

Table 4-18. Summary of Results for 1998-1999 Routine Monitoring

Class Constituent	DL	Units	Vacant					Education					High Density Residential					Light Industrial				
			No. of Samples	Percent Detects	Mean	Median	CV	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																						
Cyanide	0.01	mg/l	6	0	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Tot. Petro. Hydrocarbons	1	mg/l	6	0	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Oil and Grease	1	mg/l	6	33	0.4	0.0	0.64	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Total Phenols	0.1	mg/l	6	0	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Indicator Bacteria																						
Total Coliform	20	MPN/100ml	6	100	2261.7	800.0	0.67	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Fecal Coliform	20	MPN/100ml	6	100	341.7	55.0	0.62	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Fecal Streptococcus	20	MPN/100ml	6	100	756.7	750.0	1.39	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
General																						
Ammonia	0.1	mg/l	7	14	n/m	n/m	n/m	5	40	0.2	0.1	0.81	2	0	n/m	n/m	n/m	14	79	0.4	0.3	1.32
Calcium	1	mg/l	8	100	51	52	29.76	5	100	23	16	1.87	2	100	n/m	n/m	n/m	14	100	16	11	0.90
Magnesium	1	mg/l	8	100	16.1	15.6	9.56	5	100	5.1	3.4	1.71	2	100	n/m	n/m	n/m	14	100	3	2	0.70
Potassium	1	mg/l	9	100	2.3	2.3	21.84	5	100	4.8	4.9	3.85	2	100	n/m	n/m	n/m	14	100	2.7	2.2	1.86
Sodium	1	mg/l	9	100	14	14	32.49	5	100	41	16	0.81	2	100	n/m	n/m	n/m	14	100	16	13	1.53
Bicarbonate	2	mg/l	8	100	163	167	8.17	5	100	52	45	2.38	2	100	n/m	n/m	n/m	14	100	34	22	0.87
Carbonate	2	mg/l	8	75	6.3	7.2	1.62	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Chloride	2	mg/l	9	100	5	5	16.80	5	100	59	16	0.63	2	100	n/m	n/m	n/m	14	100	13.0	9.9	1.16
Fluoride	0.1	mg/l	9	100	0.4	0.4	7.26	5	100	0.2	0.2	2.20	2	0	n/m	n/m	n/m	14	36	0.1	0.1	0.74
Nitrate	0.1	mg/l	9	100	2.3	2.2	5.56	5	100	4.0	2.8	2.10	2	100	n/m	n/m	n/m	14	100	3.2	2.4	1.19
Sulfate	0.1	mg/l	9	100	12	12	22.64	5	100	21	12	0.95	2	100	n/m	n/m	n/m	14	100	15	10	0.88
Alkalinity	4	mg/l	8	100	169	175	7.94	5	100	52	45	2.38	2	100	n/m	n/m	n/m	14	100	34	22	0.87
Hardness	2	mg/l	8	100	193	190	24.13	5	100	78	60	1.87	2	100	n/m	n/m	n/m	14	100	52	35	0.85
