

# Groundwater Samples Collected in January 2023 from Monitoring Wells Surrounding Red Hill

**Summary of Chemistry Results  
Adit 6 - AFFF Release Response  
PFAS Sampling, Red Hill, JBPBH**

<b>Notes:</b>
ND = Not Detected
PPT = Parts per Trillion
PPB = Parts per Billion
PPM = Parts per Million
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
FT (Field Triplicate) = Field Triplicate
FR (Field Replicate) = Field Replicate

Method Group	Analyte	EPA RSL	DOH EAL	HDMW2253-03 Monitoring Well					RHMW02 Monitoring Well		
				Location ID:	Field Sample ID:	Sample Date:	Sample Type:	Location ID:	Field Sample ID:	Sample Date:	Sample Type:
				AF-HDMW225303-WGN01LF-2301W1	AF-HDMW225303-WGN01LF-2301W2	AF-HDMW225303-WGN01LF-2301W3	AF-HDMW225303-WGN01LF-2301W4	AF-HDMW225303-WGN01LF-2301W5	AF-RHMW02-WGN01LF-2301W1	AF-RHMW02-WGN01LF-2301W2	AF-RHMW02-WGN01LF-2301W3
				2023-01-03	2023-01-10	2023-01-17	2023-01-24	2023-01-31	2023-01-05	2023-01-09	2023-01-16
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Per- and polyfluoroalkyl substances (ppt)	11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	3-Perfluoropropyl propanoic acid (3:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	--	782	ND	ND	ND	ND	ND	8.00	ND	ND
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamide (NEFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamidoethanol (NEFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl heptadecafluorooctanesulfonamide (NMeFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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				HDMW2253-03 Monitoring Well					RHMW02 Monitoring Well		
				AF-HDMW225303- WGN01LF-2301W1	AF-HDMW225303- WGN01LF-2301W2	AF-HDMW225303- WGN01LF-2301W3	AF-HDMW225303- WGN01LF-2301W4	AF-HDMW225303- WGN01LF-2301W5	AF-RHMW02- WGN01LF-2301W1	AF-RHMW02- WGN01LF-2301W2	AF-RHMW02- WGN01LF-2301W3
				2023-01-03	2023-01-10	2023-01-17	2023-01-24	2023-01-31	2023-01-05	2023-01-09	2023-01-16
				N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	EPA RSL	DOH EAL								
Per- and polyfluoroalkyl substances (ppt)	Perfluorobutanesulfonic acid	600	602	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorobutanoic acid (PFBA)	--	7260	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorodecanesulfonic acid (PFDS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorodecanoic acid (PFDA)	--	4.01	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorododecanesulfonic acid (PFDoS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorododecanoic acid (PFDoA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroheptanesulfonic acid (PFHpS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroheptanoic acid (PFHpA)	--	40.1	ND	ND	ND	ND	ND	0.240	ND	ND
	Perfluorohexanesulfonic acid	39	40.1	0.0340	ND	ND	ND	ND	ND	ND	ND
	Perfluorohexanoic acid (PFHxA)	--	1000	ND	ND	ND	ND	ND	0.500	ND	0.600
	Perfluorononanesulfonic acid (PFNS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorononanoic acid (PFNA)	5.9	6.02	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorooctanesulfonamide (PFOSA)	--	24.1	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorooctanesulfonic acid (PFOS)	4	4.01	0.530	ND	ND	ND	ND	0.210	ND	ND
	Perfluorooctanoic acid (PFOA)	6	6.02	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoropentanesulfonic acid (PFPeS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoropentanoic acid (PFPeA)	--	802	ND	ND	ND	ND	ND	0.720	ND	5.50
	Perfluorotetradecanoic acid (PFTeDA)	--	134	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorotridecanoic acid (PFTriDA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroundecanoic acid (PFUnA)	--	10	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppm)	2-(2-Butoxyethoxy)ethanol	0.06	--	ND	ND	ND	ND	--	ND	ND	ND

