

**Summary of Chemistry Results
PFAS Sampling, Red Hill, JBP HH**

Drinking Water Samples collected in April 2023 from the Waiawa Shaft

Notes:
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

Method Group	Analyte	EPA MCL	Location ID:	SHFTWAIA-CP-PT
Field Test (ppb)	Free Chlorine	4000	Location Type:	Well
Metals (ppb)	Lithium		Field Sample ID:	SHAFT-HW-0016021-23108-3-N SHAFT-HW-0016021-23108-N
Per- and Polyfluoroalkyl Substances (EPA 533) (ppt)	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		Sample Date:	2023-04-18 2023-04-18
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		Sample Type:	FD (Field Duplicate) N (Normal)
	4:2 Fluorotelomer sulfonic acid (4:2 FTS)			
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)			
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)			
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)			
	Hexafluoropropylene oxide dimer acid (HFPO-DA)			
	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)			
	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)			
	Perfluoro-3-methoxypropanoic acid (PFMPA)			
	Perfluoro-4-methoxybutanoic acid (PFMBA)			
	Perfluorobutanesulfonic acid (PFBS)			
	Perfluorobutanoic acid (PFBA)			
	Perfluorodecanoic acid (PFDA)			
	Perfluorododecanoic acid (PFDoA)			
	Perfluoroheptanesulfonic acid (PFHpS)			
	Perfluoroheptanoic acid (PFHpA)			
	Perfluorohexanesulfonic acid (PFHxS)			
	Perfluorohexanoic acid (PFHxA)			
	Perfluorononanoic acid (PFNA)			
	Perfluorooctanesulfonic acid (PFOS)	4		
	Perfluorooctanoic acid (PFOA)	4		
	Perfluoropentanesulfonic acid (PFPeS)			
	Perfluoropentanoic acid (PFPeA)			

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Method Group	Analyte	EPA MCL	Location ID:	Location Type:	Field Sample ID:	Sample Date:	Sample Type:
			SHFTWAIA-CP-PT	Well			
			SHAFT-HW-0016021-23108-3-N		SHAFT-HW-0016021-23108-N	2023-04-18	2023-04-18
			FD (Field Duplicate)		N (Normal)		
Per- and Polyfluoroalkyl Substances (EPA 537 1) (ppt)	Perfluoroundecanoic acid (PFUnA)						
	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)						
	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)						
	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)						
	Hexafluoropropylene oxide dimer acid (HFPO-DA)						
	N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)						
	N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)						
	Perfluorobutanesulfonic acid (PFBS)						
	Perfluorodecanoic acid (PFDA)						
	Perfluorododecanoic acid (PFDoA)						
	Perfluoroheptanoic acid (PFHpA)						
	Perfluorohexanesulfonic acid (PFHxS)						
	Perfluorohexanoic acid (PFHxA)						
	Perfluorononanoic acid (PFNA)						
	Perfluorooctanesulfonic acid (PFOS)	4					
	Perfluorooctanoic acid (PFOA)	4					
	Perfluorotetradecanoic acid (PFTeDA)						
	Perfluorotridecanoic acid (PFTrDA)						
	Perfluoroundecanoic acid (PFUnA)						