

Red Hill Shaft Drinking Water Analytical Results													Sample Collection Dates																		
EPA Method	Analyte Name/Parameters	Screening Criteria		Method							Sampling Location	Sample Collection Dates																			
		Value	Basis	ALS (prior to 10/13/20)		APPL (10/13/20 onwards)			Energy Labs (03/19/21 onwards)			Weck (SVOCs only, 11/12/20 onwards)		06/18/20	06/24/20	06/29/20	07/08/20	07/15/20	07/22/20	07/29/20	08/05/20	08/12/20	09/02/20	10/13/20	11/12/20	12/16/2020	1/26/2021	02/23/21	3/24/2021	4/21/2021	
				Detection Limit (MDL)	Reporting Limit (MRL)	LOQ	LOD	DL	LOQ	LOD		DL	LOQ	LOD	DL	RL															
EPA Method 8015C Total Petroleum Hydrocarbons (TPH)																															
Sample Identification													360-001 (pre-chlorination)	K2005164-002	K2005297-002	K2005423	K2005798-002	K2006010	K2006231	K2006462-001	K2006726-001	K2006976-001	K2007617-002	ERH1201	ERH1204	ERH1208	ERH1256	ERH1286	ERH1294	ERH1355	
8015C	TPH-d (C8-C18)(ug/L)	400	EAL	50	50	320	300.0	150.0	300	120	38	-	360-011 (post-chlorination)	<53 U	<53 U	<50 U	<50 U	<50 U	<50 U	<50 U	<50 U	<300 U	ERH1202	ERH1205	ERH1209	ERH1257	ERH1287	ERH1295	ERH1356		
8015C	TPH-d (C10-C25)(ug/L)	400	EAL	11	50	320	300.0	150.0	300	120	48	-	360-001 (pre-chlorination)	13 J	12	<11 U	<11 U	<11 U	<11 U	<11 U	<11 U	<300 U	ERH1202	ERH1205	ERH1209	ERH1257	ERH1287	ERH1295	ERH1356		
8015C	TPH-d (C10-C24)(ug/L)	400	EAL	11	50	320	300.0	150.0	300	120	48	-	360-011 (post-chlorination)	19 J	12 J	30	13	14 J	15 J	65	29 J	<300 U	ERH1202	ERH1205	ERH1209	ERH1257	ERH1287	ERH1295	ERH1356		
													360-001 (pre-chlorination)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
													360-011 (post-chlorination)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
EPA Method 200.8 Lead																															
Sample Identification													360-001 (pre-chlorination)	X	X	X	X	K2006010	K2006231	K2006462-001	K2006726-001	K2006976-001	K2007617-002	ERH1201	ERH1204	ERH1208	ERH1256	ERH1286	ERH1294	ERH1355	
200.8	LEAD (ug/L)	15	MCL	0.006	1.0	0.2	0.18	0.09	-	-	-	-	360-011 (post-chlorination)	0.2	0.18	0.09	0.025	<0.007 U	0.009 J	0.006 J	<0.007 U	0.02 J	<0.18 U	0.16 J	0.13 J	0.090 J	0.093 J	<0.18 U	<0.18 U		
													360-011 (post-chlorination)	X	X	X	X	0.051	<0.007 U	0.231	0.181	0.047	0.6 J	0.40	0.66	0.65	0.33	2.1	1.5 J	0.17 J	
SM5310C, SM5310B, and EPA Method 9060A Dissolved Organic Carbon (DOC) & Non-Volatile DOC																															
Sample Identification													360-001 (pre-chlorination)	X	X	X	X	K2006010	K2006231	K2006462-001	K2006726-001	K2006976-001	K2007617-002	ERH1201	ERH1204	ERH1208	ERH1256	ERH1286	ERH1294	ERH1355	
5310C, 5310B, 9060A ²	DOC & NVDOC (ug/L)	-	-	70	500.00	500	350	130	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<70 U	<70 U	<70 U	<70 U	<70 U	1,400	770	430 J	240 J	110	370 J	270 J		
													360-011 (post-chlorination)	X	X	X	X	X	X	<70 U	<70 U	<70 U	<70 U	<70 U	1,400	250 J	450 J	200 J	260 J	980	340 J
EPA Method 524.2 Volatile Organic Carbons																															
Sample Identification													360-001 (pre-chlorination)	X	X	X	X	K2006010	K2006231	K2006462X001	K2006726X001	K2006976X001	K2007617X002	ERH1201	ERH1204	ERH1208	ERH1256	ERH1286	ERH1294	ERH1355	
524.2	1,1,1,2-TETRACHLOROETHANE (ug/L)	-	-	0.029	0.50	0.50	0.12	0.03	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U		
524.2	1,1,1-TRICHLOROETHANE (ug/L)	200	MCL	0.039	0.50	0.50	0.16	0.04	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.039 U	<0.039 U	<0.039 U	<0.039 U	<0.039 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U		
524.2	1,1,2,2-TETRACHLOROETHANE (ug/L)	-	-	0.038	0.50	0.50	0.24	0.06	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.038 U	<0.038 U	<0.038 U	<0.038 U	<0.038 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U		
524.2	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (ug/L)	-	-	-	-	0.50	0.04	0.02	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	X	X	X	X	<0.04 U	<0.04 U	<0.04 U	<0.04 U	<0.04 U	<0.04 U	<0.04 U	<0.04 U		
