

Table 2.25. Constituents of Concern Detected in First Flush Sampling

Constituent of Concern	Sampling Location	Nov. 2001	Nov. 2002	Primary MCL Drinking Water	USEPA Recommended Ambient Water Quality Criteria	Description of USEPA Ambient Water Quality Criteria
Barium (mg/l)	Site 1	0.055	NS	1.0/2.0	-	None
	Site 2	<0.050	NS			
	Site 3	0.062	NS			
	Site 4	0.056	NS			
	Site 5	<0.050	NS			
	Site 6	<0.050	<0.010			
	Site 7	<0.050	<0.010			
	Site 8	0.059	<0.010			
	Site 9	0.16	NS			
	Site 9Alt		0.100			
Cadmium (mg/l)	Site 1	0.055	NS	0.005	0.0022/0.0043	Continuous concentration 4-day average/max. Conc. 1-Hr Average; Based on Hardness Hardness estimated at 100 mg/l as CaCO3
	Site 2	<0.050	NS			
	Site 3	0.062	NS			
	Site 4	0.056	NS			
	Site 5	<0.050	NS			
	Site 6	<0.050	0.010			
	Site 7	<0.050	<0.010			
	Site 8	0.059	<0.010			
	Site 9	<0.0050	NS			
	Site 9Alt		<0.010			
Tot. Chromium (mg/l)	Site 1	<0.0050	NS	0.050	0.085/0.586	Continuous concentration 4-day average/max. Conc. 1-Hr Average Chromium total = Cr (III) + Cr (VI); Based on Hardness Hardness estimated at 100 mg/l as CaCO3 Cr (III) = 74/570 µl Cr (VI) = 11/16 µl
	Site 2	<0.0050	NS			
	Site 3	<0.0050	NS			
	Site 4	<0.0050	NS			
	Site 5	<0.0050	NS			
	Site 6	<0.0050	<0.010			
	Site 7	<0.0050	<0.010			
	Site 8	<0.0050	<0.010			
	Site 9	0.017	NS			
	Site 9Alt		<0.010			
Copper (mg/l)	Site 1	0.0072	NS	1.30	0.009/0.013	Continuous concentration 4-day average/max. Conc. 1-Hr Average; Based on hardness Hardness estimated at 100 mg/l as CaCO3
	Site 2	0.0076	NS			
	Site 3	<0.0050	NS			
	Site 4	<0.0050	NS			
	Site 5	0.0050	NS			
	Site 6	0.0050	0.010			
	Site 7	<0.0050	0.012			
	Site 8	0.0072	<0.010			
	Site 9	0.024	NS			
	Site 9Alt		<0.010			
Vanadium (mg/l)	Site 1	<0.020	NS	0.050	-	California Dept. of Health and Safety Action Level
	Site 2	<0.020	NS			
	Site 3	<0.020	NS			
	Site 4	<0.020	NS			
	Site 5	<0.020	NS			
	Site 6	<0.020	<0.020			
	Site 7	<0.020	<0.020			
	Site 8	<0.020	<0.020			
	Site 9	0.028	NS			

Table 2.25. Constituents of Concern Detected in First Flush Sampling (continued)

	Site 9Alt		<0.020			
	Site 10	<0.020	<0.020			
Zinc (mg/l)	Site 1	0.018	NS	5.00	0.12/0.12	Continuous concentration 4-day average/max. Conc. 1-Hr Average; Based on hardness Hardness estimated at 100 mg/l as CaCO ₃
	Site 2	0.012	NS			
	Site 3	0.016	NS			
	Site 4	0.0072	NS			
	Site 5	0.012	NS			
	Site 6	0.015	0.070			
	Site 7	0.010	<0.010			
	Site 8	0.015	0.039			
	Site 9	0.10	NS			
	Site 9Alt	NS	0.046			
	Site 10	0.046	0.067			
