

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	HDMW2253-03	HDMW2253-03	HDMW2253-03	HDMW2253-03	RHMW02	RHMW02	RHMW02	RHMW02	RHMW02	RHMW02		
Field Sample ID:	AF-HDMW225303-WGN01B-2212W2	AF-HDMW225303-WGN01B-2212W2	AF-HDMW225303-WGN01LF-2212W3	AF-HDMW225303-WGN01LF-2212W3	AF-RHMW02-WGN01LF-2212W1	AF-RHMW02-WGN01LF-2212W1	AF-RHMW02-WGN01LF-2212W2	AF-RHMW02-WGN01LF-2212W2	AF-RHMW02-WGN01LF-2212W3	AF-RHMW02-WGN01LF-2212W3		
Lab Sample ID:	22L0083-01	580-121299-4	22L0148-01	580-121534-1	22L0033-02	580-120925-3	22L0083-03	580-121299-2	22L0141-01	580-121651-1		
Sample Date:	12/12/2022	12/12/2022	12/20/2022	12/20/2022	12/5/2022	12/5/2022	12/12/2022	12/12/2022	12/19/2022	12/19/2022		
Sample Type:	N	N	N	N	N	N	N	N	N	N		
		Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS										
PFAS (NG/L)	2022 Nov EPA Tapwater (THQ 0.1)											
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NA	NA	4.10 U	NA	0.400 U	NA	0.350 U	NA	0.340 U	NA	0.340 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	8.20 U	NA	0.800 U	NA	0.700 U	NA	0.680 U	NA	0.690 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	8.20 U	NA	0.800 U	NA	0.700 U	NA	0.680 U	NA	0.690 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	8.20 U	NA	0.800 U	NA	0.700 U	NA	0.680 U	NA	0.690 U	NA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	4.10 U	NA	0.400 U	NA	0.350 U	NA	0.340 U	NA	0.340 U	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	8.20 U	NA	0.800 U	NA	0.700 U	NA	0.680 U	NA	0.690 U	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	782	7.10 J	NA	0.800 U	NA	2.10 J	NA	2.10	NA	10.0	NA
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	8.20 U	NA	0.800 U	NA	0.700 U	NA	0.680 U	NA	0.690 U	NA
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	4.10 U	NA	0.400 U	NA	0.350 UJ	NA	0.340 U	NA	0.340 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	4.10 U	NA	0.400 U	NA	0.350 U	NA	0.340 U	NA	0.340 U	NA
N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	8.20 U	NA	0.800 U	NA	0.700 U	NA	0.680 U	NA	0.690 U	NA
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NA	NA	2.00 U	NA	0.200 U	NA	0.180 UJ	NA	0.170 U	NA	0.170 U	NA
N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	12.0 U	NA	1.20 U	NA	1.10 U	NA	1.00 U	NA	1.00 U	NA
N-Methyl heptafluorooctanesulfonamide (NMeFOSA)	NA	NA	8.20 U	NA	0.800 U	NA	0.700 U	NA	0.680 U	NA	0.690 U	NA
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NA	NA	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	12.0 U	NA	1.20 U	NA	1.10 U	NA	1.00 U	NA	1.00 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	4.10 UJ	NA	0.400 U	NA	0.350 UJ	NA	0.340 UJ	NA	0.340 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	NA	4.10 U	NA	0.400 U	NA	0.350 U	NA	0.340 U	NA	0.340 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	4.10 U	NA	0.400 U	NA	0.350 UJ	NA	0.340 U	NA	0.340 U	NA

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW02	RHMW03	RHMW03	RHMW03	RHMW03	RHMW03	RHMW03	RHMW03	RHMW03	RHMW04	RHMW04
Field Sample ID:	AF-RHMW02- WGN01LF-2301W1	AF-RHMW03- WGN01LF-2212W1	AF-RHMW03- WGN01LF-2212W1	AF-RHMW03- WGN01LF-2212W2	AF-RHMW03- WGN01LF-2212W2	AF-RHMW03- WGN01LF-2212W3	AF-RHMW03- WGN01LF-2212W3	AF-RHMW03- WGN01LF-2301W1	AF-RHMW03- WGN01LF-2301W1	AF-RHMW04- WGN01LF-2212W1	AF-RHMW04- WGN01LF-2212W1
Lab Sample ID:	23A0033-02	22L0033-01	580-120925-2	22L0083-02	580-121299-3	22L0141-02	580-121651-2	23A0033-01	22L0071-03	580-121306-1	
Sample Date:	1/5/2023	12/5/2022	12/5/2022	12/12/2022	12/12/2022	12/19/2022	12/19/2022	1/5/2023	12/7/2022	12/7/2022	
Sample Type:	N	N	N	N	N	N	N	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										
		NA	NA	0.360 U	0.400 U	NA	0.350 U	NA	0.350 U	NA	0.360 U	0.400 U
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NA	NA	0.360 U	0.400 U	NA	0.350 U	NA	0.350 U	NA	0.360 U	0.400 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	0.720 U	0.810 U	NA	0.700 U	NA	0.700 U	NA	0.720 U	0.800 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	0.720 U	0.810 U	NA	0.700 U	NA	0.700 U	NA	0.720 U	0.800 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	0.720 U	0.810 U	NA	0.700 U	NA	0.700 U	NA	0.720 U	0.800 U	NA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	0.360 U	0.400 U	NA	0.350 U	NA	0.350 U	NA	0.360 U	0.400 U	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	0.720 U	0.810 U	NA	0.700 U	NA	0.700 U	NA	0.720 U	0.800 U	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	782	8.00	8.00	NA	5.20	NA	3.60	NA	3.70	6.90 J	NA
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	0.720 U	0.810 U	NA	0.700 U	NA	0.700 U	NA	0.720 U	0.800 U	NA
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	0.360 U	0.400 UJ	NA	0.350 U	NA	0.350 U	NA	0.360 U	0.400 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	0.360 U	0.400 U	NA	0.350 U	NA	0.350 U	NA	0.360 U	0.400 U	NA
N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	0.720 U	0.810 U	NA	0.700 U	NA	0.700 U	NA	0.720 U	0.800 U	NA
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NA	NA	0.180 U	0.200 UJ	NA	0.170 U	NA	0.180 U	NA	0.180 U	0.200 U	NA
N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	1.10 U	1.20 U	NA	1.00 U	NA	1.10 U	NA	1.10 U	1.20 U	NA
N-Methyl heptafluorooctanesulfonamide (NMeFOSA)	NA	NA	0.720 U	0.810 U	NA	0.700 U	NA	0.700 U	NA	0.720 U	0.800 U	NA
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NA	NA	0.180 U	0.200 U	NA	0.170 U	NA	0.180 U	NA	0.180 U	0.200 U	NA
N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	1.10 U	1.20 U	NA	1.00 U	NA	1.10 U	NA	1.10 U	1.20 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	0.360 U	0.400 UJ	NA	0.350 UJ	NA	0.350 U	NA	0.360 U	0.400 UJ	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	NA	0.360 U	0.400 U	NA	0.350 U	NA	0.350 U	NA	0.360 U	0.400 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	0.360 U	0.400 UJ	NA	0.350 U	NA	0.350 U	NA	0.360 U	0.400 U	NA

