

BLUE DIAMOND WATER SYSTEM - SOUTH WELL

2023 WATER QUALITY SUMMARY

Data is from the Blue Diamond Distribution System and the Entry Points to Distribution System (Certain Teed Gypsum Company's South Well and the Blue Diamond Blending Tank)

SUBSTANCE	Average Value	MCL	UNITS		SUBSTANCE	Average Value	MCL	UNITS
ALKALINITY, as HCO ₃	195	N/A	ppm		1,2,4-TRICHLOROBENZENE	<0.5	70	ppb
ALPHA PARTICLES	3	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	0.8	10	ppb		1,2 DICHLOROPROPANE	<0.5	5	ppb
BARIUM	0.03	2	ppm		1,2 -DICHLOROBENZENE	<0.5	600	ppb
BERYLLIUM	<0.4	4	ppb		1,2-DICHLOROETHANE	<0.5	5	ppb
BROMIDE	83	N/A	ppb		1,4 -DICHLOROBENZENE	<0.5	75	ppb
CADMIUM	<0.5	5	ppb		2,3,7,8-TCDD (DIOXIN)	<0.005	0.03	ppt
CALCIUM	87	N/A	ppm		2,4-D	<0.1	70	ppb
CHLORIDE	9.3	400	ppm	(1)	ALACHLOR	<0.1	2	ppb
CHLORINE RESIDUAL (Dist. System)	0.9	4	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
					CARBON TETRACHLORIDE	<0.5	5	ppb
COLOR, TRUE	<1	15	PCU	(1)	CHLORDANE	<0.1	2	ppb
CONDUCTIVITY	756	N/A	μS/cm		CHLOROBENZENE	<0.5	100	ppb
COPPER	<0.005	1	ppm	(1)	cis-1,2-DICHLOROETHYLENE	<0.5	70	ppb
CYANIDE	<25	200	ppb		DALAPON	<1	200	ppb
FLUORIDE	0.2	4	ppm		DI (2-ETHYLHEXYL) ADIPATE	<0.6	400	ppb
		2	ppm	(1)	DI (2-ETHYLHEXYL) PHTHALATE	<0.6	6	ppb
HALOACETIC ACIDS (Total Regulated)	<1	60	ppb		DIBROMOCHLOROPROPANE	<0.01	0.2	ppb
HARDNESS	378	N/A	ppm		DICHLOROMETHANE	<0.5	5	ppb
	22		gpg		DINOSEB	<0.2	7	ppb
IRON	85	600	ppb	(1)	DIQUAT	<0.4	20	ppb
LEAD	<0.3	N/A	ppb		ENDOTHALL	<20	100	ppb
MAGNESIUM	39	150	ppm	(1)	ENDRIN	<0.01	2	ppb
MANGANESE	<5	100	ppb	(1)	ETHYLBENZENE	<0.5	700	ppb
MBAS	<100	500	ppb	(1)	ETHYLENE DIBROMIDE	<0.01	0.05	ppb
MERCURY	<0.2	2	ppb		GLYPHOSATE	<6	700	ppb
MOLYBDENUM	<5	N/A	ppb		HEPTACHLOR EPOXIDE	<0.01	0.2	ppb
NICKEL	<5	N/A	ppb		HEPTACHLOR (H-34, HEPTOX)	<0.01	0.4	ppb
NITRATE (as NITROGEN)	1	10	ppm		HEXACHLOROBENZENE	<0.05	1	ppb
NITRITE (as NITROGEN)	<0.02	1	ppm		HEXACHLOROCYCLOPENTADIENE	<0.05	50	ppb
ODOR	1	3	TON	(1)	LINDANE	<0.01	0.2	ppb
pH	7.6	6.5 - 8.5	pH units	(1)	METHOXYCHLOR	<0.05	40	ppb
POTASSIUM	1.8	N/A	ppm		MTBE	<0.5	N/A	ppb
RADIUM 226 AND RADIUM 228 (Combined)	<1	5	pCi/L		OXAMYL (VYDATE)	<0.5	200	ppb
SATURATION INDEX	0.29	N/A	N/A		PAHs (benzo(a)pyrene)	<0.02	0.2	ppb
SELENIUM	1	50	ppb		PENTACHLOROPHENOL	<0.04	1	ppb
SILICA	13	N/A	ppm		PICLORAM	<0.1	500	ppb
SILVER	<5	100	ppb	(1)	POLYCHLORINATED BIPHENYLS	<0.1	0.5	ppb
SODIUM	11	N/A	ppm	(3)	SILVEX (2,4,5 - TP)	<0.2	50	ppb
SULFATE	181	500	ppm	(1)	SIMAZINE	<0.05	4	ppb
TEMPERATURE	20.7	N/A	deg C		STYRENE	<0.5	100	ppb
THALLIUM	<0.2	2	ppb		TETRACHLOROETHYLENE	<0.5	5	ppb
TOTAL DISSOLVED SOLIDS	474	1000	ppm	(1)	TOLUENE	<0.5	1000	ppb
TRIHALOMETHANES (Total)	3	80	ppb		TOXAPHENE	<0.5	3	ppb
TURBIDITY	0.47	N/A	NTU		trans-1,2 DICHLOROETHYLENE	<0.5	100	ppb
URANIUM	2	30	ppb		TRICHLOROETHYLENE	<0.5	5	ppb
VANADIUM	<5	N/A	ppb		VINYL CHLORIDE	<0.5	2	ppb
ZINC	<5	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 ;

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