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Method Group	Analyte	EPA RSL	DOH EAL	RHMW02 Monitoring Well		RHMW03 Monitoring Well				RHMW04 Monitoring Well	
				Location ID: Field Sample ID: Sample Date: Sample Type:	Location ID: Field Sample ID: Sample Date: Sample Type:	Location ID: Field Sample ID: Sample Date: Sample Type:	Location ID: Field Sample ID: Sample Date: Sample Type:	Location ID: Field Sample ID: Sample Date: Sample Type:	Location ID: Field Sample ID: Sample Date: Sample Type:	Location ID: Field Sample ID: Sample Date: Sample Type:	
Per- and polyfluoroalkyl substances (ppt)	11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	3-Perfluoropropyl propanoic acid (3:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	--	782	3.60	3.80	3.70	ND	ND	8.30	6.90	ND
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamide (NEIFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEIFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamidoethanol (NEIFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl heptadecafluorooctanesulfonamide (NMeFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	EPA RSL	DOH EAL	Location ID:	RHMW02		RHMW03				RHMW04	
				Location Type:	Monitoring Well		Monitoring Well				Monitoring Well	
				Field Sample ID:	AF-RHMW02- WGN01LF-2301W4	AF-RHMW02- WGN01LF-2301W5	AF-RHMW03- WGN01LF-2301W1	AF-RHMW03- WGN01LF-2301W2	AF-RHMW03- WGN01LF-2301W3	AF-RHMW03- WGN01LF-2301W4	AF-RHMW03- WGN01LF-2301W5	AF-RHMW04- WGN01LF-2301W1
				Sample Date:	2023-01-23	2023-01-30	2023-01-05	2023-01-09	2023-01-16	2023-01-23	2023-01-30	2023-01-04
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Per- and polyfluoroalkyl substances (ppt)	Perfluorobutanesulfonic acid	600	602	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorobutanoic acid (PFBA)	--	7260	ND	ND	1.60	ND	ND	ND	ND	ND	ND
	Perfluorodecanesulfonic acid (PFDS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorodecanoic acid (PFDA)	--	4.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorododecanesulfonic acid (PFDoS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorododecanoic acid (PFDoA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroheptanesulfonic acid (PFHpS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroheptanoic acid (PFHpA)	--	40.1	ND	ND	0.820	0.800	0.810	1.70	1.80	ND	ND
	Perfluorohexanesulfonic acid	39	40.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorohexanoic acid (PFHxA)	--	1000	ND	ND	1.40	1.30	1.50	2.40	ND	ND	ND
	Perfluorononanesulfonic acid (PFNS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorononanoic acid (PFNA)	5.9	6.02	ND	ND	0.110	ND	ND	ND	ND	ND	ND
	Perfluorooctanesulfonamide (PFOSA)	--	24.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorooctanesulfonic acid (PFOS)	4	4.01	ND	ND	0.370	ND	ND	ND	ND	ND	ND
	Perfluorooctanoic acid (PFOA)	6	6.02	ND	ND	0.270	ND	ND	ND	ND	ND	ND
	Perfluoropentanesulfonic acid (PFPeS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoropentanoic acid (PFPeA)	--	802	ND	ND	2.50	2.10	2.20	5.40	3.60	ND	ND
	Perfluorotetradecanoic acid (PFTeDA)	--	134	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorotridecanoic acid (PFTriDA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroundecanoic acid (PFUnA)	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppm)	2-(2-Butoxyethoxy)ethanol	0.06	--	ND	--	ND	ND	ND	ND	--	ND	

