PWS 360 - Red Hill Shaft Drinking Water Sampling Results

EPA Method	Analyte Name/Parameters	Screening Criteria Value	Screening Criteria Basis	Method: ALS (prior to 10/13/20) Detection Limit (MDL)	ALS (prior to 10/13/20) Reporting Limit (MRL)	APPL (10/13/20 onwards) LOQ	APPL LOD	APPL DL	Weck (SVOCs only, 11/12/20 onwards) DL	Weck RL	Sampling Location	Sample Collection Dates: 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	09/03/20	10/13/20
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
											360-011 (post-chlorination)	K2005164-001	K2005297-001	K2005426	K2005798-001	K2006012	K2006228	K2006462-002	K2006726-002	K2006976-002	K2007617-001	ERH1202
8015C	TPH-d (C8-C18)(ug/L)	400	EAL	50	50	320	300.0	150.0	-	-	360-001 (pre-chlorination)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
						320	300.0	150.0	-	-	360-011 (post-chlorination)	91	ND	200	ND	130	220	490	280	360	75	ND
8015C	TPH-d (C10-C25)(ug/L)	400	EAL	11	50	320	300.0	150.0	-	-	360-001 (pre-chlorination)	13	12	25	12	ND	ND	12	ND	ND	13	ND
						320	300.0	150.0	-	-	360-011 (post-chlorination)	19	12	30	13	14	15	65	29	35	17	ND
8015C	TPH-d (C10-C24)(ug/L)	400	EAL	11	50	320	300.0	150.0	-	-	360-001 (pre-chlorination)	X	X	X	X	X	X	X	X	X	X	ND
						320	300.0	150.0	-	-	360-011 (post-chlorination)	X	X	X	X	X	X	X	X	X	X	ND
EPA 200.8 Lead																						
	Sample Identification										360-001 (pre-chlorination)	X	X	X	X	K2006010	K2006231	K2006462-001	K2006726-001	K2006976-001	K2007617-002	ERH1201
											360-011 (post-chlorination)	X	X	X	X	K2006012	K2006228	K2006462-002	K2006726-002	K2006976-002	K2007617-001	ERH1202
200.8	LEAD (ug/L)	15	MCL	0.006	1.0	0.2	0.18	0.09	-	-	360-001 (pre-chlorination)	X	X	X	X	0.025	ND	0.009	0.006	ND	0.02	ND
						0.2	0.18	0.09	-	-	360-011 (post-chlorination)	X	X	X	X	0.051	0.239	0.231	0.181	0.047	0.6	0.40
SM5310C and 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
											360-011 (post-chlorination)	X	X	X	X	K2006012	K2006228	K2006462-002	K2006726-002	K2006976-002	K2007617-001	ERH1202
5310C, 9060A	DOC & NVDOC (mg/L)	-	-	0.5	0.50	0.93	0.350	0.130	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	1.4
						0.95	0.350	0.130	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	1.4
EPA Method 524.2 Volatile Organic Carbons																						
	Sample Identification										360-001 (pre-chlorination)	X	X	X	X	K2006010	K2006231	K2006462-001	K2006726-001	K2006976-001	K2007617-002	ERH1201
											360-011 (post-chlorination)	X	X	X	X	K2006012	K2006228	K2006462-002	K2006726-002	K2006976-002	K2007617-001	ERH1202
524.2	BENZENE (ug/L)	5	MCL	0.032	0.50	0.5	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	BROMOBENZENE (ug/L)	-	-	0.039	0.50	0.5	0.24	0.06	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.24	0.06	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	BROMOCHLOROMETHANE (ug/L)	-	-	0.038	0.50	0.5	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.12	0.03	--	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	BROMODICHLOROMETHANE (ug/L)	80	MCL	0.039	0.50	0.5	0.08	0.02	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.08	0.02	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	BROMOFORM (ug/L)	80	MCL	0.072	0.50	0.5	0.20	0.05	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.20	0.05	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	0.090	ND	ND
524.2	BROMOMETHANE (ug/L)	-	-	0.043	0.50	0.5	0.40	0.10	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	0.050	ND	ND	ND
						0.5	0.40	0.10	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	N-BUTYLBENZENE (ug/L)	-	-	0.041	0.50	0.5	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	SEC-BUTYLBENZENE (ug/L)	-	-	0.048	0.50	0.5	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	TERT-BUTYLBENZENE (ug/L)	-	-	0.040	0.50	0.5	0.47	0.23	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.47	0.23	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	CARBON TETRACHLORIDE (ug/L)	5	MCL	0.073	0.50	0.2	0.18	0.06	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.2	0.18	0.06	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	CHLOROBENZENE (ug/L)	100	MCL	0.020	0.50	0.5	0.20	0.05	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.20	0.05	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	CHLOROETHANE (ug/L)	-	-	0.15	0.50	0.5	0.40	0.14	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.40	0.14	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	CHLOROFORM (ug/L)	80	MCL	0.070	0.50	0.5	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	CHLOROMETHANE (ug/L)	-	-	0.055	0.50	0.5	0.20	0.05	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	0.070	ND
						0.5	0.20	0.05	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	0.080	ND
