

SEARCHLIGHT WATER SYSTEM - WELL S-1

2023 WATER QUALITY SUMMARY

SUBSTANCE	Average Value	MCL	UNITS		SUBSTANCE	Average Value	MCL	UNITS
ALKALINITY, as HCO3	213	N/A	ppm		1,2,4-TRICHLOROBENZENE	<0.5	70	ppb
ALPHA PARTICLES	4.8	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	1	10	ppb		1,2 DICHLOROPROPANE	<0.5	5	ppb
BARIUM	0.04	2	ppm		1,2 -DICHLOROBENZENE	<0.5	600	ppb
BERYLLIUM	<0.4	4	ppb		1,2-DICHLOROETHANE	<0.5	5	ppb
BROMIDE	0.5	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	110	N/A	ppm		2,4-D	<0.1	70	ppb
CHLORIDE	77	400	ppm	(1)	ALACHLOR	<0.1	2	ppb
CHLORINE RESIDUAL (Dist. System)	0.9	4.0	ppm	(2)	ATRAZINE	<0.05	3	ppb
CHROMIUM	<3	100	ppb		BENZENE	<0.5	5	ppb
COLIFORM, TOTAL	0	≤ 1	number samples positive per month		CARBOFURAN	<0.5	40	ppb
COLOR, TRUE	<1	15	PCU	(1)	CARBON TETRACHLORIDE	<0.5	5	ppb
CONDUCTIVITY	990	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	0.6	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	391	N/A	ppm		DIBROMOCHLOROPROPANE	<0.02	0.2	ppb
	23		gpg		DICHLOROMETHANE	<0.5	5	ppb
IRON	282	600	ppb	(1)	DINOSEB	<0.2	7	ppb
LEAD	0.3	N/A	ppb		DIQUAT	<0.4	20	ppb
MAGNESIUM	28	150	ppm	(1)	ENDOTHALL	<8	100	ppb
MANGANESE	8	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)	3.8	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	7.3	6.5 - 8.5	pH units	(1)	LINDANE	<0.01	0.2	ppb
POTASSIUM	2.4	N/A	ppm		METHOXYCHLOR	<0.05	40	ppb
RADIUM 226 AND					MTBE	<0.5	N/A	ppb
RADIUM 228 (Combined)	<1	5	pCi/L		OXAMYL (VYDATE)	<0.5	200	ppb
SATURATION INDEX	0.15	N/A	N/A		PAHs (benzo(a)pyrene)	<0.02	0.2	ppb
SELENIUM	12	50	ppb		PENTACHLOROPHENOL	<0.04	1	ppb
SILICA	37	N/A	ppm		PICLORAM	<0.1	500	ppb
SILVER	<5	100	ppb	(1)	POLYCHLORINATED BIPHENYLS	<0.1	0.5	ppb
SODIUM	48	N/A	ppm	(3)	SILVEX (2,4,5 - TP)	<0.2	50	ppb
SULFATE	170	500	ppm	(1)	SIMAZINE	<0.05	4	ppb
TEMPERATURE	21.9	N/A	deg C		STYRENE	<0.5	100	ppb
THALLIUM	<0.2	2	ppb		TETRACHLOROETHYLENE	<0.5	5	ppb
TOTAL DISSOLVED SOLIDS	599	1000	ppm	(1)	TOLUENE	<0.5	1000	ppb
TRIHALOMETHANES (Total)	24	80	ppb		TOXAPHENE	<0.5	3	ppb
TURBIDITY	1.1	N/A	NTU		trans-1,2 DICHLOROETHYLENE	<0.5	100	ppb
URANIUM	7	30	ppb		TRICHLOROETHYLENE	<0.5	5	ppb
VANADIUM	<5	N/A	ppb		VINYL CHLORIDE	<0.5	2	ppb
ZINC	11	5000	ppb	(1)	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