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW04	RHMW04	RHMW04	RHMW04	RHMW06	RHMW06	RHMW06	RHMW06	RHMW06	RHMW06		
Field Sample ID:	AF-RHMW04-WGN01B-2212W2	AF-RHMW04-WGN01B-2212W2	AF-RHMW04-WGN01LF-2212W3	AF-RHMW04-WGN01LF-2212W3	AF-RHMW06-WGN01B-2212W1	AF-RHMW06-WGN01B-2212W1	AF-RHMW06-WGN01B-2212W2	AF-RHMW06-WGN01B-2212W2	AF-RHMW06-WGN01LF-2212W3	AF-RHMW06-WGN01LF-2212W3		
Lab Sample ID:	22L0127-01	580-121381-1	22L0170-03	580-121547-4	22L0071-01	580-121247-2	22L0110-02	580-121385-2	22L0170-04	580-121547-3		
Sample Date:	12/15/2022	12/15/2022	12/22/2022	12/22/2022	12/8/2022	12/8/2022	12/14/2022	12/14/2022	12/22/2022	12/22/2022		
Sample Type:	N	N	N	N	N	N	N	N	N	N		
			Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS									
PFAS (NG/L)	2022 Nov EPA Tapwater (THQ 0.1)											
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NA	NA	0.360 U	NA	0.380 UJ	NA	0.400 U	NA	0.380 U	NA	0.380 UJ	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	0.720 U	NA	0.770 U	NA	0.800 U	NA	0.760 U	NA	0.760 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	0.720 U	NA	0.770 U	NA	0.800 U	NA	0.760 U	NA	0.760 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	0.720 U	NA	0.770 U	NA	0.800 U	NA	0.760 U	NA	0.760 U	NA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	0.360 U	NA	0.380 U	NA	0.400 U	NA	0.380 U	NA	0.380 U	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	0.720 U	NA	0.770 U	NA	0.800 U	NA	0.760 U	NA	0.760 U	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	782	9.60	NA	0.300 J	NA	1.60 J	NA	2.10	NA	0.910 J	NA
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	0.720 U	NA	0.770 U	NA	0.800 U	NA	0.760 U	NA	0.760 U	NA
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	0.360 U	NA	0.380 UJ	NA	0.400 U	NA	0.380 U	NA	0.380 UJ	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	0.360 U	NA	0.380 U	NA	0.400 U	NA	0.380 U	NA	0.380 U	NA
N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	0.720 U	NA	0.770 U	NA	0.800 U	NA	0.760 U	NA	0.760 U	NA
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NA	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA	0.190 U	NA
N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	1.10 U	NA	1.20 U	NA	1.20 U	NA	1.10 U	NA	1.10 U	NA
N-Methyl heptafluorooctanesulfonamide (NMeFOSA)	NA	NA	0.720 U	NA	0.770 U	NA	0.800 U	NA	0.760 U	NA	0.760 U	NA
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NA	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 UJ	NA	0.190 U	NA
N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	1.10 U	NA	1.20 U	NA	1.20 U	NA	1.10 U	NA	1.10 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	0.360 U	NA	0.380 U	NA	0.400 UJ	NA	0.380 UJ	NA	0.380 U	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	NA	0.360 U	NA	0.380 U	NA	0.400 U	NA	0.380 U	NA	0.380 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	0.360 U	NA	0.380 U	NA	0.400 U	NA	0.380 U	NA	0.380 U	NA

**Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System**

Location ID:	RHMW10	RHMW10	RHMW10	RHMW10	RHMW10	RHMW10	RHMW10	RHMW12A	RHMW12A	RHMW12A	RHMW12A
Field Sample ID:	AF-RHMW10- WGN01B-2212W1	AF-RHMW10- WGN01B-2212W1	AF-RHMW10- WGN01B-2212W2	AF-RHMW10- WGN01B-2212W2	AF-RHMW10- WGN01LF-2212W3	AF-RHMW10- WGN01LF-2212W3	AF-RHMW10- WGN01LF-2212W3	AF-RHMW12A- WGN01B-2212W1	AF-RHMW12A- WGN01B-2212W1	AF-RHMW12A- WGN01B-2212W2	AF-RHMW12A- WGN01B-2212W2
Lab Sample ID:	22L0078-02	580-121247-4	22L0127-02	580-121381-2	22L0148-02	580-121535-1	22L0078-01	580-121247-5	22L0110-01	580-121385-1	
Sample Date:	12/11/2022	12/11/2022	12/15/2022	12/15/2022	12/20/2022	12/20/2022	12/9/2022	12/9/2022	12/14/2022	12/14/2022	
Sample Type:	N	N	N	N	N	N	N	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	0.400 U	NA	0.370 U	NA	0.370 U	NA	0.400 U	NA	0.370 U	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	0.800 U	NA	0.740 U	NA	0.750 U	NA	0.800 U	NA	0.740 U	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	0.800 U	NA	0.740 U	NA	0.750 U	NA	0.800 U	NA	0.740 U	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	0.800 U	NA	0.740 U	NA	0.750 U	NA	0.800 U	NA	0.740 U	NA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	0.400 U	NA	0.370 U	NA	0.370 U	NA	0.400 U	NA	0.370 U	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	0.800 U	NA	0.530 J	NA	0.750 U	NA	0.800 U	NA	0.740 U	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	782	33.0 J	NA	130	NA	0.750 U	NA	16.0 J	NA	18.0	NA
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	0.800 U	NA	0.310 J	NA	0.750 U	NA	0.800 U	NA	0.740 U	NA
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	0.400 U	NA	0.370 U	NA	0.370 U	NA	0.400 U	NA	0.370 U	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	0.400 U	NA	0.370 U	NA	0.370 U	NA	0.400 U	NA	0.370 U	NA
N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	0.800 U	NA	0.740 U	NA	0.750 U	NA	0.800 UJ	NA	0.740 U	NA
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NA	NA	0.200 U	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	1.20 U	NA	1.10 U	NA	1.10 U	NA	1.20 U	NA	1.10 U	NA
N-Methyl heptafluorooctanesulfonamide (NMeFOSA)	NA	NA	0.800 U	NA	0.740 U	NA	0.750 U	NA	0.800 U	NA	0.740 U	NA
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NA	NA	0.200 U	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 UJ	NA
N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	1.20 U	NA	1.10 U	NA	1.10 U	NA	1.20 U	NA	1.10 U	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	0.400 UJ	NA	0.370 U	NA	0.370 U	NA	0.400 UJ	NA	0.370 UJ	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	NA	NA	0.400 U	NA	0.370 U	NA	0.370 U	NA	0.400 U	NA	0.370 U	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	0.530 J	NA	0.300 J	NA	0.370 U	NA	0.400 U	NA	0.370 U	NA