524.2	1,1,2-TRICHLOROETHANE (ug/L)	5	MCL	0.060	0.50	0.50	0.32	0.08	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.060 U	<0.32 U	<0.32 U	<0.32 U	<0.32 U	<0.32 U	<0.32 U	<0.32 U		
524.2	1,1-DICHLOROETHANE (ug/L)	-	-	0.043	0.50	0.50	0.08	0.02	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.043 U	<0.043 U	<0.043 U	<0.043 U	<0.043 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U		
524.2	1,1-DICHLOROETHANE (ug/L)	7	MCL	0.066	0.50	0.50	0.16	0.04	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.066 U	<0.066 U	<0.066 U	<0.066 U	<0.066 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U		
524.2	1,1-DICHLOROPROPENE (ug/L)	-	-	0.050	0.50	0.5	0.24	0.06	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U		
524.2	1,2,3-TRICHLOROBENZENE (ug/L)	-	-	0.035	0.50	0.5	0.24	0.06	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.035 U	<0.035 U	<0.035 U	<0.035 U	<0.035 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U		
524.2	1,2,3-TRICHLOROPROPANE (ug/L)	-	-	0.13	0.50	0.5	0.36	0.09	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.36 U	<0.36 U	<0.36 U	<0.36 U	<0.36 U	<0.36 U	<0.36 U		
524.2	1,2,4-TRICHLOROBENZENE (ug/L)	70	MCL	0.025	0.50	0.5	0.20	0.05	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.025 U	<0.025 U	<0.025 U	<0.025 U	<0.025 U	0.03 J	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U		
524.2	1,2,4-TRIMETHYLBENZENE (ug/L)	-	-	0.032	0.50	0.5	0.45	0.15	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	0.27 J	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U	<0.45 U		
524.2	1,2-DIBROMO-3-CHLORO-PROPANE (DBCP) (ug/L)	0.2	MCL	0.21	0.01	1.0	0.92	0.23	-	-	-	-	360-001 (pre-chlorination)	X	X	X	X	<0.21 U	<0.21 U	<0.21 U	<0.21 U	<0.21 U	<0.92 U	<0.92 U	<0.92 U	<0.92 U	<0.92 U	<0.92 U	<0.92 U		
524.2	1,2-DIBROMOETHANE (EDB)(ug/L)	0.05	MCL	0.040	0.02	0.5	0.20	0.05	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U		
524.2	1,2-DICHLOROBENZENE (ug/L)	600	MCL	0.032	0.50	0.5	0.12	0.03	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U		
524.2	1,2-DICHLOROETHANE (ug/L)	5	MCL	0.029	0.50	0.5	0.16	0.04	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U		
524.2	1,2-DICHLOROPROPANE (ug/L)	5	MCL	0.037	0.50	0.5	0.24	0.06	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.037 U	<0.037 U	<0.037 U	<0.037 U	<0.037 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U	<0.24 U		
524.2	1,3,5-TRIMETHYLBENZENE (ug/L)	-	-	0.023	0.50	0.5	0.08	0.02	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.023 U	<0.023 U	<0.023 U	<0.023 U	<0.023 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U		
524.2	1,3-DICHLOROBENZENE (ug/L)	-	-	0.021	0.50	0.5	0.12	0.03	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.021 U	<0.021 U	<0.021 U	<0.021 U	<0.021 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U		
524.2	1,3-DICHLOROPROPANE (ug/L)	-	-	0.035	0.50	0.5	0.16	0.04	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.035 U	<0.035 U	<0.035 U	<0.035 U	<0.035 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U		
524.2	1,4-DICHLOROBENZENE (ug/L)	75	MCL	0.026	0.50	0.5	0.12	0.03	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.026 U	<0.026 U	<0.026 U	<0.026 U	<0.026 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U		
524.2	2,2-DICHLOROPROPANE (ug/L)	-	-	0.049	0.50	0.5	0.16	0.04	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.049 U	<0.049 U	<0.049 U	<0.049 U	<0.049 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U		
524.2	2-CHLOROTOLUENE (ug/L)	-	-	0.029	0.50	0.5	0.12	0.03	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.029 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U		
524.2	4-CHLOROTOLUENE (ug/L)	-	-	0.028	0.50	0.5	0.08	0.02	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.028 U	<0.028 U	<0.028 U	<0.028 U	<0.028 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U	<0.08 U		
524.2	BENZENE (ug/L)	5	MCL	0.032	0.50	0.5	0.12	0.03	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.032 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U	<0.12 U		
524.2	BROMOBENZENE (ug/L)	-	-	0.039	0.50	0.5	0.24	0.06	-	-	-	-	360-011 (post-chlorination)</																		

