

Table 4-23. 1998-99 Critical Source Study Statistical Results

Class Constituent	DL	Units	Wholesale Trade					Auto Repair					Fabricated Metal				
			No. of Samples	Percent Detects	Mean	Median	CV	No. of Samples	Percent Detects	Mean	Median	CV	No. of Samples	Percent Detects	Mean	Median	CV
Conventional																	
TPH as Gasoline	0.50	mg/l	42	5	n/m	n/m	n/m	42	0	n/m	n/m	n/m	34	0	n/m	n/m	n/m
TPH as Oil and Grease	1.00	mg/l	41	73	13.0	3.4	1.70	42	74	11.1	3.9	1.37	34	71	16.7	3.5	1.88
TPH as Diesel	0.50	mg/l	42	2	n/m	n/m	n/m	42	0	n/m	n/m	n/m	34	0	n/m	n/m	n/m
General																	
COD	5.00	mg/l	14	100	105.4	91.2	0.53	14	100	132.8	64.7	1.59	11	100	88.2	76.3	0.58
pH	n/m		56	100	7	7	0.07	55	100	7	7	0.11	45	100	6	6.4	0.10
Specific Conductance	1.00	umhos/cm	56	100	249	212	0.57	55	100	118.7	90.1	0.82	45	100	152.5	108.0	1.00
Total Dissolved Solids	2.00	mg/l	14	100	127.3	126.0	0.34	14	100	66.0	56.0	0.70	11	100	76.2	66.0	0.48
Total Suspended Solids	2.00	mg/l	14	100	89	91	0.61	14	100	206	134	1.26	10	100	76	66.0	0.77
MBAS	0.05	mg/l	13	92	0.24	0.09	1.32	14	86	0.31	0.18	1.29	11	100	0.27	0.25	0.66
Total Organic Carbon	1.00	mg/l	14	100	25.1	18.8	0.66	14	100	31.6	13.4	1.61	11	100	22.8	23.2	0.68
Metals																	
Dissolved Aluminum	100.00	µg/l	14	0	n/m	n/m	n/m	14	7	n/m	n/m	n/m	11	91	547.8	314.0	0.82
Total Aluminum	100.00	µg/l	14	100	449	276	0.99	14	79	1109	192	2.21	11	100	2434	1060	1.32
Dissolved Cadmium	1.00	µg/l	14	43	1.5	0.5	0.99	14	7	n/m	n/m	n/m	11	36	0.8	0.5	0.54
Total Cadmium	1.00	µg/l	14	64	2.7	2.3	0.99	14	43	2.3	0.5	1.69	11	64	1.4	1.3	0.79
Dissolved Chromium	5.00	µg/l	14	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m	11	36	9.2	2.5	1.61
Total Chromium	5.00	µg/l	14	29	4.3	2.5	0.74	14	36	8.9	2.5	1.45	11	64	15.4	10.8	1.42
Dissolved Copper	5.00	µg/l	14	100	41.8	30.1	0.73	14	93	36	28	0.86	10	100	177.0	120.0	1.00
Total Copper	5.00	µg/l	14	100	75	39	1.03	14	93	101	61	1.58	11	100	500	235	1.29
Dissolved Iron	100.00	µg/l	14	7	n/m	n/m	n/m	14	29	93	50	1.01	11	100	869.3	569.0	0.63
Total Iron	100.00	µg/l	14	93	731	391	1.10	14	79	2726	318	2.32	11	100	2593	1750	1.11
Dissolved Lead	5.00	µg/l	14	14	n/m	n/m	n/m	14	57	22.6	8.8	1.26	11	100	51.8	35.5	0.81
Total Lead	5.00	µg/l	14	100	48.3	14.9	2.20	14	85	77.8	94.0	0.72	10	100	113.0	104.0	0.64
Dissolved Nickel	5.00	µg/l	14	86	18.4	17.4	0.62	14	50	6.5	4.0	0.85	11	91	71.5	20.6	1.60
Nickel	5.00	µg/l	14	100	23.7	22.3	0.49	14	79	18.5	13.9	1.03	11	100	90.7	28.5	1.36
Dissolved Zinc	50.00	µg/l	14	100	311	212	1.05	14	86	221	173	0.83	11	100	574	378	0.84
Total Zinc	50.00	µg/l	14	100	366	242	0.87	14	93	613	295	1.96	11	100	667	467	0.70
Semi-Volatile Organics																	
Bis(2-ethylhexyl)phthalate	3.00	µg/l	42	95	23.6	21.8	0.76	42	79	20.4	12.6	1.28	34	79	16	7.9	1.28
All other SVOCs	0.5 - 5.0	µg/l	42	0	n/m	n/m	n/m	42	0	n/m	n/m	n/m	34	0	n/m	n/m	n/m

Notes:

DL = Detection Limit

CV = Coefficient of variation

n/m = Not meaningful, not enough data collected