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Method Group	Analyte	EPA RSL	DOH EAL	Location ID:	RHMW04				RHMW06				
				Location Type:	Monitoring Well				Monitoring Well				
				Field Sample ID:	AF-RHMW04-WGN01LF-2301W2	AF-RHMW04-WGN01LF-2301W3	AF-RHMW04-WGN01LF-2301W4	AF-RHMW04-WGN01LF-2301W5	AF-RHMW06-WGN01LF-2301W1	AF-RHMW06-WGN01LF-2301W2	AF-RHMW06-WGN01LF-2301W3	AF-RHMW06-WGN01LF-2301W4	
				Sample Date:	2023-01-12	2023-01-19	2023-01-26	2023-02-02	2023-01-04	2023-01-12	2023-01-19	2023-01-26	
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Per- and polyfluoroalkyl substances (ppt)	11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Perfluoropropyl propanoic acid (3:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	--	782	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl heptadecafluorooctanesulfonamide (NMeFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Method Group	Analyte	EPA RSL	DOH EAL	Location ID:	RHMW04				RHMW06				
				Location Type:	Monitoring Well				Monitoring Well				
				Field Sample ID:	AF-RHMW04-WGN01LF-2301W2	AF-RHMW04-WGN01LF-2301W3	AF-RHMW04-WGN01LF-2301W4	AF-RHMW04-WGN01LF-2301W5	AF-RHMW06-WGN01LF-2301W1	AF-RHMW06-WGN01LF-2301W2	AF-RHMW06-WGN01LF-2301W3	AF-RHMW06-WGN01LF-2301W4	
				Sample Date:	2023-01-12	2023-01-19	2023-01-26	2023-02-02	2023-01-04	2023-01-12	2023-01-19	2023-01-26	
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Per- and polyfluoroalkyl substances (ppt)	Perfluorobutanesulfonic acid	600	602	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorobutanoic acid (PFBA)	--	7260	ND	ND	ND	ND	0.290	ND	ND	ND	ND	ND
	Perfluorodecanesulfonic acid (PFDS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorodecanoic acid (PFDA)	--	4.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorododecanesulfonic acid (PFDoS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorododecanoic acid (PFDoA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroheptanesulfonic acid (PFHpS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroheptanoic acid (PFHpA)	--	40.1	ND	ND	ND	ND	0.640	ND	ND	ND	1.30	ND
	Perfluorohexanesulfonic acid	39	40.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorohexanoic acid (PFHxA)	--	1000	ND	ND	ND	ND	0.310	ND	ND	ND	ND	ND
	Perfluorononanesulfonic acid (PFNS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorononanoic acid (PFNA)	5.9	6.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorooctanesulfonamide (PFOSA)	--	24.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorooctanesulfonic acid (PFOS)	4	4.01	ND	ND	ND	ND	0.250	ND	ND	ND	ND	ND
	Perfluorooctanoic acid (PFOA)	6	6.02	ND	ND	ND	ND	0.140	ND	ND	ND	ND	ND
	Perfluoropentanesulfonic acid (PFPeS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoropentanoic acid (PFPeA)	--	802	ND	ND	ND	ND	0.490	ND	ND	ND	ND	ND
	Perfluorotetradecanoic acid (PFTeDA)	--	134	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorotridecanoic acid (PFTriDA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroundecanoic acid (PFUnA)	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppm)	2-(2-Butoxyethoxy)ethanol	0.06	--	ND	ND	ND	--	ND	ND	ND	ND	ND	

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FT (Field Triplicate) = Field Triplicate
FR (Field Replicate) = Field Replicate

Method Group	Analyte	EPA RSL	DOH EAL	Location ID:	RHMW10							RHMW12A
				Monitoring Well	Monitoring Well							Monitoring Well
Field Sample ID:	AF-RHMW06-WGN01LF-2301W5	AF-RHMW10-WGFD01LF-2301W1	AF-RHMW10-WGN01LF-2301W1	AF-RHMW10-WGN01LF-2301W2	AF-RHMW10-WGN01LF-2301W3	AF-RHMW10-WGN01LF-2301W4	AF-RHMW10-WGN01LF-2301W5	AF-RHMW12A-WGFD01LF-2301W1				
Sample Date:	2023-02-02	2023-01-03	2023-01-03	2023-01-10	2023-01-17	2023-01-24	2023-02-01	2023-01-04				
Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)				
Per- and polyfluoroalkyl substances (ppt)	11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	3-Perfluoropropyl propanoic acid (3:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	--	782	ND	0.600	0.350	ND	ND	ND	ND	0.580	
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Ethyl perfluorooctanesulfonamide (NEIFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEIFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Ethyl perfluorooctanesulfonamidoethanol (NEIFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Methyl heptadecafluorooctanesulfonamide (NMeFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	

# Groundwater Samples Collected in January 2023 from Monitoring Wells Surrounding Red Hill

**Summary of Chemistry Results  
Adit 6 - AFFF Release Response  
PFAS Sampling, Red Hill, JBPBH**

<b>Notes:</b>
ND = Not Detected
PPT = Parts per Trillion
PPB = Parts per Billion
PPM = Parts per Million
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
FT (Field Triplicate) = Field Triplicate
FR (Field Replicate) = Field Replicate