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW12A	RHMW12A	RHMW12A	RHMW12A	RHMW16	RHMW16	RHMW16	RHMW16	RHMW16	RHMW16
Field Sample ID:	AF-RHMW12A-WGFD01LF-2212W3	AF-RHMW12A-WGFD01LF-2212W3	AF-RHMW12A-WGN01LF-2212W3	AF-RHMW12A-WGN01LF-2212W3	AF-RHMW16-WGN01B-2212W1	AF-RHMW16-WGN01B-2212W1	AF-RHMW16-WGN01B-2212W2	AF-RHMW16-WGN01B-2212W2	AF-RHMW16-WGN01LF-2212W3	AF-RHMW16-WGN01LF-2212W3
Lab Sample ID:	22L0160-02	580-121536-2	22L0160-01	580-121536-1	22L0078-03	580-121247-1	22L0134-01	580-121653-1	22L0160-03	580-121537-1
Sample Date:	12/21/2022	12/21/2022	12/21/2022	12/21/2022	12/10/2022	12/10/2022	12/16/2022	12/16/2022	12/21/2022	12/21/2022
Sample Type:	FD	FD	N	N	N	N	N	N	N	N

													Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS
PFAS (NG/L)	2022 Nov EPA Tapwater (THQ 0.1)												
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NA	NA	0.410 U	NA	0.380 U	NA	0.400 U	NA	0.400 UJ	NA	0.370 U	NA	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	0.810 U	NA	0.760 U	NA	0.800 U	NA	0.800 UJ	NA	0.750 U	NA	
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	0.810 U	NA	0.760 U	NA	0.800 U	NA	0.800 UJ	NA	0.750 U	NA	
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	0.810 U	NA	0.760 U	NA	0.800 U	NA	0.800 UJ	NA	0.750 U	NA	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	0.410 U	NA	0.380 U	NA	0.400 U	NA	0.400 UJ	NA	0.370 U	NA	
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	0.810 U	NA	0.760 U	NA	0.800 U	NA	0.800 UJ	NA	0.750 U	NA	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	782	0.510 J	NA	2.30	NA	48.0 J	NA	22.0 J	NA	0.750 U	NA	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	0.810 U	NA	0.760 U	NA	0.800 U	NA	0.800 UJ	NA	0.750 U	NA	
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	0.410 U	NA	0.380 U	NA	0.400 U	NA	0.400 UJ	NA	0.370 U	NA	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	0.410 U	NA	0.380 U	NA	0.400 U	NA	0.400 UJ	NA	0.370 U	NA	
N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	0.810 U	NA	0.760 U	NA	0.800 U	NA	0.800 UJ	NA	0.750 U	NA	
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NA	NA	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.200 UJ	NA	0.190 U	NA	
N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	1.20 U	NA	1.10 U	NA	1.20 U	NA	1.20 UJ	NA	1.10 U	NA	
N-Methyl heptafluorooctanesulfonamide (NMeFOSA)	NA	NA	0.810 U	NA	0.760 U	NA	0.800 U	NA	0.800 UJ	NA	0.750 U	NA	
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NA	NA	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.200 UJ	NA	0.190 U	NA	
N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	1.20 U	NA	1.10 U	NA	1.20 U	NA	1.20 UJ	NA	1.10 U	NA	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	0.410 U	NA	0.380 U	NA	0.400 UJ	NA	0.400 UJ	NA	0.370 U	NA	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	NA	0.410 U	NA	0.380 U	NA	0.400 U	NA	0.400 UJ	NA	0.370 U	NA	
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	0.410 U	NA	0.380 U	NA	0.400 U	NA	0.400 UJ	NA	0.370 U	NA	

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW17	RHMW17	RHMW17	RHMW17	RHMW17	RHMW17	RHMW17	RHMW17D	RHMW17D	RHMW17D	RHMW17D	
Field Sample ID:	AF-RHMW17-WGN01LF-2212W1	AF-RHMW17-WGN01LF-2212W1	AF-RHMW17-WGN01B-2212W2	AF-RHMW17-WGN01B-2212W2	AF-RHMW17-WGN01LF-2212W3	AF-RHMW17-WGN01LF-2212W3	AF-RHMW17D-WGN01B-2212W2	AF-RHMW17D-WGN01B-2212W2	AF-RHMW17D-WGN02B-2212W2	AF-RHMW17D-WGN02B-2212W2		
Lab Sample ID:	22L0057-03	580-121306-2	22L0099-02	580-121295-1	22L0170-02	580-121547-2	22L0134-02	580-121653-2	22L0134-03	580-121653-3		
Sample Date:	12/7/2022	12/7/2022	12/13/2022	12/13/2022	12/22/2022	12/22/2022	12/16/2022	12/16/2022	12/16/2022	12/16/2022		
Sample Type:	N	N	N	N	N	N	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	0.340 U	NA	0.370 U	NA	0.380 UJ	NA	0.390 UJ	NA	0.380 UJ	NA
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	0.690 U	NA	0.740 U	NA	0.770 U	NA	0.780 UJ	NA	0.760 UJ	NA
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	0.690 U	NA	0.740 U	NA	0.770 U	NA	0.780 UJ	NA	0.760 UJ	NA
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	0.690 U	NA	0.740 U	NA	0.770 U	NA	0.780 UJ	NA	0.760 UJ	NA
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	0.340 U	NA	0.370 U	NA	0.380 U	NA	0.390 UJ	NA	0.380 UJ	NA
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	0.690 U	NA	0.740 U	NA	0.770 U	NA	0.780 UJ	NA	0.760 UJ	NA
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	782	13.0 J	NA	25.0	NA	8.60	NA	120 J	NA	54.0 J	NA
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	0.690 U	NA	0.740 U	NA	0.770 U	NA	0.780 UJ	NA	0.760 UJ	NA
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	0.340 U	NA	0.370 U	NA	0.380 UJ	NA	0.390 UJ	NA	0.380 UJ	NA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	0.340 U	NA	0.370 U	NA	0.380 U	NA	0.390 UJ	NA	0.380 UJ	NA
N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	0.690 U	NA	0.740 U	NA	0.770 U	NA	0.780 UJ	NA	0.760 UJ	NA
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NA	NA	0.170 U	NA	0.180 U	NA	0.190 U	NA	0.200 UJ	NA	0.190 UJ	NA
N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	1.00 U	NA	1.10 U	NA	1.20 U	NA	1.20 UJ	NA	1.10 UJ	NA
N-Methyl heptafluorooctanesulfonamide (NMeFOSA)	NA	NA	0.690 U	NA	0.740 U	NA	0.770 U	NA	0.780 UJ	NA	0.760 UJ	NA
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NA	NA	0.170 U	NA	0.180 UJ	NA	0.190 U	NA	0.200 UJ	NA	0.190 UJ	NA
N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	1.00 U	NA	1.10 U	NA	1.20 U	NA	1.20 UJ	NA	1.10 UJ	NA
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	0.340 UJ	NA	0.370 UJ	NA	0.380 U	NA	0.390 UJ	NA	0.380 UJ	NA
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	NA	0.340 U	NA	0.370 U	NA	0.380 U	NA	0.390 UJ	NA	0.380 UJ	NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	0.340 U	NA	0.370 U	NA	0.380 U	NA	0.390 UJ	NA	0.380 UJ	NA

