_06142023	LORNG_LYS07007S_DUP_11072023	LORNG_LYS07007S_DUP_06192024	LORNG_LYS07007S_DUP_10252024
Sample Date:	8/23/2022	10/3/2022	6/14/2023	11/7/2023	6/19/2024	10/25/2024	8/23/2022	10/3/2022	6/14/2023	11/7/2023	6/19/2024	10/25/2024
Sample Depth (ft bgs):	2.70-3.00	2.70-3.00	2.70-3.00	2.70-3.00	2.70-3.00	2.70-3.00	2.75-3.05	2.75-3.05	2.75-3.05	2.75-3.05	9.50-9.80	2.75-3.05
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N
Latitude:	46.9436249	46.9436249	46.9436249	46.9436249	46.9436249	46.9436249	46.9436235	46.9436235	46.9436235	46.9436235	46.9436235	46.9436235
Longitude:	-67.8902538	-67.8902538	-67.8902538	-67.8902538	-67.8902538	-67.8902538	-67.8902558	-67.8902558	-67.8902558	-67.8902558	-67.8902558	-67.8902558
Analyte	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Perfluorobutanoic acid (PFBA)	282 J	1160	1900 J	2000	1820	1300	371	873	1100 J	1300	1020	912
Perfluoropentanoic acid (PFPeA)	852	4000	6800 J	7500	7090	5530	1170	3230	4100 J	5000	4160	3810
Perfluorohexanoic acid (PFHxA)	779	2820	4500 J	4700	4930	3890 J-	683	2560	3000 J	3500	2900	2880
Perfluoroheptanoic acid (PFHpA)	358 J	1360	2400 J	2300	2300	1930 J-	374	1020	1300 J	1700	1580	1850
Perfluorooctanoic acid (PFOA)	536	761	2500 J	1700	3100	1760	371	724	1400 J	1500	1770	1380
Perfluorononanoic acid (PFNA)	27.4	20.3	530	500	930	657 J-	102	50.3	490	710	569	377
Perfluorodecanoic acid (PFDA)	1.4 J	1.8 U	100 U	32 J	16.3 J	57.2 J	9.3 U	1.1 J	100 U	30 J	13.7 J	14.1 J
Perfluoroundecanoic acid (PFUnA)	2 UJ	1.8 U	50 U	50 U	50 U	100 U	9.3 U	1.8 U	50 U	50 U	50 U	33 U
Perfluorododecanoic acid (PFDoA)	2 UJ	1.8 U	100 U	100 U	50 U	100 U	9.3 UJ	1.8 U	100 U	100 U	50 U	33 U
Perfluorotridecanoic acid (PFTriDA)	2 UJ	1.8 U	100 U	100 U	50 U	100 U	9.3 UJ	1.8 U	100 U	100 U	50 U	33 U
Perfluorotetradecanoic acid (PFTeDA)	0 R	36 U	50 U	50 U	50 U	100 U	9.3 UJ	1.8 U	50 U	50 U	50 U	33 U
Perfluorobutanesulfonic acid (PFBS)	541	1010	1800 J	1800	1720	1320	240	575	800 J	1100	903	877
Perfluoropentanesulfonic acid (PFPeS)	784	1480	3000 J	2700	2840	2210	354	905	1300 J	1700	1650	1720
Perfluorohexanesulfonic acid (PFHxS)	5800	6000	19000 J	16000	19100	17400	2190	6670	9600 J	11000	12900	11900
Perfluoroheptanesulfonic acid (PFHpS)	126	145	1100	650	1380	761 J-	321	278	1200	1300	1210	1110 J
Perfluorooctanesulfonic acid (PFOS)	2170	2120	76000	100000	120000	115000 J-	10100	5360	96000	130000	82700	72800
Perfluorononanesulfonic acid (PFNS)	10 U	1.8 U	94 U	94 U	50 U	100 UJ	37 U	2.5 J	94 U	94 U	50 U	33 U
Perfluorodecanesulfonic acid (PFDS)	10 U	1.8 U	47 U	47 U	50 U	100 UJ	9.3 U	1.8 U	47 U	47 U	50 U	33 U
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	100 U	100 U	100 U	200 U	NA	NA	100 U	100 U	100 U	67 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS)	30.5 J	42.6	190 UJ	64 J	85.3 J	400 U	25.5 J	76.2	97 J	100 J	85 J	82.9 J
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS)	748	1040	4800	3100	5520	3580 J-	605	1760 J	4400	6000	6460	4870 J
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS)	2.1 J	3.6 U	380 U	210 J	200 U	400 U	20.7 J	8.2	180 J	290 J	200 U	130 U
Perfluorooctane sulfonamide (PFOSA)	0 R	1.8 U	25 U	25 U	50 U	100 U	37 U	1.8 U	25 U	25 U	50 U	330 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	0 R	71 U	100 U	100 U	100 U	200 U	0 R	71 U	100 U	100 U	100 U	67 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	100 U	100 U	100 U	200 U	NA	NA	100 U	100 U	100 U	67 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	20 UJ	3.6 U	100 U	100 U	100 U	200 U	19 U	3.6 U	100 U	100 U	100 U	67 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	20 UJ	3.6 U	100 U	100 U	100 U	200 U	370 UJ	3.6 U	100 U	100 U	100 U	67 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	250 U	250 U	500 U	1000 UJ	NA	NA	250 U	250 U	500 U	3300 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	500 U	500 U	500 U	1000 U	NA	NA	500 U	500 U	500 U	3300 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NA	NA	400 U	400 U	50 U	100 U	NA	NA	400 U	400 U	50 U	33 U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	380 U	380 U	100 U	200 U	NA	NA	380 U	380 U	100 U	67 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	200 U	200 U	50 U	100 U	NA	NA	200 U	200 U	50 U	33 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	50 U	50 U	100 U	200 U	NA	NA	50 U	50 U	100 U	67 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	6000 U	6000 U	100 U	200 U	NA	NA	6000 U	6000 U	100 U	67 U
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	660 U	660 U	100 U	200 U	NA	NA	660 U	660 U	100 U	67 U
11-Chlororeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUs)	NA	NA	660 U	660 U	100 U	200 U	NA	NA	660 U	660 U	100 U	67 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	NA	310 U	310 U	50 U	100 U	NA	NA	310 U	310 U	50 U	33 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	880 UJ	880 U	250 U	500 U	NA	NA	880 UJ	880 U	250 U	170 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	3100 U	3100 U	500 U	1000 U	NA	NA	3100 U	3100 U	500 U	330 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	3100 U	3100 U	500 U	1000 U	NA	NA	3100 U	3100 U	500 U	330 U

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