524.2	2-CHLOROTOLUENE (ug/L)	-	-	0.029	0.50	0.5	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	4-CHLOROTOLUENE (ug/L)	-	-	0.028	0.50	0.5	0.08	0.02	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.08	0.02	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (ug/L)	0.04	MCL	0.21	0.01	2.0	0.92	0.23	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						2.0	0.92	0.23	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	DIBROMOCHLOROMETHANE (THM) (ug/L)	80	MCL	0.027	0.50	0.5	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,2-DIBROMOETHANE (EDB)(ug/L)	0.05	MCL	0.040	0.02	0.5	0.20	0.05	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.20	0.05	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	DIBROMOMETHANE (ug/L)	-	-	0.052	0.50	0.5	0.32	0.08	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.32	0.08	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,2-DICHLOROBENZENE (ug/L)	600	MCL	0.032	0.50	0.5	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,3-DICHLOROBENZENE (ug/L)	-	-	0.021	0.50	0.5	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,4-DICHLOROBENZENE (ug/L)	75	MCL	0.026	0.50	0.5	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	DICHLORODIFLUOROMETHANE (ug/L)	-	-	0.048	0.50	0.5	0.36	0.09	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.36	0.09	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,1-DICHLOROETHANE (ug/L)	-	-	0.043	0.50	0.50	0.08	0.02	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.50	0.08	0.02	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,2-DICHLOROETHANE (ug/L)	5	MCL	0.029	0.50	0.5	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,1-DICHLOROETHENE (ug/L)	7	MCL	0.066	0.50	0.50	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.50	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	CIS-1,2-DICHLOROETHENE (ug/L)	70	MCL	0.032	0.50	0.50	0.80	0.02	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.50	0.80	0.02	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	TRANS-1,2-DICHLOROETHENE (ug/L)	100	MCL	0.032	0.50	0.5	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,2-DICHLOROPROPANE (ug/L)	5	MCL	0.037	0.50	0.5	0.24	0.06	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.24	0.06	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,3-DICHLOROPROPANE (ug/L)	-	-	0.035	0.50	0.5	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	2,2-DICHLOROPROPANE (ug/L)	-	-	0.049	0.50	0.5	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,1-DICHLOROPROPENE (ug/L)	-	-	0.050	0.50	0.5	0.24	0.06	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.24	0.06	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	CIS-1,3-DICHLOROPROPENE (ug/L)	-	-	0.033	0.50	0.5	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	TRANS-1,3-DICHLOROPROPENE (ug/L)	-	-	0.025	0.50	0.5	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	ETHYLBENZENE (ug/L)	700	MCL	0.035	0.50	0.5	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	HEXACHLOROBUTADIENE (ug/L)	-	-	0.052	0.50	0.5	0.20	0.05	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.20	0.05	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	ISOPROPYLBENZENE (ug/L)	-	-	0.045	0.50	0.5	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	P-ISOPROPYLTOLUENE (ug/L)	-	-	0.038	0.50	0.50	0.08	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.50	0.08	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	METHYLENE CHLORIDE (ug/L)	5	MCL	0.068	0.50	0.5	0.45	0.15	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.45	0.15	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	NAPHTHALENE (ug/L)	-	-	0.025	0.50	0.5	0.24	0.06	-	-	360-001 (pre-chlorination)	X	X	X	X	0.070	ND	ND	ND	ND	ND	ND
						0.5	0.24	0.06	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	0.030	ND	ND
524.2	N-PROPYLBENZENE (ug/L)	-	-	0.029	0.50	0.5	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	STYRENE (ug/L)	100	MCL	0.020	0.50	0.5	0.24	0.06	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.24	0.06	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,1,1,2-TETRACHLOROETHANE (ug/L)	-	-	0.029	0.50	0.50	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.50	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,1,2,2-TETRACHLOROETHANE (ug/L)	-	-	0.038	0.50	0.50	0.24	0.06	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.50	0.24	0.06	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	TETRACHLOROETHENE (ug/L)	5	MCL	0.058	0.50	0.20	0.20	0.05	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.20	0.20	0.05	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	TOLUENE (ug/L)	1000	MCL	0.034	0.50	0.5	0.40	0.10	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.40	0.10	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,2,3-TRICHLOROBENZENE (ug/L)	-	-	0.035	0.50	0.5	0.24	0.06	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.24	0.06	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,2,4-TRICHLOROBENZENE (ug/L)	70	MCL	0.025	0.50	0.5	0.20	0.05	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	0.030	ND
						0.5	0.20	0.05	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	0.030	ND