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW17D	RHMW17D	RHMW2254-01	RHMW2254-01	RHMW2254-01	RHMW2254-01	RHMW2254-01	RHMW2254-01	RHMW2254-01	RHMW2254-01	
Field Sample ID:	AF-RHMW17D-WGN01LF-2212W3	AF-RHMW17D-WGN01LF-2212W3	AF-RHMW225401-WGN01B-2212W1	AF-RHMW225401-WGN01B-2212W1	AF-RHMW225401-WGN01B-2212W2	AF-RHMW225401-WGN01B-2212W2	AF-RHMW225401-WGN01B-2212W3	AF-RHMW225401-WGN01B-2212W3	AF-RHMW225401-WGN01B-2212W3	AF-RHMW225401-WGN01B-2301W1	
Lab Sample ID:	22L0170-01	580-121547-1	22L0023-10	580-120925-1	22L0099-01	580-121299-1	22L0141-03	580-121651-3	23A0033-03		
Sample Date:	12/22/2022	12/22/2022	12/2/2022	12/2/2022	12/13/2022	12/13/2022	12/19/2022	12/19/2022	1/5/2023		
Sample Type:	N	N	N	N	N	N	N	N	N	N	
			Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS								
PFAS (NG/L)	2022 Nov EPA Tapwater (THQ 0.1)										
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	NA	NA	0.370 UJ	NA	0.370 U	NA	0.360 U	NA	0.360 U	NA	0.380 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NA	NA	0.730 U	NA	0.730 U	NA	0.730 U	NA	0.710 U	NA	0.760 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NA	NA	0.730 U	NA	0.730 U	NA	0.730 U	NA	0.710 U	NA	0.760 U
3-Perfluoropropyl propanoic acid (3:3FTCA)	NA	NA	0.730 U	NA	0.730 U	NA	0.730 U	NA	0.710 U	NA	0.760 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NA	NA	0.370 U	NA	0.370 U	NA	0.360 U	NA	0.360 U	NA	0.380 U
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	NA	0.730 U	NA	0.730 U	NA	0.730 U	NA	0.710 U	NA	0.760 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	782	6.40 J	NA	0.470 J	NA	0.470 J	NA	0.710 U	NA	0.760 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	NA	0.730 U	NA	0.730 U	NA	0.730 U	NA	0.710 U	NA	0.760 U
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	NA	NA	0.370 UJ	NA	0.370 UJ	NA	0.360 U	NA	0.360 U	NA	0.380 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	0.370 U	NA	0.370 U	NA	0.360 U	NA	0.360 U	NA	0.380 U
N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	NA	NA	0.730 U	NA	0.730 U	NA	0.730 U	NA	0.710 U	NA	0.760 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NA	NA	0.180 U	NA	0.180 UJ	NA	0.180 U	NA	0.180 U	NA	0.190 U
N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NA	NA	1.10 U	NA	1.10 U	NA	1.10 U	NA	1.10 U	NA	1.10 U
N-Methyl heptafluorooctanesulfonamide (NMeFOSA)	NA	NA	0.730 U	NA	0.730 U	NA	0.730 U	NA	0.710 U	NA	0.760 U
N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NA	NA	0.180 U	NA	0.180 U	NA	0.180 UJ	NA	0.180 U	NA	0.190 U
N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NA	NA	1.10 U	NA	1.10 U	NA	1.10 U	NA	1.10 U	NA	1.10 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	NA	0.370 U	NA	0.370 UJ	NA	0.360 UJ	NA	0.360 U	NA	0.380 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	NA	0.370 U	NA	0.370 U	NA	0.360 U	NA	0.360 U	NA	0.380 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	NA	0.370 U	NA	0.370 UJ	NA	0.360 U	NA	0.360 U	NA	0.380 U

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	HDMW2253-03	HDMW2253-03	HDMW2253-03	HDMW2253-03	RHMW02	RHMW02	RHMW02	RHMW02	RHMW02	RHMW02
Field Sample ID:	AF-HDMW225303-WGN01B-2212W2	AF-HDMW225303-WGN01B-2212W2	AF-HDMW225303-WGN01LF-2212W3	AF-HDMW225303-WGN01LF-2212W3	AF-RHMW02-WGN01LF-2212W1	AF-RHMW02-WGN01LF-2212W1	AF-RHMW02-WGN01LF-2212W2	AF-RHMW02-WGN01LF-2212W2	AF-RHMW02-WGN01LF-2212W3	AF-RHMW02-WGN01LF-2212W3
Lab Sample ID:	22L0083-01	580-121299-4	22L0148-01	580-121534-1	22L0033-02	580-120925-3	22L0083-03	580-121299-2	22L0141-01	580-121651-1
Sample Date:	12/12/2022	12/12/2022	12/20/2022	12/20/2022	12/5/2022	12/5/2022	12/12/2022	12/12/2022	12/19/2022	12/19/2022
Sample Type:	N	N	N	N	N	N	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									
	NA	NA	4.10 U	NA	0.400 U	NA	0.350 U	NA	0.340 U	NA	0.340 U	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	4.10 U	NA	0.400 U	NA	0.350 U	NA	0.340 U	NA	0.340 U	NA
Perfluorobutanesulfonic acid	600	602	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
Perfluorobutanoic acid (PFBA)	NA	7,261	8.20 U	NA	0.800 UJ	NA	0.700 U	NA	0.680 U	NA	0.690 U	NA
Perfluorodecanesulfonic acid (PFDS)	NA	20.1	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
Perfluorodecanoic acid (PFDA)	NA	4.01	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
Perfluorododecanoic acid (PFDoA)	NA	13.4	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
Perfluoroheptanesulfonic acid (PFHpS)	NA	20.1	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
Perfluoroheptanoic acid (PFHpA)	NA	40.1	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.160 J	NA	0.200 J	NA
Perfluorohexanesulfonic acid	39	40.1	0.650 J	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.0360 J	NA
Perfluorohexanoic acid (PFHxA)	NA	1,003	2.00 U	NA	0.200 U	NA	0.160 J	NA	0.210 J	NA	0.240 J	NA
Perfluorononanesulfonic acid (PFNS)	NA	NA	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
Perfluorononanoic acid (PFNA)	5.9	6.02	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
Perfluorooctanesulfonamide (PFOSA)	NA	24.1	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
Perfluorooctanesulfonic acid (PFOS)	4	4.01	2.10 U	NA	0.200 U	NA	0.130 J	NA	0.180 U	NA	0.170 U	NA
Perfluorooctanoic acid (PFOA)	6	6.02	1.70 J	NA	0.200 U	NA	0.180 U	NA	0.170 UJ	NA	0.170 U	NA
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA
Perfluoropentanoic acid (PFPeA)	NA	802	4.10 U	NA	0.400 U	NA	0.920	NA	0.480 J	NA	1.40	NA
Perfluorotetradecanoic acid (PFTeDA)	NA	134	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 UJ	NA
Perfluorotridecanoic acid (PFTTrDA)	NA	13.4	3.10 U	NA	0.300 U	NA	0.260 U	NA	0.260 U	NA	0.260 U	NA
Perfluoroundecanoic acid (PFUnA)	NA	10	2.00 U	NA	0.200 U	NA	0.180 U	NA	0.170 U	NA	0.170 U	NA

SVOC (MG/L)	2022 Nov EPA Tapwater (THQ 0.1)		Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS									
	0.06	NA	NA	3.00 U	NA	3.00 U	NA	3.00 U	NA	3.00 U	NA	3.00 U
2-(2-Butoxyethoxy)ethanol	0.06	NA	NA	3.00 U	NA	3.00 U	NA	3.00 U	NA	3.00 U	NA	3.00 U