Sample ID	Sample Information			Method	Analyte Information								Detection Results															
	Compound	Units	Concentration		360-001 (pre-chlorination)	360-001 (post-chlorination)	360-011 (pre-chlorination)	360-011 (post-chlorination)	360-011 (pre-chlorination)	360-011 (post-chlorination)	360-011 (pre-chlorination)	360-011 (post-chlorination)	360-011 (pre-chlorination)	360-011 (post-chlorination)	360-011 (pre-chlorination)	360-011 (post-chlorination)	360-011 (pre-chlorination)	360-011 (post-chlorination)	360-011 (pre-chlorination)	360-011 (post-chlorination)	360-011 (pre-chlorination)	360-011 (post-chlorination)	360-011 (pre-chlorination)	360-011 (post-chlorination)	360-011 (pre-chlorination)	360-011 (post-chlorination)		
525.2	DIBENZO(A,H) ANTHRACENE (ug/L)		0.50	0.50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	DIETHYL PHTHALATE (ug/L)	0.1	0.20	0.20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	DIMETHOATE (ug/L)		0.20	0.20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	DIMETHYL PHTHALATE (ug/L)	1.0	2.0	2.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	DI-N-BUTYL PHTHALATE (ug/L)		1.0	2.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	DI-N-OCTYL PHTHALATE (ug/L)		0.50	0.50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	DIPHENAMID (ug/L)		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	DISULFOTON (ug/L)		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	ENDOSULFAN I (ug/L)		1.00	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	ENDOSULFAN II (ug/L)		0.20	0.20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	ENDOSULFAN SULFATE (ug/L)		0.20	0.20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	ENDRIN (ug/L)	2	MCL	0.01	0.20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	ENDRIN ALDEHYDE (ug/L)		0.20	0.20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	ENDRINE KEYTONE (ug/L)		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	EPTC (ug/L)		0.1	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	ETHION (ug/L)		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	FLUORANTHENE (ug/L)		0.50	0.50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	FLUORENE (ug/L)		0.2	0.50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	LINDANE (BHC - GAMMA) (ug/L)	0.2	MCL	0.02	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	GAMMA-CHLORDANE (ug/L)		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	HEPTACHLOR (ug/L)	0.4	MCL	0.04	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	HEPTACHLOR EPO-IDE (ug/L)	0.2	MCL	0.02	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	HE-ACHLOROBEZENNE (ug/L)	1	MCL	0.1	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	HE-ACHLOROCYCLO-PENTADIENE (ug/L)	50	MCL	0.1	1.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	INDENO (1,2,3-CD) PYRENE (ug/L)		0.50	0.50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	METHO-YCHLOR (ug/L)	40	MCL	0.1	0.20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	METOLACHLOR (ug/L)		1.0	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	METRIBUZIN (ug/L)		0.2	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	MOLINATE (ug/L)		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	NAPHTHALENE (ug/L)		0.50	0.50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	PENTACHLORONITROBENZENE (PCNB) (ug/L)		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	PENTACHLOROPHENOL (ug/L)		1.00	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	PHENANTHRENE (ug/L)		0.2	0.50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	PROMETON (ug/L)		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	PROPACHLOR (ug/L)		0.20	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	PYRENE (ug/L)		0.2	0.50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	SIMAZINE (ug/L)	4	MCL	0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	TERBACH (ug/L)		0.1	2.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	THIOBENCARB		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	TRIFLURALIN		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
525.2	TRITHION		0.10	0.10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