524.2	1,1,1-TRICHLOROETHANE (ug/L)	200	MCL	0.039	0.50	0.50	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.50	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,1,2-TRICHLOROETHANE (ug/L)	5	MCL	0.060	0.50	0.50	0.32	0.08	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.50	0.32	0.08	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	TRICHLOROETHENE (ug/L)	5	MCL	0.049	0.50	0.20	0.12	0.03	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.20	0.12	0.03	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	TRICHLOROFLUOROMETHANE (ug/L)	-	-	0.070	0.50	0.5	0.20	0.05	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.20	0.05	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,2,3-TRICHLOROPROPANE (ug/L)	-	-	0.13	0.50	0.5	0.36	0.09	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.36	0.09	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,2,4-TRIMETHYLBENZENE (ug/L)	-	-	0.032	0.50	0.5	0.45	0.15	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	0.27	ND
						0.5	0.45	0.15	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	1,3,5-TRIMETHYLBENZENE (ug/L)	-	-	0.023	0.50	0.5	0.08	0.02	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.08	0.02	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	VINYL CHLORIDE (ug/L)	2	MCL	0.056	0.50	0.5	0.16	0.04	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
						0.5	0.16	0.04	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	ND
524.2	O-XYLENE (ug/L)	10,000	MCL ***	0.025	0.50	-	-	-	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
524.2	M,P-XYLENES (ug/L)	10,000	MCL ***	0.052	0.50	-	-	-	-	-	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	-	-	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
524.2	XYLENES, TOTAL (ug/L)	10,000	MCL	0.11	0.50	0.5	0.44	0.11	-	-	360-001 (pre-chlorination)	X	X	X	X	X	X	X	X	X	X	ND
						0.5	0.44	0.11	-	-	360-011 (post-chlorination)	X	X	X	X	X	X	X	X	X	X	ND
EPA Method 525.2 Semivolatile Organic Carbons																						
	Sample Identification										360-001 (pre-chlorination)	X	X	X	X	K2006547	K2006550	K2006551 (411)	K2006736 (691)	K2006975-001	K2007617-002	X
											360-011 (post-chlorination)	X	X	X	X	K2006548	K2006549	K2006551 (412)	K2006736 (692)	K2006975-002	K2007617-001	X
525.2	ENDRIN (ug/L)	2	MCL	0.01	0.20	-	-	-	0.19	0.20	360-001 (pre-chlorination)	X	X	X	X	ND Q12	ND Q12	ND	ND	ND Q12	ND	X
						-	-	-	0.19	0.20	360-011 (post-chlorination)	X	X	X	X	ND	ND Q12	ND	ND	ND Q12	ND	X
525.2	LINDANE (BHC - GAMMA) (ug/L)	0.2	MCL	0.02	0.10	-	-	-	0.090	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.090	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	METHOXYCHLOR (ug/L)	40	MCL	0.1	0.20	-	-	-	0.11	0.20	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.11	0.20	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	ALACHLOR (ug/L)	2	MCL	0.2	0.10	-	-	-	0.030	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.030	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	ATRAZINE (ug/L)	3	MCL	0.1	0.10	-	-	-	0.030	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.030	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	BENZO(A)PYRENE (ug/L)	0.2	MCL	0.02	0.10	-	-	-	0.020	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.020	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	DI(ETHYLHEXYL)-ADIPATE (ug/L)	400	MCL	0.6	5.0	-	-	-	0.1	5.0	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.1	5.0	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	DI(ETHYLHEXYL)-PHTHALATE (ug/L)	6	MCL	0.6	3.0	-	-	-	0.4	3.0	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.4	3.0	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	HEPTACHLOR (ug/L)	0.4	MCL	0.04	0.10	-	-	-	0.080	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.080	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	HEPTACHLOR EPOXIDE (ug/L)	0.2	MCL	0.02	0.10	-	-	-	0.090	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.090	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	HEXACHLOROBENZENE (ug/L)	1	MCL	0.1	0.10	-	-	-	0.10	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.10	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	HEXACHLOROCYCLO-PENTADIENE (ug/L)	50	MCL	0.1	1.0	-	-	-	0.080	1.0	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.080	1.0	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	SIMAZINE (ug/L)	4	MCL	0.07	0.10	-	-	-	0.020	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.020	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	ALDRIN (ug/L)	-	-	0.1	0.10	-	-	-	0.090	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.090	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	BUTACHLOR (ug/L)	-	-	0.4	0.10	-	-	-	0.030	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.030	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	DIELDRIN (ug/L)	-	-	0.1	0.20	-	-	-	0.11	0.20	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.11	0.20	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	METOLACHLOR (ug/L)	-	-	1.0	0.10	-	-	-	0.030	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.030	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	METRIBUZIN (ug/L)	-	-	0.2	0.10	-	-	-	0.030	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.030	