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

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW02	RHMW03	RHMW03	RHMW03	RHMW03	RHMW03	RHMW03	RHMW03	RHMW03	RHMW04	RHMW04
Field Sample ID:	AF-RHMW02- WGN01LF-2301W1	AF-RHMW03- WGN01LF-2212W1	AF-RHMW03- WGN01LF-2212W1	AF-RHMW03- WGN01LF-2212W2	AF-RHMW03- WGN01LF-2212W2	AF-RHMW03- WGN01LF-2212W3	AF-RHMW03- WGN01LF-2212W3	AF-RHMW03- WGN01LF-2301W1	AF-RHMW03- WGN01LF-2301W1	AF-RHMW04- WGN01LF-2212W1	AF-RHMW04- WGN01LF-2212W1
Lab Sample ID:	23A0033-02	22L0033-01	580-120925-2	22L0083-02	580-121299-3	22L0141-02	580-121651-2	23A0033-01	22L0071-03	580-121306-1	
Sample Date:	1/5/2023	12/5/2022	12/5/2022	12/12/2022	12/12/2022	12/19/2022	12/19/2022	1/5/2023	12/7/2022	12/7/2022	
Sample Type:	N	N	N	N	N	N	N	N	N	N	N

PFAS (NG/L)	Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS											
	2022 Nov EPA Tapwater (THQ 0.1)											
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	0.360 U	0.400 U	NA	0.350 U	NA	0.350 U	NA	0.360 U	0.400 U	NA
Perfluorobutanesulfonic acid	600	602	0.180 U	0.200 U	NA	0.170 U	NA	0.180 U	NA	0.180 U	0.200 U	NA
Perfluorobutanoic acid (PFBA)	NA	7,261	0.720 U	2.10 J	NA	2.80	NA	2.90	NA	1.60	0.620 J	NA
Perfluorodecanesulfonic acid (PFDS)	NA	20.1	0.180 U	0.200 U	NA	0.170 U	NA	0.180 U	NA	0.180 U	0.200 U	NA
Perfluorodecanoic acid (PFDA)	NA	4.01	0.180 U	0.200 U	NA	0.160 J	NA	0.120 J	NA	0.180 U	0.200 U	NA
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	0.180 UJ	0.200 U	NA	0.170 U	NA	0.180 U	NA	0.180 UJ	0.200 U	NA
Perfluorododecanoic acid (PFDoA)	NA	13.4	0.180 U	0.200 U	NA	0.170 U	NA	0.120 J	NA	0.180 U	0.200 U	NA
Perfluoroheptanesulfonic acid (PFHpS)	NA	20.1	0.180 U	0.200 U	NA	0.170 U	NA	0.180 U	NA	0.180 U	0.200 U	NA
Perfluoroheptanoic acid (PFHpA)	NA	40.1	0.240 J	0.790	NA	0.870	NA	1.10	NA	0.820	0.250 J	NA
Perfluorohexanesulfonic acid	39	40.1	0.180 U	0.200 U	NA	0.170 U	NA	0.0390 J	NA	0.180 U	0.200 U	NA
Perfluorohexanoic acid (PFHxA)	NA	1,003	0.500 J	1.20	NA	1.50	NA	1.40	NA	1.40	0.330 J	NA
Perfluorononanesulfonic acid (PFNS)	NA	NA	0.180 U	0.200 U	NA	0.170 U	NA	0.180 U	NA	0.180 U	0.200 U	NA
Perfluorononanoic acid (PFNA)	5.9	6.02	0.180 U	0.170 J	NA	0.170 J	NA	0.170 J	NA	0.110 J	0.200 U	NA
Perfluorooctanesulfonamide (PFOSA)	NA	24.1	0.180 U	0.200 U	NA	0.170 U	NA	0.180 U	NA	0.180 U	0.200 U	NA
Perfluorooctanesulfonic acid (PFOS)	4	4.01	0.210 J	0.0690 J	NA	0.180 U	NA	0.180 U	NA	0.370 J	0.200 U	NA
Perfluorooctanoic acid (PFOA)	6	6.02	0.180 U	0.250 J	NA	0.300 J	NA	0.320 J	NA	0.270 J	0.160 J	NA
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	0.180 U	0.200 U	NA	0.170 U	NA	0.180 U	NA	0.180 U	0.200 U	NA
Perfluoropentanoic acid (PFPeA)	NA	802	0.720	3.10	NA	3.80	NA	3.70	NA	2.50	0.720 J	NA
Perfluorotetradecanoic acid (PFTeDA)	NA	134	0.180 U	0.200 U	NA	0.170 U	NA	0.180 UJ	NA	0.180 U	0.200 U	NA
Perfluorotridecanoic acid (PFTTrDA)	NA	13.4	0.270 U	0.300 U	NA	0.260 U	NA	0.260 U	NA	0.270 U	0.300 U	NA
Perfluoroundecanoic acid (PFUnA)	NA	10	0.180 U	0.200 U	NA	0.150 J	NA	0.180 J	NA	0.180 U	0.200 U	NA

SVOC (MG/L)	Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS											
	2022 Nov EPA Tapwater (THQ 0.1)											
2-(2-Butoxyethoxy)ethanol	0.06	NA	NA	NA	3.00 U	NA	3.00 U	NA	3.00 U	NA	NA	3.00 UJ

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW04	RHMW04	RHMW04	RHMW04	RHMW06	RHMW06	RHMW06	RHMW06	RHMW06	RHMW06
Field Sample ID:	AF-RHMW04-WGN01B-2212W2	AF-RHMW04-WGN01B-2212W2	AF-RHMW04-WGN01LF-2212W3	AF-RHMW04-WGN01LF-2212W3	AF-RHMW06-WGN01B-2212W1	AF-RHMW06-WGN01B-2212W1	AF-RHMW06-WGN01B-2212W2	AF-RHMW06-WGN01B-2212W2	AF-RHMW06-WGN01LF-2212W3	AF-RHMW06-WGN01LF-2212W3
Lab Sample ID:	22L0127-01	580-121381-1	22L0170-03	580-121547-4	22L0071-01	580-121247-2	22L0110-02	580-121385-2	22L0170-04	580-121547-3
Sample Date:	12/15/2022	12/15/2022	12/22/2022	12/22/2022	12/8/2022	12/8/2022	12/14/2022	12/14/2022	12/22/2022	12/22/2022
Sample Type:	N	N	N	N	N	N	N	N	N	N