Dissolved Phosphorus	0.1	mg/l	6	17	n/m	n/m	n/m	4	100	0.3	0.2	1.14	2	100	n/m	n/m	n/m	14	86	0.2	0.1	1.04
Total Phosphorus	0.1	mg/l	6	17	n/m	n/m	n/m	4	100	0.4	0.3	1.67	2	100	n/m	n/m	n/m	14	86	0.3	0.2	1.07
COD	5	mg/l	9	67	26	11	0.69	4	100	57	38	1.27	2	100	n/m	n/m	n/m	14	93	68	46	1.13
pH	0-14		8	100	8.4	8.5	50.03	5	100	7.4	7.3	16.35	2	100	n/m	n/m	n/m	14	100	7.0	6.9	12.43
NH3-N	0.1	mg/l	7	14	n/m	n/m	n/m	5	40	0.2	0.1	0.85	2	0	n/m	n/m	n/m	14	71	0.3	0.3	1.31
Nitrate-N	0.1	mg/l	9	100	0.5	0.5	5.57	5	100	0.9	0.6	2.10	2	100	n/m	n/m	n/m	14	100	0.7	0.5	1.19
Nitrite-N	0.1	mg/l	9	0	n/m	n/m	n/m	5	40	0.1	0.1	3.64	2	50	n/m	n/m	n/m	14	79	0.1	0.1	1.62
Kjeldahl-N	0.1	mg/l	8	100	0.6	0.5	1.40	5	100	2.1	2.0	2.40	2	100	n/m	n/m	n/m	14	100	3.2	3.0	2.00
Specific Conductance	1	umhos/cm	7	100	381	384	40.14	5	100	409	265	1.15	2	100	n/m	n/m	n/m	14	100	177	132	1.11
Total Dissolved Solids	2	mg/l	7	100	232	236	16.09	5	100	246	168	1.22	2	100	n/m	n/m	n/m	14	100	111	83	1.09
Turbidity	0.1	NTU	8	100	6	3	0.89	5	100	50	43	1.60	2	100	n/m	n/m	n/m	14	100	73.1	72.8	1.91
Suspended Solids	2	mg/l	9	100	12	6	0.94	5	100	45	34	1.49	2	100	n/m	n/m	n/m	14	100	152	157.0	1.58
Volatile Suspended Solids	1	mg/l	9	89	5	2	1.02	5	100	15	8	0.97	2	100	n/m	n/m	n/m	14	100	42.8	48.0	2.05
MBAS	0.1	mg/l	7	0	n/m	n/m	n/m	4	50	0.0	0.0	2.01	2	50	n/m	n/m	n/m	14	79	0.2	0.2	1.42
Total Organic Carbon	1	mg/l	7	100	2	2.2	5.12	5	100	14	14.0	2.31	2	100	n/m	n/m	n/m	12	100	12.4	10.9	1.90
BOD	2	mg/l	7	86	4	5	2.80	5	100	22	15	1.70	2	100	n/m	n/m	n/m	12	100	22.3	18.6	1.72
Metals																						
Dissolved Aluminum	1	mg/l	9	0	n/m	n/m	n/m	5	40	72	0.5	0.69	2	0	n/m	n/m	n/m	14	29	68.7	0.5	0.52
Total Aluminum	1	mg/l	9	44	94	1	0.77	5	100	335	286	1.98	2	50	n/m	n/m	n/m	14	100	772	397.0	0.68
Dissolved Antimony	5	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Antimony	5	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Dissolved Arsenic	5	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Arsenic	5	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	7	n/m	n/m	n/m
Dissolved Barium	10	µg/l	9	100	52	54	4.75	5	100	32	27	3.83	2	50	n/m	n/m	n/m	14	86	25	22	1.72
Total Barium	10	µg/l	9	100	53	56	4.36	5	100	39	39	3.62	2	100	n/m	n/m	n/m	14	93	43	34	1.16

