

SEARCHLIGHT WATER SYSTEM - WELL S-2 TREATMENT PLANT

2023 WATER QUALITY SUMMARY

SUBSTANCE	Average Value	MCL	UNITS		SUBSTANCE	Average Value	MCL	UNITS
ALKALINITY, as HCO ₃	146	N/A	ppm		1,2,4-TRICHLOROBENZENE	<0.5	70	ppb
ALPHA PARTICLES	N/A	15	pCi/L		1,1,1-TRICHLOROETHANE	<0.5	200	ppb
ALUMINUM	<5	200	ppb	(1)	1,1,2-TRICHLOROETHANE	<0.5	5	ppb
ANTIMONY	<0.4	6	ppb		1,1-DICHLOROETHYLENE	<0.5	7	ppb
ARSENIC	6	10	ppb		1,2-DICHLOROPROPANE	<0.5	5	ppb
BARIUM	<0.005	2	ppm		1,2-DICHLOROBENZENE	<0.5	600	ppb
BERYLLIUM	<0.4	4	ppb		1,2-DICHLOROETHANE	<0.5	5	ppb
BROMIDE	0.08	N/A	ppm		1,4-DICHLOROBENZENE	<0.5	75	ppb
CADMIUM	<0.5	5	ppb		2,3,7,8-TCDD (DIOXIN)	<0.005	0.03	ppt
CALCIUM	10	N/A	ppm		2,4-D	<0.1	70	ppb
CHLORIDE	19	400	ppm	(1)	ALACHLOR	<0.1	2	ppb
CHLORINE RESIDUAL (Dist. System)	0.9	4.0	ppm	(2)	ATRAZINE	<0.05	3	ppb
CHROMIUM	42	100	ppb		BENZENE	<0.5	5	ppb
COLIFORM, TOTAL	0	≤ 1	number samples positive per month		CARBOFURAN	<0.9	40	ppb
COLOR, TRUE	<1	15	PCU	(1)	CARBON TETRACHLORIDE	<0.5	5	ppb
CONDUCTIVITY	433	N/A	μS/cm		CHLORDANE	<0.1	2	ppb
COPPER	<0.005	1.0	ppm	(1)	CHLOROBENZENE	<0.5	100	ppb
CYANIDE	<25	200	ppb		cis-1,2-DICHLOROETHYLENE	<0.5	70	ppb
FLUORIDE	1.0	4.0	ppm		DALAPON	<1	200	ppb
		2.0	ppm	(1)	DI (2-ETHYLHEXYL) ADIPATE	<0.6	400	ppb
HALOACETIC ACIDS (Total Regulated)	3	60	ppb		DI (2-ETHYLHEXYL) PHTHALATE	<0.6	6	ppb
HARDNESS	49	N/A	ppm		DIBROMOCHLOROPROPANE	<0.02	0.2	ppb
	3		gpg		DICHLOROMETHANE	<0.5	5	ppb
IRON	<50	600	ppb	(1)	DINOSEB	<0.2	7	ppb
LEAD	<0.3	N/A	ppb		DIQUAT	<0.4	20	ppb
MAGNESIUM	6	150	ppm	(1)	ENDOTHALL	<5	100	ppb
MANGANESE	<5	100	ppb	(1)	ENDRIN	<0.01	2	ppb
MBAS	<100	500	ppb	(1)	ETHYLBENZENE	<0.5	700	ppb
MERCURY	<0.2	2	ppb		ETHYLENE DIBROMIDE	<0.01	0.05	ppb
MOLYBDENUM	<5	N/A	ppb		GLYPHOSATE	<6	700	ppb
NICKEL	<5	N/A	ppb		HEPTACHLOR EPOXIDE	<0.01	0.2	ppb
NITRATE (as NITROGEN)	3.5	10	ppm		HEPTACHLOR (H-34, HEPTOX)	<0.01	0.4	ppb
NITRITE (as NITROGEN)	<0.02	1	ppm		HEXACHLOROBENZENE	<0.05	1	ppb
ODOR	1	3	TON	(1)	HEXACHLOROCYCLOPENTADIENE	<0.05	50	ppb
pH	8.2	6.5 - 8.5	pH units	(1)	LINDANE	<0.01	0.2	ppb
POTASSIUM	3	N/A	ppm		METHOXYCHLOR	<0.05	40	ppb
RADIUM 226 AND RADIUM 228 (Combined)	N/A	5	pCi/L		MTBE	<0.5	N/A	ppb
SATURATION INDEX	0.1	N/A	N/A		OXAMYL (VYDATE)	<1	200	ppb
SELENIUM	2	50	ppb		PAHs (benzo(a)pyrene)	<0.02	0.2	ppb
SILICA	34	N/A	ppm		PENTACHLOROPHENOL	<0.04	1	ppb
SILVER	<5	100	ppb	(1)	PICLORAM	<0.1	500	ppb
SODIUM	67	N/A	ppm	(3)	POLYCHLORINATED BIPHENYLS	<0.1	0.5	ppb
SULFATE	22	500	ppm	(1)	SILVEX (2,4,5 - TP)	<0.2	50	ppb
TEMPERATURE	29.0	N/A	deg C		SIMAZINE	<0.05	4	ppb
THALLIUM	<0.2	2	ppb		STYRENE	<0.5	100	ppb
TOTAL DISSOLVED SOLIDS	256	1000	ppm	(1)	TETRACHLOROETHYLENE	<0.5	5	ppb
TRIHALOMETHANES (Total)	24	80	ppb		TOLUENE	<0.5	1000	ppb
TURBIDITY	0.19	N/A	NTU		TOXAPHENE	<0.5	3	ppb
URANIUM	7	30	ppb		trans-1,2-DICHLOROETHYLENE	<0.5	100	ppb
VANADIUM	24	N/A	ppb		TRICHLOROETHYLENE	<0.5	5	ppb
ZINC	<5	5000	ppb	(1)	VINYL CHLORIDE	<0.5	2	ppb
					XYLENES	<0.5	10,000	ppb

- (1) State of Nevada Secondary Standard
 (2) MRDL
 (3) Monitoring requirement only, no MCL

"<" - less than
 μS/cm - Micro Siemens per centimeter
 gpg - grains per gallon
 MCL - Maximum Contaminant Level Set by EPA
 MRDL - Maximum Residual Disinfectant Level
 N/A - Not applicable, No Standard Set

NTU - Nephelometric Turbidity Unit
 pCi/L - picocuries per liter
 PCU - Platinum Cobalt Units
 ppb - parts per billion
 ppm - parts per million
 TON - threshold odor number