	Hawaii Department of Health Ground Water											
	2022 Nov EPA Tapwater (THQ 0.1)	Environmental Action Levels (Table A) PFAS										
PFAS (NG/L)												
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	0.360 U	NA	0.380 U	NA	0.400 U	NA	0.380 U	NA	0.380 U	NA
Perfluorobutanesulfonic acid	600	602	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA	0.190 U	NA
Perfluorobutanoic acid (PFBA)	NA	7,261	2.20	NA	0.770 U	NA	1.00 J	NA	1.00 J	NA	0.790 J	NA
Perfluorodecanesulfonic acid (PFDS)	NA	20.1	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA	0.190 U	NA
Perfluorodecanoic acid (PFDA)	NA	4.01	0.180 U	NA	0.190 U	NA	0.110 J	NA	0.170 J	NA	0.190 U	NA
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	0.180 U	NA	0.190 UJ	NA	0.200 U	NA	0.190 U	NA	0.190 UJ	NA
Perfluorododecanoic acid (PFDoA)	NA	13.4	0.180 UJ	NA	0.190 U	NA	0.160 J	NA	0.190 U	NA	0.190 U	NA
Perfluoroheptanesulfonic acid (PFHpS)	NA	20.1	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA	0.190 U	NA
Perfluoroheptanoic acid (PFHpA)	NA	40.1	0.450	NA	0.190 U	NA	1.00	NA	4.90	NA	1.20	NA
Perfluorohexanesulfonic acid	39	40.1	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA	0.190 U	NA
Perfluorohexanoic acid (PFHxA)	NA	1,003	0.460 J	NA	0.190 U	NA	0.670	NA	0.730	NA	0.450	NA
Perfluorononanesulfonic acid (PFNS)	NA	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA	0.190 U	NA
Perfluorononanoic acid (PFNA)	5.9	6.02	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.230 J	NA	0.190 U	NA
Perfluorooctanesulfonamide (PFOSA)	NA	24.1	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA	0.190 U	NA
Perfluorooctanesulfonic acid (PFOS)	4	4.01	0.180 U	NA	1.30 J	NA	0.530	NA	0.200 J	NA	0.680 J	NA
Perfluorooctanoic acid (PFOA)	6	6.02	0.140 J	NA	0.190 U	NA	0.180 J	NA	0.410 J	NA	0.150 J	NA
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA	0.190 U	NA
Perfluoropentanoic acid (PFPeA)	NA	802	1.10	NA	0.380 U	NA	1.90	NA	2.00	NA	1.10	NA
Perfluorotetradecanoic acid (PFTeDA)	NA	134	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA	0.190 U	NA
Perfluorotridecanoic acid (PFTTrDA)	NA	13.4	0.270 U	NA	0.290 U	NA	0.300 U	NA	0.290 U	NA	0.290 U	NA
Perfluoroundecanoic acid (PFUnA)	NA	10	0.180 U	NA	0.190 U	NA	0.230 J	NA	0.420 J	NA	0.190 U	NA

	Hawaii Department of Health Ground Water											
	2022 Nov EPA Tapwater (THQ 0.1)	Environmental Action Levels (Table A) PFAS										
SVOC (MG/L)												
2-(2-Butoxyethoxy)ethanol	0.06	NA	NA	3.00 UJ	NA	3.00 U	NA	3.00 U	NA	3.00 UJ	NA	3.00 U

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW10	RHMW10	RHMW10	RHMW10	RHMW10	RHMW10	RHMW10	RHMW12A	RHMW12A	RHMW12A	RHMW12A
Field Sample ID:	AF-RHMW10-WGN01B-2212W1	AF-RHMW10-WGN01B-2212W1	AF-RHMW10-WGN01B-2212W2	AF-RHMW10-WGN01B-2212W2	AF-RHMW10-WGN01LF-2212W3	AF-RHMW10-WGN01LF-2212W3	AF-RHMW10-WGN01LF-2212W3	AF-RHMW12A-WGN01B-2212W1	AF-RHMW12A-WGN01B-2212W1	AF-RHMW12A-WGN01B-2212W2	AF-RHMW12A-WGN01B-2212W2
Lab Sample ID:	22L0078-02	580-121247-4	22L0127-02	580-121381-2	22L0148-02	580-121535-1	22L0078-01	580-121247-5	22L0110-01	580-121385-1	
Sample Date:	12/11/2022	12/11/2022	12/15/2022	12/15/2022	12/20/2022	12/20/2022	12/9/2022	12/9/2022	12/14/2022	12/14/2022	
Sample Type:	N	N	N	N	N	N	N	N	N	N	N

	Hawaii Department of Health Ground Water											
	2022 Nov EPA Tapwater (THQ 0.1)		Environmental Action Levels (Table A) PFAS									
PFAS (NG/L)												
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	0.110 J	NA	0.370 U	NA	0.370 U	NA	0.400 U	NA	0.370 U	NA
Perfluorobutanesulfonic acid	600	602	0.110 J	NA	0.180 U	NA	0.190 U	NA	0.0550 J	NA	0.0510 J	NA
Perfluorobutanoic acid (PFBA)	NA	7,261	48.0	NA	36.0	NA	0.530 J	NA	19.0	NA	13.0	NA
Perfluorodecanesulfonic acid (PFDS)	NA	20.1	0.200 U	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
Perfluorodecanoic acid (PFDA)	NA	4.01	0.790 J	NA	0.310 J	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	0.200 U	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
Perfluorododecanoic acid (PFDoA)	NA	13.4	0.470	NA	0.200 J	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
Perfluoroheptanesulfonic acid (PFHpS)	NA	20.1	0.200 U	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
Perfluoroheptanoic acid (PFHpA)	NA	40.1	2.90	NA	2.00	NA	0.190 U	NA	1.50	NA	1.20	NA
Perfluorohexanesulfonic acid	39	40.1	0.0680 J	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
Perfluorohexanoic acid (PFHxA)	NA	1,003	5.60	NA	7.10	NA	0.190 U	NA	7.70	NA	5.50	NA
Perfluorononanesulfonic acid (PFNS)	NA	NA	0.200 U	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
Perfluorononanoic acid (PFNA)	5.9	6.02	2.20	NA	0.680	NA	0.190 U	NA	0.140 J	NA	0.190 U	NA
Perfluorooctanesulfonamide (PFOSA)	NA	24.1	0.200 U	NA	0.180 U	NA	0.190 U	NA	0.890	NA	0.190 U	NA
Perfluorooctanesulfonic acid (PFOS)	4	4.01	0.410 J	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
Perfluorooctanoic acid (PFOA)	6	6.02	1.60 J	NA	0.750	NA	0.190 U	NA	0.400 J	NA	0.350 J	NA
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	0.200 U	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
Perfluoropentanoic acid (PFPeA)	NA	802	43.0	NA	30.0	NA	0.130 J	NA	34.0	NA	22.0	NA
Perfluorotetradecanoic acid (PFTeDA)	NA	134	0.200 U	NA	0.180 U	NA	0.190 U	NA	0.200 U	NA	0.190 U	NA
Perfluorotridecanoic acid (PFTrDA)	NA	13.4	0.450 J	NA	0.480 J	NA	0.280 U	NA	0.300 U	NA	0.280 U	NA
Perfluoroundecanoic acid (PFUnA)	NA	10	0.990	NA	0.580 J	NA	0.190 U	NA	0.200 U	NA	0.190 UJ	NA

	Hawaii Department of Health Ground Water											
	2022 Nov EPA Tapwater (THQ 0.1)		Environmental Action Levels (Table A) PFAS									
SVOC (MG/L)												
2-(2-Butoxyethoxy)ethanol	0.06	NA	NA	3.00 U	NA	3.00 UJ	NA	3.00 U	NA	3.00 U	NA	3.00 UJ