Notes:
 DL = Detection Limit
 CV = Coefficient of Variation
 n/m = Not meaningful, not enough data above detection limit collected

Table 4-18. Summary of Results for 1998-1999 Routine Monitoring

Class Constituent	DL	Units	Vacant					Education					High Density Residential					Light Industrial				
			No. of Samples	Percent Detects	Mean	Median	CV	No. of Samples	Percent Detects	Mean	Median	CV	No. of Samples	Percent Detects	Mean	Median	CV	No. of Samples	Percent Detects	Mean	Median	CV
Metals (cont.)																						
Dissolved Beryllium	1	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Beryllium	1	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Dissolved Boron	100	µg/l	8	63	117.9	116.5	1.59	5	100	210	173	1.72	2	0	n/m	n/m	n/m	14	64	148	126	1.44
Total Boron	100	µg/l	8	75	194	205	1.68	5	100	260	217	1.93	2	100	n/m	n/m	n/m	14	79	213	185	1.58
Dissolved Cadmium	1	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	50	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Cadmium	1	µg/l	9	0	n/m	n/m	n/m	5	20	0.6	0.5	2.04	2	50	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Dissolved Chromium	5	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Chromium	5	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	21	4.2	2.5	1.08
Dissolved Chromium +6	10	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Chromium +6	10	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Dissolved Copper	5	µg/l	9	0	n/m	n/m	n/m	5	100	20	18	1.64	2	100	n/m	n/m	n/m	14	93	12.3	10.8	1.74
Total Copper	5	µg/l	9	22	9	3	0.53	5	100	25	18	1.47	2	100	n/m	n/m	n/m	14	100	22.0	18.6	1.82
Dissolved Iron	100	µg/l	9	0	n/m	n/m	n/m	5	80	159	177	1.84	2	0	n/m	n/m	n/m	14	43	167.6	50.0	0.68
Total Iron	100	µg/l	9	33	102	50	1.13	5	100	453	433	1.49	2	50	n/m	n/m	n/m	14	93	799	382	0.53
Dissolved Lead	5	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Lead	5	µg/l	9	0	n/m	n/m	n/m	5	20	4.2	2.5	1.09	2	0	n/m	n/m	n/m	14	29	6.7	2.5	0.66
Dissolved Manganese	100	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	7	n/m	n/m	n/m
Total Manganese	100	µg/l	9	11	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	7	n/m	n/m	n/m
Dissolved Mercury	1	µg/l	8	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Mercury	1	µg/l	8	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Dissolved Nickel	5	µg/l	9	0	n/m	n/m	n/m	5	20	3.4	2.5	1.64	2	0	n/m	n/m	n/m	14	21	3.2	2.5	2.18
Nickel	5	µg/l	9	11	n/m	n/m	n/m	5	40	6.0	2.5	1.24	2	0	n/m	n/m	n/m	14	50	5.2	4.1	1.43
Dissolved Selenium	5	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Selenium	5	µg/l	9	11	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	14	n/m	n/m	n/m
Dissolved Silver	1	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Silver	1	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Dissolved Thallium	5	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Total Thallium	5	µg/l	9	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Dissolved Zinc	50	µg/l	9	0	n/m	n/m	n/m	5	100	96	95	6.55	2	50	n/m	n/m	n/m	14	93	336.8	305.0	1.57
Total Zinc	50	µg/l	8	13	n/m	n/m	n/m	5	100	127	117	5.86	2	100	n/m	n/m	n/m	13	100	347	360	2.77
Semi-Volatile Organics																						
Bis(2-ethylhexyl)phthalate	3	µg/l	4	75	43.8	6.4	0.56	0	n/m	n/m	n/m	n/m	2	50	n/m	n/m	n/m	4	50	3	2.3	1.91
All other SVOCs	1	µg/l	4	0	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	2	0	n/m	n/m	n/m	4	0	n/m	n/m	n/m
Pesticides																						
Organochlorine Pesticides & PCBs																						
	0.5	µg/l	5	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	3	0	n/m	n/m	n/m
Diazinon	0.01	µg/l	6	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Chlorpyrifos	0.1	µg/l	6	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Other N- and P- Containing Pesticides	1	µg/l	6	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Carbofuran	5	µg/l	8	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	1	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m
Chlorinated Herbicides & Bentazon																						
2,4-D	10	µg/l	9	0	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	2	0	n/m	n/m	n/m	4	0	n/m	n/m	n/m
2,4,5-TP	1	µg/l	9	0	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	2	0	n/m	n/m	n/m	4	0	n/m	n/m	n/m
Bentazon	2	µg/l	9	0	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	2	0	n/m	n/m	n/m	4	0	n/m	n/m	n/m
Glyphosate	25	µg/l	0	n/m	n/m	n/m	n/m	5	40	35.2	12.5	0.82	2	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m

Notes:
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Table 4-18. Summary of Results for 1998-1999 Routine Monitoring