Method Group	Analyte	EPA RSL	DOH EAL	Location ID:	RHMW10						RHMW12A
				Monitoring Well	Monitoring Well						Monitoring Well
Field Sample ID:	AF-RHMW06-WGN01LF-2301W5	AF-RHMW10-WGFD01LF-2301W1	AF-RHMW10-WGN01LF-2301W1	AF-RHMW10-WGN01LF-2301W2	AF-RHMW10-WGN01LF-2301W3	AF-RHMW10-WGN01LF-2301W4	AF-RHMW10-WGN01LF-2301W5	AF-RHMW12A-WGFD01LF-2301W1			
Sample Date:	2023-02-02	2023-01-03	2023-01-03	2023-01-10	2023-01-17	2023-01-24	2023-02-01	2023-01-04			
Sample Type:	N (Normal)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	FD (Field Duplicate)			
Per- and polyfluoroalkyl substances (ppt)	Perfluorobutanesulfonic acid	600	602	ND	ND	ND	ND	ND	ND	ND	
	Perfluorobutanoic acid (PFBA)	--	7260	ND	ND	ND	ND	ND	ND	2.40	
	Perfluorodecanesulfonic acid (PFDS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	
	Perfluorodecanoic acid (PFDA)	--	4.01	ND	ND	ND	ND	ND	ND	ND	
	Perfluorododecanesulfonic acid (PFDoS)	--	--	ND	ND	ND	ND	ND	ND	ND	
	Perfluorododecanoic acid (PFDoA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	
	Perfluoroheptanesulfonic acid (PFHpS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	
	Perfluoroheptanoic acid (PFHpA)	--	40.1	ND	ND	ND	ND	ND	ND	0.300	
	Perfluorohexanesulfonic acid	39	40.1	ND	ND	ND	ND	ND	ND	ND	
	Perfluorohexanoic acid (PFHxA)	--	1000	ND	ND	ND	ND	ND	ND	1.40	
	Perfluorononanesulfonic acid (PFNS)	--	--	ND	ND	ND	ND	ND	ND	ND	
	Perfluorononanoic acid (PFNA)	5.9	6.02	ND	ND	ND	ND	ND	ND	ND	
	Perfluorooctanesulfonamide (PFOSA)	--	24.1	ND	ND	0.100	ND	ND	ND	ND	
	Perfluorooctanesulfonic acid (PFOS)	4	4.01	ND	0.220	ND	ND	ND	ND	0.280	
	Perfluorooctanoic acid (PFOA)	6	6.02	ND	ND	ND	ND	ND	ND	0.160	
	Perfluoropentanesulfonic acid (PFPeS)	--	--	ND	ND	ND	ND	ND	ND	ND	
	Perfluoropentanoic acid (PFPeA)	--	802	ND	ND	ND	ND	ND	ND	5.30	
	Perfluorotetradecanoic acid (PFTeDA)	--	134	ND	ND	ND	ND	ND	ND	ND	
	Perfluorotridecanoic acid (PFTriDA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	
	Perfluoroundecanoic acid (PFUnA)	--	10	ND	ND	ND	ND	ND	ND	ND	
Synthetic Organic Compounds (ppm)	2-(2-Butoxyethoxy)ethanol	0.06	--	--	ND	ND	ND	ND	ND	ND	



# Groundwater Samples Collected in January 2023 from Monitoring Wells Surrounding Red Hill

**Summary of Chemistry Results  
Adit 6 - AFFF Release Response  
PFAS Sampling, Red Hill, JBP HH**

<b>Notes:</b>
ND = Not Detected
PPT = Parts per Trillion
PPB = Parts per Billion
PPM = Parts per Million
§ - Exceeds Screening Level
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N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
FT (Field Triplicate) = Field Triplicate
FR (Field Replicate) = Field Replicate

				RHMW12A Monitoring Well									
				Location ID:									
				Location Type:									
				Field Sample ID:	AF-RHMW12A-WGFD01LF-2301W2	AF-RHMW12A-WGFD01LF-2301W3	AF-RHMW12A-WGFD01LF-2301W5	AF-RHMW12A-WGN01LF-2301W1	AF-RHMW12A-WGN01LF-2301W2	AF-RHMW12A-WGN01LF-2301W3	AF-RHMW12A-WGN01LF-2301W4	AF-RHMW12A-WGN01LF-2301W5	
				Sample Date:	2023-01-10	2023-01-17	2023-01-30	2023-01-04	2023-01-10	2023-01-17	2023-01-25	2023-01-30	
				Sample Type:	FD (Field Duplicate)	FD (Field Duplicate)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	EPA RSL	DOH EAL										
Per- and polyfluoroalkyl substances (ppt)	11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	3-Perfluoropropyl propanoic acid (3:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	--	782	ND	ND	ND	0.570	ND	ND	3.20	ND	ND	
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Methyl heptadecafluorooctanesulfonamide (NMeFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	