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW12A	RHMW12A	RHMW12A	RHMW12A	RHMW16	RHMW16	RHMW16	RHMW16	RHMW16	RHMW16
Field Sample ID:	AF-RHMW12A-WGFD01LF-2212W3	AF-RHMW12A-WGFD01LF-2212W3	AF-RHMW12A-WGN01LF-2212W3	AF-RHMW12A-WGN01LF-2212W3	AF-RHMW16-WGN01B-2212W1	AF-RHMW16-WGN01B-2212W1	AF-RHMW16-WGN01B-2212W2	AF-RHMW16-WGN01B-2212W2	AF-RHMW16-WGN01LF-2212W3	AF-RHMW16-WGN01LF-2212W3
Lab Sample ID:	22L0160-02	580-121536-2	22L0160-01	580-121536-1	22L0078-03	580-121247-1	22L0134-01	580-121653-1	22L0160-03	580-121537-1
Sample Date:	12/21/2022	12/21/2022	12/21/2022	12/21/2022	12/10/2022	12/10/2022	12/16/2022	12/16/2022	12/21/2022	12/21/2022
Sample Type:	FD	FD	N	N	N	N	N	N	N	N

	Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS											
PFAS (NG/L)	2022 Nov EPA Tapwater (THQ 0.1)											
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	0.410 U	NA	0.380 U	NA	0.400 U	NA	0.400 UJ	NA	0.370 U	NA
Perfluorobutanesulfonic acid	600	602	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.0590 J	NA	0.190 U	NA
Perfluorobutanoic acid (PFBA)	NA	7,261	2.50 J	NA	2.70 J	NA	15.0	NA	8.50 J	NA	0.750 UJ	NA
Perfluorodecanesulfonic acid (PFDS)	NA	20.1	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.200 UJ	NA	0.190 U	NA
Perfluorodecanoic acid (PFDA)	NA	4.01	0.200 U	NA	0.190 U	NA	0.100 J	NA	0.200 UJ	NA	0.190 U	NA
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.200 UJ	NA	0.190 U	NA
Perfluorododecanoic acid (PFDoA)	NA	13.4	0.200 U	NA	0.190 U	NA	0.110 J	NA	0.200 UJ	NA	0.190 U	NA
Perfluoroheptanesulfonic acid (PFHpS)	NA	20.1	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.200 UJ	NA	0.190 U	NA
Perfluoroheptanoic acid (PFHpA)	NA	40.1	0.250 J	NA	0.290 J	NA	1.70 J	NA	1.50 J	NA	0.190 U	NA
Perfluorohexanesulfonic acid	39	40.1	0.200 U	NA	0.190 U	NA	0.0440 J	NA	0.200 UJ	NA	0.190 U	NA
Perfluorohexanoic acid (PFHxA)	NA	1,003	1.40	NA	1.30	NA	4.40	NA	2.80 J	NA	0.190 U	NA
Perfluorononanesulfonic acid (PFNS)	NA	NA	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.200 UJ	NA	0.190 U	NA
Perfluorononanoic acid (PFNA)	5.9	6.02	0.200 U	NA	0.190 U	NA	0.150 J	NA	0.0850 J	NA	0.190 U	NA
Perfluorooctanesulfonamide (PFOSA)	NA	24.1	0.200 U	NA	0.190 U	NA	0.130 J	NA	0.200 UJ	NA	0.190 U	NA
Perfluorooctanesulfonic acid (PFOS)	4	4.01	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.200 UJ	NA	0.190 U	NA
Perfluorooctanoic acid (PFOA)	6	6.02	0.200 U	NA	0.190 U	NA	0.400 J	NA	0.320 J	NA	0.190 U	NA
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.200 UJ	NA	0.190 U	NA
Perfluoropentanoic acid (PFPeA)	NA	802	5.00	NA	5.00	NA	25.0	NA	15.0 J	NA	0.370 U	NA
Perfluorotetradecanoic acid (PFTeDA)	NA	134	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.200 UJ	NA	0.190 U	NA
Perfluorotridecanoic acid (PFTrDA)	NA	13.4	0.310 U	NA	0.280 U	NA	0.300 U	NA	0.300 UJ	NA	0.280 U	NA
Perfluoroundecanoic acid (PFUnA)	NA	10	0.200 U	NA	0.190 U	NA	0.200 U	NA	0.200 UJ	NA	0.190 U	NA

	Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS											
SVOC (MG/L)	2022 Nov EPA Tapwater (THQ 0.1)											
2-(2-Butoxyethoxy)ethanol	0.06	NA	NA	3.00 U	NA	3.00 U	NA	3.00 U	NA	3.00 UJ	NA	3.00 U

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW17	RHMW17	RHMW17	RHMW17	RHMW17	RHMW17	RHMW17	RHMW17D	RHMW17D	RHMW17D	RHMW17D
Field Sample ID:	AF-RHMW17- WGN01LF-2212W1	AF-RHMW17- WGN01LF-2212W1	AF-RHMW17- WGN01B-2212W2	AF-RHMW17- WGN01B-2212W2	AF-RHMW17- WGN01LF-2212W3	AF-RHMW17- WGN01LF-2212W3	AF-RHMW17- WGN01B-2212W3	AF-RHMW17D- WGN01B-2212W2	AF-RHMW17D- WGN01B-2212W2	AF-RHMW17D- WGN02B-2212W2	AF-RHMW17D- WGN02B-2212W2
Lab Sample ID:	22L0057-03	580-121306-2	22L0099-02	580-121295-1	22L0170-02	580-121547-2	22L0134-02	580-121653-2	22L0134-03	580-121653-3	580-121653-3
Sample Date:	12/7/2022	12/7/2022	12/13/2022	12/13/2022	12/22/2022	12/22/2022	12/22/2022	12/16/2022	12/16/2022	12/16/2022	12/16/2022
Sample Type:	N	N	N	N	N	N	N	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									
	NA	NA	0.340 U	NA	0.370 U	NA	0.380 U	NA	0.390 UJ	NA	0.380 UJ	NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	0.340 U	NA	0.370 U	NA	0.380 U	NA	0.390 UJ	NA	0.380 UJ	NA
Perfluorobutanesulfonic acid	600	602	0.190 J	NA	0.230 J	NA	0.160 J	NA	0.160 J	NA	0.110 J	NA
Perfluorobutanoic acid (PFBA)	NA	7,261	4.60	NA	6.70	NA	2.80	NA	0.780 UJ	NA	0.760 UJ	NA
Perfluorodecanesulfonic acid (PFDS)	NA	20.1	0.170 U	NA	0.180 U	NA	0.190 U	NA	0.200 UJ	NA	0.190 UJ	NA
Perfluorodecanoic acid (PFDA)	NA	4.01	0.170 U	NA	0.220 J	NA	0.100 J	NA	0.430 J	NA	0.160 J	NA
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	0.170 U	NA	0.180 U	NA	0.190 UJ	NA	0.200 UJ	NA	0.190 UJ	NA
Perfluorododecanoic acid (PFDoA)	NA	13.4	0.170 U	NA	0.180 U	NA	0.190 U	NA	0.270 J	NA	0.190 UJ	NA
Perfluoroheptanesulfonic acid (PFHpS)	NA	20.1	0.170 U	NA	0.180 U	NA	0.190 U	NA	0.200 UJ	NA	0.190 UJ	NA
Perfluoroheptanoic acid (PFHpA)	NA	40.1	0.980	NA	2.10	NA	0.830	NA	0.290 J	NA	0.200 J	NA
Perfluorohexanesulfonic acid	39	40.1	0.0530 J	NA	0.0480 J	NA	0.0540 J	NA	0.150 J	NA	0.0910 J	NA
Perfluorohexanoic acid (PFHxA)	NA	1,003	2.90	NA	5.10	NA	2.50	NA	1.60 J	NA	0.830 J	NA
Perfluorononanesulfonic acid (PFNS)	NA	NA	0.170 U	NA	0.180 U	NA	0.190 U	NA	0.200 UJ	NA	0.190 UJ	NA
Perfluorononanoic acid (PFNA)	5.9	6.02	0.170 U	NA	0.260 J	NA	0.110 J	NA	0.330 J	NA	0.140 J	NA
Perfluorooctanesulfonamide (PFOSA)	NA	24.1	0.720	NA	0.180 U	NA	0.110 J	NA	0.110 J	NA	0.190 UJ	NA
Perfluorooctanesulfonic acid (PFOS)	4	4.01	0.170 U	NA	0.190 J	NA	0.710 J	NA	1.10 J	NA	0.530 J	NA
Perfluorooctanoic acid (PFOA)	6	6.02	0.230 J	NA	0.510 J	NA	0.390	NA	0.790 J	NA	0.360 J	NA
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	0.170 U	NA	0.180 U	NA	0.190 U	NA	0.200 UJ	NA	0.190 UJ	NA
Perfluoropentanoic acid (PFPeA)	NA	802	7.60	NA	14.0	NA	5.00	NA	0.940 J	NA	0.700 J	NA
Perfluorotetradecanoic acid (PFTeDA)	NA	134	0.170 U	NA	0.180 U	NA	0.190 U	NA	0.230 J	NA	0.190 UJ	NA
Perfluorotridecanoic acid (PFTTrDA)	NA	13.4	0.260 U	NA	0.280 U	NA	0.290 U	NA	0.290 UJ	NA	0.290 UJ	NA
Perfluoroundecanoic acid (PFUnA)	NA	10	0.170 U	NA	0.180 J	NA	0.190 U	NA	0.200 UJ	NA	0.190 UJ	NA

