Table X-X
AFFF Assessment Sampling GW 2022 December
Chemistry Results
RH Fire Suppression System

Location ID:			RHMW02	RHMW03	RHMW04	RHMW06
Field Sample ID:			AF-RHMW02-WGN01LF-2212W1	AF-RHMW03-WGN01LF-2212W1	AF-RHMW04-WGN01LF-2212W1	AF-RHMW06-WGN01B-2212W1
Lab Sample ID:			22L0033-02	22L0033-01	22L0071-03	22L0071-01
Sample Date:			12/5/2022	12/5/2022	12/7/2022	12/8/2022
Sample Type:			N	N	N	N
PFAS (NG/L)	**2022 Nov EPA Tapwater (THQ 0.1)**	**Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS**				
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NA	NA	0.350 U	0.400 U	0.400 U	0.400 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	0.700 U	0.810 U	0.800 U	0.800 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	0.700 U	0.810 U	0.800 U	0.800 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	0.700 U	0.810 U	0.800 U	0.800 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	0.350 U	0.400 U	0.400 U	0.400 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	0.700 U	0.810 U	0.800 U	0.800 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	NA	**2.10 J**	**8.00**	**6.90 J**	**1.60 J**
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	0.700 U	0.810 U	0.800 U	0.800 U
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	0.350 UJ	0.400 UJ	0.400 U	0.400 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	160.44	0.350 U	0.400 U	0.400 U	0.400 U
N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	0.700 U	0.810 U	0.800 U	0.800 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NA	NA	0.180 UJ	0.200 UJ	0.200 U	0.200 U
N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	1.10 U	1.20 U	1.20 U	1.20 U
N-Methyl heptadecafluorooctanesulfonamide (NMeFOSA)	NA	NA	0.700 U	0.810 U	0.800 U	0.800 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NA	NA	0.180 U	0.200 U	0.200 U	0.200 U
N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	1.10 U	1.20 U	1.20 U	1.20 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	0.350 UJ	0.400 UJ	0.400 UJ	0.400 UJ
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	NA	0.350 U	0.400 U	0.400 U	0.400 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	0.350 UJ	0.400 UJ	0.400 U	0.400 U

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Lab Sample ID:			22L0033-02	22L0033-01	22L0071-03	22L0071-01
Sample Date:			12/5/2022	12/5/2022	12/7/2022	12/8/2022
Sample Type:			N	N	N	N
PFAS (NG/L)	**2022 Nov EPA Tapwater (THQ 0.1)**	**Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS**				
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	0.350 U	0.400 U	0.400 U	0.400 U
Perfluorobutanesulfonic acid	600	601.65	0.180 U	0.200 U	0.200 U	0.200 U
Perfluorobutanoic acid (PFBA)	NA	7,620.88	0.700 U	**2.10 J**	**0.620 J**	**1.00 J**
Perfluorodecanesulfonic acid (PFDS)	NA	20.05	0.180 U	0.200 U	0.200 U	0.200 U
Perfluorodecanoic acid (PFDA)	NA	4.01	0.180 U	0.200 U	0.200 U	**0.110 J**
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	0.180 U	0.200 U	0.200 U	0.200 U
Perfluorododecanoic acid (PFDoA)	NA	13.37	0.180 U	0.200 U	0.200 U	**0.160 J**
Perfluoroheptanesulfonic acid (PFHpS)	NA	20.05	0.180 U	0.200 U	0.200 U	0.200 U
Perfluoroheptanoic acid (PFHpA)	NA	40.11	0.180 U	**0.790**	**0.250 J**	**1.00**
Perfluorohexanesulfonic acid	39	19.45	0.180 U	0.200 U	0.200 U	0.200 U
Perfluorohexanoic acid (PFHxA)	NA	4,010.99	**0.160 J**	**1.20**	**0.330 J**	**0.670**
Perfluorononanesulfonic acid (PFNS)	NA	NA	0.180 U	0.200 U	0.200 U	0.200 U
Perfluorononanoic acid (PFNA)	5.9	4.41	0.180 U	**0.170 J**	0.200 U	0.200 U
Perfluorooctanesulfonamide (PFOSA)	NA	24.07	0.180 U	0.200 U	0.200 U	0.200 U
Perfluorooctanesulfonic acid (PFOS)	4	40.11	**0.130 J**	**0.0690 J**	0.200 U	**0.530**
Perfluorooctanoic acid (PFOA)	6	40.11	0.180 U	**0.250 J**	**0.160 J**	**0.180 J**
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	0.180 U	0.200 U	0.200 U	0.200 U
Perfluoropentanoic acid (PFPeA)	NA	802.2	**0.920**	**3.10**	**0.720 J**	**1.90**
Perfluorotetradecanoic acid (PFTeDA)	NA	133.7	0.180 U	0.200 U	0.200 U	0.200 U
Perfluorotridecanoic acid (PFTrDA)	NA	13.37	0.260 U	0.300 U	0.300 U	0.300 U
Perfluoroundecanoic acid (PFUnA)	NA	10.03	0.180 U	0.200 U	0.200 U	**0.230 J**

Notes:

Results highlighted blue exceed the first selected limit.
Results highlighted pink exceed the second selected limit.
Results highlighted purple exceed both limits.

NG/L = Nanograms per Liter