

Constituents of Concern in Sierra Valley Basin – All would be described in GSP Chapter 2 as Constituents of Concern (COCs)

Constituent	Maximum Threshold (MT)	Regulatory Threshold	Values 2011-2020 in Sierra Valley	Proposed Approach
Arsenic	5 µg/L, trigger only 9 µg/L, trigger only 10 µg/L, Max. Threshold (MT)	10 µg/L (Title 22, California Code of Regulations)	Non-Detect (ND) – 8.5 µg/L 13 wells, no exceedances	Monitor
Benzene	1 µg/L	1 µg/L (Title 22)	Non-Detect (ND) – 32 µg/L 31 wells, 2 with exceedances	Describe in Ch. 2 only
Boron	0.18 mg/L, trigger only 0.2 mg/L, MT	0.2 mg/L (Basin Plan)	ND – 1.7 mg/L 10 wells, 2 with exceedances	Monitor
Iron	150 µg/L, trigger only 270 µg/L, trigger only 300 µg/L, MT	300 µg/L (Secondary MCL - Title 22)	100 – 2,400 µg/L 13 wells, 3 with exceedances	Describe in Ch. 2 only
Manganese	25 µg/L, trigger only 45 µg/L, trigger only 50 µg/L, MT	50 µg/L (Secondary MCL - Title 22)	ND – 1,200 µg/L 13 wells, 4 with exceedances	Describe in Ch. 2 only
Nitrate as Nitrogen	5 µg/L, trigger only 9 µg/L, trigger only 10 µg/L, MT	10 µg/L (Title 22)	1 – 4.8 µg/L 28 wells, no exceedances	Monitor Set SMC (Sustainable Management Criteria)
pH	7.0-8.5, MT	7.0-8.5 (Basin Plan)	Not readily available	Monitor
Total Dissolved Solids	210 mg/L, trigger only 500 mg/L, MT	500mg/L (Secondary MCL - Title 22)	100 – 630 mg/L 15 wells, 2 above 500 mg/L	Monitor Set SMC (Sustainable Management Criteria)

µg = microgram (or 1/1000 of a milligram)
mg = milligram (or 1/1000 of a gram)

MT = Maximum Threshold
ND = Non-Detect