SVOC (MG/L)	2022 Nov EPA Tapwater (THQ 0.1)		Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS									
	0.06	NA	NA	3.00 UJ	NA	3.00 U	NA	3.00 U	NA	3.00 UJ	NA	3.00 UJ
2-(2-Butoxyethoxy)ethanol	0.06	NA	NA	3.00 UJ	NA	3.00 U	NA	3.00 U	NA	3.00 UJ	NA	3.00 UJ

Table X-X
Multiple Events Selected
Chemistry Results
RH Fire Suppression System

Location ID:	RHMW17D	RHMW17D	RHMW2254-01	RHMW2254-01	RHMW2254-01	RHMW2254-01	RHMW2254-01	RHMW2254-01	RHMW2254-01	RHMW2254-01
Field Sample ID:	AF-RHMW17D-WGN01LF-2212W3	AF-RHMW17D-WGN01LF-2212W3	AF-RHMW225401-WGN01B-2212W1	AF-RHMW225401-WGN01B-2212W1	AF-RHMW225401-WGN01B-2212W2	AF-RHMW225401-WGN01B-2212W2	AF-RHMW225401-WGN01B-2212W3	AF-RHMW225401-WGN01B-2212W3	AF-RHMW225401-WGN01B-2212W3	AF-RHMW225401-WGN01B-2301W1
Lab Sample ID:	22L0170-01	580-121547-1	22L0023-10	580-120925-1	22L0099-01	580-121299-1	22L0141-03	580-121651-3	23A0033-03	
Sample Date:	12/22/2022	12/22/2022	12/2/2022	12/2/2022	12/13/2022	12/13/2022	12/19/2022	12/19/2022	1/5/2023	
Sample Type:	N	N	N	N	N	N	N	N	N	N

	Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS										
PFAS (NG/L)	2022 Nov EPA Tapwater (THQ 0.1)										
Perfluoro-4-methoxybutanoic acid (PFMBA)	NA	NA	0.370 U	NA	0.370 U	NA	0.360 U	NA	0.360 U	NA	0.380 U
Perfluorobutanesulfonic acid	600	602	0.100 J	NA	0.660	NA	0.710	NA	0.680	NA	0.660
Perfluorobutanoic acid (PFBA)	NA	7,261	0.690 J	NA	0.540 J	NA	0.410 J	NA	0.600 J	NA	0.600 J
Perfluorodecanesulfonic acid (PFDS)	NA	20.1	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.190 U
Perfluorodecanoic acid (PFDA)	NA	4.01	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.190 U
Perfluorododecanesulfonic acid (PFDoS)	NA	NA	0.180 UJ	NA	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.190 UJ
Perfluorododecanoic acid (PFDoA)	NA	13.4	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.190 U
Perfluoroheptanesulfonic acid (PFHpS)	NA	20.1	0.180 U	NA	0.0550 J	NA	0.180 U	NA	0.180 U	NA	0.190 U
Perfluoroheptanoic acid (PFHpA)	NA	40.1	0.120 J	NA	0.820	NA	0.590	NA	0.730	NA	0.750
Perfluorohexanesulfonic acid	39	40.1	0.180 U	NA	1.10	NA	0.880	NA	1.20	NA	1.10
Perfluorohexanoic acid (PFHxA)	NA	1,003	0.290 J	NA	0.950	NA	0.850	NA	0.960	NA	0.960
Perfluorononanesulfonic acid (PFNS)	NA	NA	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.190 U
Perfluorononanoic acid (PFNA)	5.9	6.02	0.180 U	NA	0.150 J	NA	0.120 J	NA	0.180 J	NA	0.160 J
Perfluorooctanesulfonamide (PFOSA)	NA	24.1	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.190 U
Perfluorooctanesulfonic acid (PFOS)	4	4.01	0.850 J	NA	1.10	NA	0.930	NA	0.980	NA	0.480 J
Perfluorooctanoic acid (PFOA)	6	6.02	0.220 J	NA	1.20	NA	1.10 J	NA	1.00	NA	0.840
Perfluoropentanesulfonic acid (PFPeS)	NA	NA	0.180 U	NA	0.130 J	NA	0.130 J	NA	0.110 J	NA	0.120 J
Perfluoropentanoic acid (PFPeA)	NA	802	0.150 J	NA	1.20	NA	1.00	NA	1.20	NA	1.20
Perfluorotetradecanoic acid (PFTeDA)	NA	134	0.180 U	NA	0.180 U	NA	0.180 U	NA	0.180 UJ	NA	0.190 U
Perfluorotridecanoic acid (PFTTrDA)	NA	13.4	0.270 U	NA	0.270 U	NA	0.270 U	NA	0.270 U	NA	0.280 U
Perfluoroundecanoic acid (PFUnA)	NA	10	0.180 U	NA	0.180 U	NA	0.180 UJ	NA	0.180 U	NA	0.190 U

	Hawaii Department of Health Ground Water Environmental Action Levels (Table A) PFAS										
SVOC (MG/L)	2022 Nov EPA Tapwater (THQ 0.1)										
2-(2-Butoxyethoxy)ethanol	0.06	NA	NA	3.00 U	NA	3.00 U	NA	3.00 U	NA	3.00 U	NA