

Table 4-22. Critical Source Study Comparison of Mean Values

	DL	Units	Wholesale Trade		Auto Repair		Metals	Mass Emission		CIT		Residential		Vacant		Ocean Basin	Toxics	Other Repair		
			1998-99	1997-98	1998-99	1997-98	1998-99	1998-99	1997-98	1998-99	1997-98	1998-99	1997-98	1998-99	1997-98					
Conventional																				
Tot. Petro. Hydrocarbons	1.00	mg/ℓ	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	-	0	-	-	
TPH as Gasoline	0.50	mg/ℓ	n/m	2.4	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	-	-	-	-	
TPH as Diesel	0.50	mg/ℓ	n/m	0.2	n/m	28.7	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	-	-	-	-	
TPH as Oil and Grease	5(1)	mg/ℓ	13.0	8.9	11.1	21.1	16.7	1.3	4.4	n/m	n/m	n/m	n/m	0.4	n/m	75	-	-	25	
General																				
COD	5.00		105.4	88.5	132.8	126.2	88.2	62.0	129.2	79.3	69.2	81.5	231.9	26.4	13.1	-	-	-	-	291
pH	0-14		6.6	6.7	6.6	6.9	6.2	7.7	7.3	7.1	6.8	7.1	6.9	8.4	8.2	-1.5	-8.5	-	-	-
Specific Conductance	1.00	umhos/cm	248.6	144.0	118.7	104.5	152.5	751.0	244.4	310.2	114.0	219.1	175.0	381.1	403.7	-	-	-	-	-
Total Dissolved Solids	2.00	mg/ℓ	127.3	69.3	66.0	64.4	76.2	475.0	162.6	187.4	74.9	135.1	120.7	232.0	247.3	-	300	-	913	-
Total Suspended Solids	2.00	mg/ℓ	89.1	51.0	205.8	221.0	76.0	154.0	205.3	100.1	114.7	75.1	134.5	12.3	30.9	60	0	-	108	963
MBAS	0.05	mg/ℓ	0.2	1.5	0.3	0.3	0.3	0.1	0.1	3.2	0.1	0.1	0.1	n/m	0.0	-	0.5	-	-	-
Total Organic Carbon	1.00	mg/ℓ	25.1	21.0	31.6	27.0	22.8	10.2	11.9	11.7	9.6	10.4	17.7	2.3	12.1	-	-	-	-	-
Metals																				
Dissolved Aluminum	100.0	µg/ℓ	n/m	196.0	n/m	468.0	588.7	82.3	140.0	76.8	179.5	n/m	n/m	n/m	n/m	-	-	-	-	-
Total Aluminum	100.0	µg/ℓ	449.4	471.9	1205.3	951.6	2434.2	503.0	4082.5	591.5	2175.8	247.5	2260.0	93.9	n/m	-	1000	-	1730	-
Dissolved Cadmium	1.00	µg/ℓ	1.5	1.4	n/m	2.8	0.8	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	10	-	2.9	-	-
Total Cadmium	1.00	µg/ℓ	2.7	2.4	2.3	3.5	1.4	n/m	n/m	n/m	1.0	n/m	2.5	n/m	n/m	-	5	-	9	-
Dissolved Chromium	5.00	µg/ℓ	n/m	6.3	n/m	9.8	9.2	n/m	2.2	n/m	3.0	n/m	7.0	n/m	3.0	-	-	-	-	-
Total Chromium	5.00	µg/ℓ	4.3	6.8	8.9	10.2	15.4	n/m	13.2	3.8	5.2	n/m	11.3	n/m	2.2	20	50	-	20	-
Dissolved Copper	5.00	µg/ℓ	41.8	34.4	35.9	63.6	177.0	5.7	3.9	20.7	12.0	9.0	11.8	n/m	1.0	-	-	4.8	-	-
Total Copper	5.00	µg/ℓ	74.6	50.4	100.7	83.6	500.1	12.0	26.1	33.1	67.6	14.3	41.5	8.6	9.0	30	-	-	104	106
Dissolved Iron	100.00	µg/ℓ	n/m	313.2	93.4	957.1	869.3	154.0	383.8	159.1	137.1	n/m	100.0	n/m	n/m	-	-	-	-	-
Total Iron	100.00	µg/ℓ	730.9	1475.2	2726.1	4598.0	2593.0	653.0	1821.4	731.1	856.7	299.6	1411.8	101.9	211.2	-	-	-	-	-
Dissolved Lead	5.00	µg/ℓ	n/m	17.7	22.6	124.0	51.8	n/m	2.5	n/m	3.0	n/m	1.0	n/m	n/m	-	-	50	-	-
Total Lead	5.00	µg/ℓ	48.3	25.6	77.8	183.5	113.0	n/m	23.6	6.6	11.3	n/m	37.0	n/m	2.0	20	-	-	182	234
Dissolved Nickel	5.00	µg/ℓ	18.4	13.6	6.5	12.0	71.5	n/m	2.7	3.5	2.6	n/m	1.0	n/m	n/m	-	-	-	-	-
Total Nickel	5.00	µg/ℓ	23.7	16.2	18.5	30.2	90.7	5.4	9.2	5.7	5.8	4.8	7.0	n/m	2.5	50	100	-	48	-
Dissolved Zinc	50.00	µg/ℓ	311.1	189.1	221.3	336.5	573.5	37.0	67.0	247.3	221.7	116.0	45.0	n/m	n/m	-	-	86	-	-
Total Zinc	50.00	µg/ℓ	365.5	321.1	613.1	517.5	667.5	69.0	133.0	312.5	296.3	157.4	103.5	50.6	26.2	200	-	-	522	724
Semi-Volatile Organics																				
Bis(2-ethylhexyl)phthalate	3.00	µg/ℓ	23.6	38.6	20.4	52.8	16.0	19.3	12.5	3.8	10.9	31.5	3.5	43.8	11.7	-	4	-	-	-
All other SVOCs	0.5-5.0	µg/ℓ	n/m	n/m	n/m	48.9	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	n/m	-	-	-	-	-

Notes:

- DL = Detection Limit
- n/m = Not meaningful, not enough data collected
- Metals = Fabricated Metals
- CIT = Commercial/Industrial/Transportation combined
- = No values exist
- Ocean = Ocean Plan
- Basin = Basin Plan
- Toxics = Toxics Rule
- Other Repair = Data from a report by Swamikannu, LA RWQCB, 1994