# Groundwater Samples Collected in January 2023 from Monitoring Wells Surrounding Red Hill

**Summary of Chemistry Results  
Adit 6 - AFFF Release Response  
PFAS Sampling, Red Hill, JBPBH**

<b>Notes:</b>
ND = Not Detected
PPT = Parts per Trillion
PPB = Parts per Billion
PPM = Parts per Million
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
FT (Field Triplicate) = Field Triplicate
FR (Field Replicate) = Field Replicate

				RHMW12A								
				Monitoring Well								
				AF-RHMW12A- WGFD01LF-2301W2	AF-RHMW12A- WGFD01LF-2301W3	AF-RHMW12A- WGFD01LF-2301W5	AF-RHMW12A- WGN01LF-2301W1	AF-RHMW12A- WGN01LF-2301W2	AF-RHMW12A- WGN01LF-2301W3	AF-RHMW12A- WGN01LF-2301W4	AF-RHMW12A- WGN01LF-2301W5	
				2023-01-10	2023-01-17	2023-01-30	2023-01-04	2023-01-10	2023-01-17	2023-01-25	2023-01-30	
				FD (Field Duplicate)	FD (Field Duplicate)	FD (Field Duplicate)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	
Method Group	Analyte	EPA RSL	DOH EAL									
Per- and polyfluoroalkyl substances (ppt)	Perfluorobutanesulfonic acid	600	602	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluorobutanoic acid (PFBA)	--	7260	ND	ND	ND	2.50	ND	ND	ND	ND	
	Perfluorodecanesulfonic acid (PFDS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluorodecanoic acid (PFDA)	--	4.01	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluorododecanesulfonic acid (PFDoS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluorododecanoic acid (PFDoA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoroheptanesulfonic acid (PFHpS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoroheptanoic acid (PFHpA)	--	40.1	ND	ND	ND	0.340	ND	ND	ND	ND	
	Perfluorohexanesulfonic acid	39	40.1	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluorohexanoic acid (PFHxA)	--	1000	1.30	1.10	1.20	1.60	1.20	1.20	1.30	1.50	
	Perfluorononanesulfonic acid (PFNS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluorononanoic acid (PFNA)	5.9	6.02	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluorooctanesulfonamide (PFOSA)	--	24.1	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluorooctanesulfonic acid (PFOS)	4	4.01	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluorooctanoic acid (PFOA)	6	6.02	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoropentanesulfonic acid (PFPeS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoropentanoic acid (PFPeA)	--	802	4.60	4.10	4.80	5.30	4.60	4.70	5.00	5.00	
	Perfluorotetradecanoic acid (PFTeDA)	--	134	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluorotridecanoic acid (PFTriDA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND	
	Perfluoroundecanoic acid (PFUnA)	--	10	ND	ND	ND	ND	ND	ND	ND	ND	
Synthetic Organic Compounds (ppm)	2-(2-Butoxyethoxy)ethanol	0.06	--	ND	ND	--	ND	ND	ND	ND	--	

# Groundwater Samples Collected in January 2023 from Monitoring Wells Surrounding Red Hill

**Summary of Chemistry Results  
Adit 6 - AFFF Release Response  
PFAS Sampling, Red Hill, JBPBH**

<b>Notes:</b>
ND = Not Detected
PPT = Parts per Trillion
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N (Grab, Resample) = Additional follow-up sample
FT (Field Triplicate) = Field Triplicate
FR (Field Replicate) = Field Replicate

Method Group	Analyte	EPA RSL	DOH EAL	RHMW16					RHMW17							
				Monitoring Well					Monitoring Well							
				Location ID:	Location Type:	Field Sample ID:	Sample Date:	Sample Type:	AF-RHMW16-WGN01LF-2301W1	AF-RHMW16-WGN01LF-2301W2	AF-RHMW16-WGN01LF-2301W3	AF-RHMW16-WGN01LF-2301W4	AF-RHMW16-WGN01LF-2301W5	AF-RHMW17-WGN01LF-2301W1	AF-RHMW17-WGN01LF-2301W2	AF-RHMW17-WGN01LF-2301W3
									N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Per- and polyfluoroalkyl substances (ppt)	11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	3-Perfluoropropyl propanoic acid (3:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	--	782	ND	ND	ND	ND	ND	ND	12.0	22.9	26.1				
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	N-Ethyl perfluorooctanesulfonamide (NEtFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	N-Ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	N-Methyl heptadecafluorooctanesulfonamide (NMeFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
	Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