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	PROPACHLOR (ug/L)	-	-	0.1	0.20	-	-	-	0.17	0.20	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.17	0.20	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	FLUORENE (ug/L)	-	-	0.2	0.50	-	-	-	0.090	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.090	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	BROMACIL (ug/L)	-	-	0.2	0.50	-	-	-	0.16	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.16	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	TERBACIL (ug/L)	-	-	0.1	2.0	-	-	-	0.090	2.0	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.090	2.0	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	EPTC (ug/L)	-	-	0.1	0.10	-	-	-	0.020	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.020	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	MOLINATE (ug/L)	-	-	0.1	0.10	-	-	-	0.030	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.030	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	4,4-DDD (ug/L)	-	-	0.1	0.10	-	-	-	0.080	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.080	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	4,4-DDE (ug/L)	-	-	0.1	0.20	-	-	-	0.12	0.20	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.12	0.20	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	4,4-DDT (ug/L)	-	-	0.1	0.10	-	-	-	0.090	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.090	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	DIMETHYL PHTHALATE (ug/L)	-	-	1.0	2.0	-	-	-	0.080	2.0	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.080	2.0	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	TRIFLURALIN (ug/L)	-	-	0.1	0.10	-	-	-	0.10	0.10	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.10	0.10	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	ACENAPHTHYLENE (ug/L)	-	-	0.2	0.50	-	-	-	0.13	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.13	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	ANTHRACENE (ug/L)	-	-	0.2	0.50	-	-	-	0.12	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.12	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	BENZO(A)ANTHRACENE (ug/L)	-	-	0.2	0.50	-	-	-	0.16	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.16	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	BENZO(B)FLUORANTHENE (ug/L)	-	-	0.2	0.50	-	-	-	0.15	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.15	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	BENZO(K)FLUORANTHENE (ug/L)	-	-	0.2	0.50	-	-	-	0.15	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.15	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	CHRYSENE (ug/L)	-	-	0.2	0.50	-	-	-	0.24	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.24	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	FLUORANTHENE (ug/L)	-	-	0.2	0.50	-	-	-	0.11	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.11	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	PHENANTHRENE (ug/L)	-	-	0.2	0.50	-	-	-	0.050	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.050	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	PYRENE (ug/L)	-	-	0.2	0.50	-	-	-	0.11	0.50	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.11	0.50	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	BENZYL BUTYL PHTHALATE (ug/L)	-	-	1.0	2.0	-	-	-	0.16	2.0	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.16	2.0	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	DI-N-BUTYL PHTHALATE (ug/L)	-	-	1.0	2.0	-	-	-	0.35	2.0	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.35	2.0	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
525.2	DIETHYL PHTHALATE (ug/L)	-	-	1.0	2.0	-	-	-	0.080	2.0	360-001 (pre-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
						-	-	-	0.080	2.0	360-011 (post-chlorination)	X	X	X	X	ND	ND	ND	ND	ND	ND	X
EPA Method 508.1 Chlorinated Pesticides, Herbicides, and Organohalides																						
	Sample Identification										360-001 (pre-chlorination)	X	X	X	X	K2006547	X	K2006551 (411)	X	K2006975-001	X	X
											360-011 (post-chlorination)	X	X	X	X	K2006548	X	K2006551 (412)	X	K2006975-002	X	X
508.1	TOXAPHENE (ug/L)	3	MCL	1.0	1.0	X	X	X	-	-	360-001 (pre-chlorination)	X	X	X	X	X	X	X	X	ND	X	X
						X	X	X	-	-	360-011 (post-chlorination)	X	X	X	X	X	X	X	X	ND	X	X
	COMMENTS					X	X	X	-	-	360-001 (pre-chlorination)	-	-	-	-	N1	-	N2	X	N3	X	X
						X	X	X	-	-	360-011 (post-chlorination)											
	* Visual/olfactory observations	-	-	-	-	X	X	X	-	-	360-001 (pre-chlorination)	-	-	-	-	-	-	X	X	X	X	X
						X	X	X	-	-	360-011 (post-chlorination)	-	-	-	-	-	-	X	X	X	X	X
	**DOH Notification - date	-	-	-	-	X	X	X	-	-	360-001 (pre-chlorination)	-	-	-	-	-	-	X	X	X	X	X
						X	X	X	-	-	360-011 (post-chlorination)	-	-	-	-	-	-	X	X	X	X	X

Yellow highlighted result indicate screening criterion exceedance.

-	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
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.
*	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-xylene and m,p-xylene are based on total MCL for total xylenes