EPA Method 508.1 Chlorinated Pesticides, Herbicides, and Organohalides

Sample Identification					360-001 (pre-chlorination)	360-011 (post-chlorination)	360-001 (pre-chlorination)	360-011 (post-chlorination)	360-001 (pre-chlorination)	360-011 (post-chlorination)	360-001 (pre-chlorination)	360-011 (post-chlorination)	360-001 (pre-chlorination)	360-011 (post-chlorination)	360-001 (pre-chlorination)	360-011 (post-chlorination)	360-001 (pre-chlorination)	360-011 (post-chlorination)	360-001 (pre-chlorination)	360-011 (post-chlorination)	360-001 (pre-chlorination)	360-011 (post-chlorination)
508.1	TO-APHENE (ug/L)	3	MCL	1.0	1.0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	COMMENTS																					
	* Visual/olfactory observations																					
	**DOH Notification - date																					

Yellow highlighted result indicate screening criterion e-ceedance.

not applicable or not available

ug/L micrograms per liter (parts per billion)

LOQ Limit of quantitation

LOD Limit of detection

DL detection level

EAL State of Hawaii Department of Health (DOH) Environmental Action Level (EAL) Table D-3a, Final Drinking Water Action Levels for Human Toxicity (DOH 2017)

EPA United States Environmental Protection Agency

MCL maximum contaminant level

mg/L milligrams per liter (parts per million)

ND Not Detected. A "ND" result indicates the analyte was analyzed for, but was not detected ("non-detect") at or above the Method Reporting Limit (MRL)/Maximum Contaminant Level (MCL). Non-detect results may also be flagged with a "U" qualifier in laboratory reports. DOD-QSM 4.2 definition of "U"

qualifier: Analyte was not detected and is reported as less than the Limit of Detection (LOD) or as defined by the project. The detection limit is adjusted for dilution.

Q See case narrative. One or more quality control criteria was outside the limits.
J estimated value
Q12 Sample pH did not meet test method requirements on arrival, pH adjusted to acceptable level in lab.
SVOC semivolatile organic carbon
TPH total petroleum hydrocarbon
VOC volatile organic carbon
X Analysis not performed on this sample
Z The chromatographic fingerprint does not resemble a petroleum product
N1 Method 8015C Semivolatile Range Organics by GC/FID, 07/21/2020: Sample 20-07208 (360-011) yielded a detection above the MRL for the range of TPHd (C8 - C18). However, the chromatographic fingerprint does not resemble a petroleum product.

N2 Method 8015C Semivolatile Range Organics by GC/FID: Sample 20-07412 (360-011) yielded a detection above the Method Reporting Limit (MRL) for the range of TPHd (C8 - C18). Note the chromatographic fingerprint does not resemble a petroleum product.

N3 Method 8015C Semivolatile Range Organics by GC/FID: Sample 20-07681 360-011 showed a detection above the MRL for the range of TPHd (C8 - C18). However, the chromatographic fingerprint does not resemble a petroleum product.

N4 Method 8015C Semivolatile Range Organics by GC/FID: Sample ERH1256 showed a detection below the MRL for the range of TPHd (C8 - C18). However, the chromatographic fingerprint does not resemble a petroleum product. Re-e-traction and reanalysis of the samples yielded non-detect results.

1 These methods convert organic carbon to carbon dio-ide in aqueous samples through chemical o-igation. Method 5310B and Method 5310C are derived from the Standard Methods for the E-amination of Water and Wastewater; Method 9060A is from EPA's SW-846 Test Methods, which has also been approved within the subcontract. All three methods are acceptable for use in testing for dissolved organic carbon. The three methods have variations in the reagents and process used to e-tract the organic carbon, which result in different reporting limits.

* Visual/olfactory observations
** Hawaii Revised Statutes, Chapter 340E-24 to inform the SDWB the first time a contaminant is detected instead of in Row 219 and below. Suggest this entry be the date the Navy informed SDWB.
*** MCL for o--ylene and m,p--ylene are based on total MCL for total -ylenes