# Groundwater Samples Collected in January 2023 from Monitoring Wells Surrounding Red Hill

**Summary of Chemistry Results  
Adit 6 - AFFF Release Response  
PFAS Sampling, Red Hill, JBPBH**

<b>Notes:</b>
ND = Not Detected
PPT = Parts per Trillion
PPB = Parts per Billion
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FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
FT (Field Triplicate) = Field Triplicate
FR (Field Replicate) = Field Replicate

Method Group	Analyte	EPA RSL	DOH EAL	Location ID:	RHMW16					RHMW17		
				Location Type:	Monitoring Well					Monitoring Well		
				Field Sample ID:	AF-RHMW16-WGN01LF-2301W1	AF-RHMW16-WGN01LF-2301W2	AF-RHMW16-WGN01LF-2301W3	AF-RHMW16-WGN01LF-2301W4	AF-RHMW16-WGN01LF-2301W5	AF-RHMW17-WGN01LF-2301W1	AF-RHMW17-WGN01LF-2301W2	AF-RHMW17-WGN01LF-2301W3
				Sample Date:	2023-01-04	2023-01-10	2023-01-17	2023-01-25	2023-02-02	2023-01-06	2023-01-13	2023-01-20
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Per- and polyfluoroalkyl substances (ppt)	Perfluorobutanesulfonic acid	600	602	ND	ND	ND	ND	ND	ND	0.200	ND	ND
	Perfluorobutanoic acid (PFBA)	--	7260	ND	ND	ND	ND	ND	ND	2.70	5.80	2.90
	Perfluorodecanesulfonic acid (PFDS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorodecanoic acid (PFDA)	--	4.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorododecanesulfonic acid (PFDoS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorododecanoic acid (PFDoA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroheptanesulfonic acid (PFHpS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroheptanoic acid (PFHpA)	--	40.1	ND	ND	ND	ND	ND	ND	0.720	0.960	ND
	Perfluorohexanesulfonic acid	39	40.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorohexanoic acid (PFHxA)	--	1000	ND	ND	ND	ND	ND	ND	2.00	3.60	2.90
	Perfluorononanesulfonic acid (PFNS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorononanoic acid (PFNA)	5.9	6.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorooctanesulfonamide (PFOSA)	--	24.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorooctanesulfonic acid (PFOS)	4	4.01	0.380	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorooctanoic acid (PFOA)	6	6.02	0.200	ND	ND	ND	ND	ND	0.410	ND	ND
	Perfluoropentanesulfonic acid (PFPeS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoropentanoic acid (PFPeA)	--	802	ND	ND	ND	ND	ND	ND	4.90	8.60	5.70
	Perfluorotetradecanoic acid (PFTeDA)	--	134	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorotridecanoic acid (PFTriDA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroundecanoic acid (PFUnA)	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppm)	2-(2-Butoxyethoxy)ethanol	0.06	--	ND	ND	ND	ND	--	ND	ND	ND	

# Groundwater Samples Collected in January 2023 from Monitoring Wells Surrounding Red Hill

**Summary of Chemistry Results  
Adit 6 - AFFF Release Response  
PFAS Sampling, Red Hill, JBPBH**

<b>Notes:</b>
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FT (Field Triplicate) = Field Triplicate
FR (Field Replicate) = Field Replicate

Method Group	Analyte	EPA RSL	DOH EAL	RHMW17 Monitoring Well		RHMW17D Monitoring Well				RHMW2254-01 Monitoring Well			
				Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:	Sample Date:	Sample Type:	Field Sample ID:
Per- and polyfluoroalkyl substances (ppt)	11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Perfluoropropyl propanoic acid (3:3FTCA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	--	782	14.8	5.40	2.70	ND	22.6	6.40	25.6	ND	ND	ND
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamide (NEIFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEIFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamidoethanol (NEIFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl heptadecafluorooctanesulfonamide (NMeFOSA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

# Groundwater Samples Collected in January 2023 from Monitoring Wells Surrounding Red Hill

**Summary of Chemistry Results  
Adit 6 - AFFF Release Response  
PFAS Sampling, Red Hill, JBPBH**

<b>Notes:</b>
ND = Not Detected
PPT = Parts per Trillion
PPB = Parts per Billion
PPM = Parts per Million
§ - Exceeds Screening Level
-- = No Information Available
N (Normal) = Full compliance sample
FD (Field Duplicate) = Extra sample taken for quality control
N (Grab, Resample) = Additional follow-up sample
FT (Field Triplicate) = Field Triplicate
FR (Field Replicate) = Field Replicate

Method Group	Analyte	EPA RSL	DOH EAL	Location ID:	RHMW17		RHMW17D				RHMW2254-01	
				Location Type:	Monitoring Well		Monitoring Well				Monitoring Well	
				Field Sample ID:	AF-RHMW17- WGN01LF-2301W4	AF-RHMW17- WGN01LF-2301W5	AF-RHMW17D- WGN01LF-2301W1	AF-RHMW17D- WGN01LF-2301W2	AF-RHMW17D- WGN01LF-2301W3	AF-RHMW17D- WGN01LF-2301W4	AF-RHMW17D- WGN01LF-2301W5	AF-RHMW225401- WGN01B-2301W1
				Sample Date:	2023-01-27	2023-02-01	2023-01-06	2023-01-13	2023-01-20	2023-01-27	2023-02-01	2023-01-05
				Sample Type:	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)	N (Normal)
Per- and polyfluoroalkyl substances (ppt)	Perfluorobutanesulfonic acid	600	602	ND	ND	ND	ND	ND	ND	ND	ND	0.660
	Perfluorobutanoic acid (PFBA)	--	7260	2.80	ND	ND	ND	ND	ND	ND	ND	0.600
	Perfluorodecanesulfonic acid (PFDS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorodecanoic acid (PFDA)	--	4.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorododecanesulfonic acid (PFDoS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorododecanoic acid (PFDoA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroheptanesulfonic acid (PFHpS)	--	20.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroheptanoic acid (PFHpA)	--	40.1	ND	ND	ND	ND	ND	ND	ND	ND	0.750
	Perfluorohexanesulfonic acid	39	40.1	ND	ND	ND	ND	ND	ND	ND	ND	1.10
	Perfluorohexanoic acid (PFHxA)	--	1000	3.40	2.00	ND	ND	ND	ND	ND	ND	0.960
	Perfluorononanesulfonic acid (PFNS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorononanoic acid (PFNA)	5.9	6.02	ND	ND	ND	ND	ND	ND	ND	ND	0.160
	Perfluorooctanesulfonamide (PFOSA)	--	24.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorooctanesulfonic acid (PFOS)	4	4.01	ND	ND	ND	ND	ND	ND	ND	ND	0.480
	Perfluorooctanoic acid (PFOA)	6	6.02	ND	ND	ND	ND	ND	ND	ND	ND	0.840
	Perfluoropentanesulfonic acid (PFPeS)	--	--	ND	ND	ND	ND	ND	ND	ND	ND	0.120
	Perfluoropentanoic acid (PFPeA)	--	802	6.20	4.50	ND	ND	ND	ND	ND	ND	1.20
	Perfluorotetradecanoic acid (PFTeDA)	--	134	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluorotridecanoic acid (PFTriDA)	--	13.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Perfluoroundecanoic acid (PFUnA)	--	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Synthetic Organic Compounds (ppm)	2-(2-Butoxyethoxy)ethanol	0.06	--	--	ND	ND	ND	ND	ND	--	ND	ND

# Groundwater Samples Collected in January 2023 from Monitoring Wells Surrounding Red Hill

**Summary of Chemistry Results  
Adit 6 - AFFF Release Response  
PFAS Sampling, Red Hill, JBP HH**

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Method Group	Analyte	EPA RSL	DOH EAL	Location ID:	RHMW2254-01 Monitoring Well		
				Location Type:			
				Field Sample ID:	AF-RHMW225401- WGN01B-2301W2	AF-RHMW225401- WGN01B-2301W3	AF-RHMW225401- WGN01B-2301W4
				Sample Date:	2023-01-11	2023-01-18	2023-01-26
				Sample Type:	N (Normal)	N (Normal)	N (Normal)
Per- and polyfluoroalkyl substances (ppt)	11-Chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	--	--	ND	ND	ND	ND
	2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	ND	ND	ND	ND
	3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	ND	ND	ND	ND
	3-Perfluoropropyl propanoic acid (3:3FTCA)	--	--	ND	ND	ND	ND
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	ND	ND	ND	ND
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	--	--	ND	ND	ND	ND
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	--	782	ND	ND	ND	ND
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	--	--	ND	ND	ND	ND
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	--	--	ND	ND	ND	ND
	Hexafluoropropylene oxide dimer acid (HFPO-DA)	6	6.02	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamide (NEFOSA)	--	--	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEFOSAA)	--	--	ND	ND	ND	ND
	N-Ethyl perfluorooctanesulfonamidoethanol (NEFOSE)	--	--	ND	ND	ND	ND
	N-Methyl heptadecafluorooctanesulfonamide (NMeFOSA)	--	--	ND	ND	ND	ND
	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	--	ND	ND	ND	ND
	N-Methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	--	--	ND	ND	ND	ND
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	ND	ND	ND	ND
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	--	--	ND	ND	ND	ND
	Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	ND	ND	ND	ND
	Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	ND	ND	ND	ND

# Groundwater Samples Collected in January 2023 from Monitoring Wells Surrounding Red Hill

**Summary of Chemistry Results  
Adit 6 - AFFF Release Response  
PFAS Sampling, Red Hill, JBP HH**

<b>Notes:</b>
ND = Not Detected
PPT = Parts per Trillion
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N (Normal) = Full compliance sample
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N (Grab, Resample) = Additional follow-up sample
FT (Field Triplicate) = Field Triplicate
FR (Field Replicate) = Field Replicate

				Location ID: RHMW2254-01		
				Location Type: Monitoring Well		
				Field Sample ID: AF-RHMW225401-WGN01B-2301W2	AF-RHMW225401-WGN01B-2301W3	AF-RHMW225401-WGN01B-2301W4
				Sample Date: 2023-01-11	2023-01-18	2023-01-26
				Sample Type: N (Normal)	N (Normal)	N (Normal)
Method Group	Analyte	EPA RSL	DOH EAL			
Per- and polyfluoroalkyl substances (ppt)	Perfluorobutanesulfonic acid	600	602	0.700	0.600	ND
	Perfluorobutanoic acid (PFBA)	--	7260	ND	ND	ND
	Perfluorodecanesulfonic acid (PFDS)	--	20.1	ND	ND	ND
	Perfluorodecanoic acid (PFDA)	--	4.01	ND	ND	ND
	Perfluorododecanesulfonic acid (PFDoS)	--	--	ND	ND	ND
	Perfluorododecanoic acid (PFDoA)	--	13.4	ND	ND	ND
	Perfluoroheptanesulfonic acid (PFHpS)	--	20.1	ND	ND	ND
	Perfluoroheptanoic acid (PFHpA)	--	40.1	0.800	0.540	ND
	Perfluorohexanesulfonic acid	39	40.1	1.60	1.10	1.00
	Perfluorohexanoic acid (PFHxA)	--	1000	1.00	0.880	0.860
	Perfluorononanesulfonic acid (PFNS)	--	--	ND	ND	ND
	Perfluorononanoic acid (PFNA)	5.9	6.02	ND	ND	ND
	Perfluorooctanesulfonamide (PFOSA)	--	24.1	ND	ND	ND
	Perfluorooctanesulfonic acid (PFOS)	4	4.01	1.10	1.10	ND
	Perfluorooctanoic acid (PFOA)	6	6.02	1.00	0.880	0.930
	Perfluoropentanesulfonic acid (PFPeS)	--	--	ND	ND	ND
	Perfluoropentanoic acid (PFPeA)	--	802	ND	1.00	ND
	Perfluorotetradecanoic acid (PFTeDA)	--	134	ND	ND	ND
	Perfluorotridecanoic acid (PFTrDA)	--	13.4	ND	ND	ND
	Perfluoroundecanoic acid (PFUnA)	--	10	ND	ND	ND
Synthetic Organic Compounds (ppm)	2-(2-Butoxyethoxy)ethanol	0.06	--	ND	ND	--