Class Constituent	DL	Units	Retail / Commercial					Transportation					Multi-family Residential					Mixed Residential				
			No. of Samples	Percent Detects	Mean	Median	CV	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																						
Cyanide	0.01	mg/l	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Tot. Petro. Hydrocarbons	1	mg/l	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Oil and Grease	1	mg/l	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Total Phenols	0.1	mg/l	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Indicator Bacteria																						
Total Coliform	20	MPN/100ml	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Fecal Coliform	20	MPN/100ml	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Fecal Streptococcus	20	MPN/100ml	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
General																						
Ammonia	0.1	mg/l	14	71	2.5	0.7	0.66	15	93	0.2	0.2	1.24	7	57	0.9	0.2	0.69	8	88	0.8	0.8	1.09
Calcium	1	mg/l	14	100	34	35	2.54	15	100	9	8	3.20	10	100	38	29.3	1.21	7	86	8	8	1.81
Magnesium	1	mg/l	14	100	12.1	11.7	2.24	15	100	1.8	1.9	1.92	10	100	5.9	3.9	1.10	7	86	2	1	0.88
Potassium	1	mg/l	14	100	6.6	5.8	1.88	15	100	2.4	2.1	2.21	11	100	3.6	3.0	2.24	9	100	2.5	2.4	4.54
Sodium	1	mg/l	14	100	69	61	1.81	15	100	10	9	2.01	11	100	21	16.4	1.25	9	100	11	6	0.78
Bicarbonate	2	mg/l	14	100	88	76	1.95	15	100	21	18	2.41	11	100	69	48	1.21	8	100	20	16	2.44
Carbonate	2	mg/l	14	0	n/m	n/m	n/m	15	73	1.0	1.0	n/m	11	0	n/m	n/m	n/m	8	0	n/m	n/m	n/m
Chloride	2	mg/l	14	100	103	78	1.51	15	100	6	6	2.01	11	91	22	11.0	0.92	8	75	4.0	2.9	1.20
Fluoride	0.1	mg/l	14	86	0.2	0.2	2.12	15	100	0.1	0.1	1.51	11	82	0.3	0.2	1.25	8	63	0.1	0.1	1.20
Nitrate	0.1	mg/l	14	100	2.5	2.3	2.04	15	100	2.8	2.2	1.87	11	100	8.8	10.0	1.65	8	88	3.1	3.3	1.49
Sulfate	0.1	mg/l	14	100	72	64	1.74	15	100	9	8	2.02	11	100	31	25.6	0.93	8	100	8	5	1.33
Alkalinity	4	mg/l	14	100	88	76	1.95	15	100	21	18	2.41	11	100	69	48	1.21	8	100	20	16	2.44
Hardness	2	mg/l	14	100	134	134	2.45	15	100	30	30	3.27	10	100	97	82	1.23	7	86	28	24	1.38
Dissolved Phosphorus	0.1	mg/l	14	100	0.4	0.4	1.70	13	100	0.4	0.3	1.59	4	100	0.4	0.4	1.37	7	86	0.2	0.2	1.65
Total Phosphorus	0.1	mg/l	14	100	0.5	0.5	1.82	13	100	0.4	0.4	1.52	4	100	0.5	0.5	1.46	7	86	0.2	0.2	1.19
COD	5	mg/l	14	100	117	93	1.32	14	100	53	40	1.22	10	100	123	48	0.57	9	89	48	30	0.92
pH	0-14		14	100	7.5	7.6	20.91	15	100	6.9	6.9	19.60	11	100	7.5	7.5	12.73	8	100	6.7	6.8	25.17
NH3-N	0.1	mg/l	14	71	2.1	0.6	0.67	15	93	0.2	0.1	1.29	7	57	0.7	0.2	0.70	8	75	0.7	0.7	1.08
Nitrate-N	0.1	mg/l	14	86	0.5	0.5	1.66	15	93	0.9	0.7	0.79	11	100	2.0	2.3	1.65	8	88	0.7	0.8	1.53
Nitrite-N	0.1	mg/l	14	79	0.2	0.1	1.34	15	100	0.1	0.1	1.53	11	82	0.2	0.1	0.65	8	100	0.1	0.1	2.27
Kjeldahl-N	0.1	mg/l	14	100	5.3	4.1	1.38	15	100	2.4	1.9	1.86	9	100	3.6	1.9	0.87	9	89	2.8	3.0	1.89
Specific Conductance	1	umhos/cm	14	100	658	643	2.01	15	100	109	100	2.73	8	100	355	281	1.34	8	88	117	86	0.99
Total Dissolved Solids	2	mg/l	14	100	392	392	2.06	15	100	68	60	2.57	8	100	220	175	1.33	8	88	71	51	0.99
Turbidity	0.1	NTU	14	100	36	29	1.52	15	100	52	28	0.75	10	100	47	27	0.81	8	100	36.3	31.0	1.10
Suspended Solids	2	mg/l	14	100	75	70	1.50	15	100	75	64	1.89	9	100	86	40	0.82	7	100	62	62.0	1.75
Volatile Suspended Solids	1	mg/l	14	100	33	28.5	1.62	15	100	29	28	1.99	9	100	24	15	0.81	7	100	25.7	24.0	1.73
MBAS	0.1	mg/l	14	79	0.3	0.1	0.86	14	100	9.2	0.2	0.27	6	67	0.1	0.1	1.16	7	71	0.1	0.1	1.56
Total Organic Carbon	1	mg/l	13	100	13	10	1.46	13	100	9	6.9	1.47	9	100	10	6.1	0.97	7	100	11.2	7.8	1.61
BOD	2	mg/l	13	92	27	21	1.38	13	100	22	19	1.37	9	89	16	10	0.98	7	100	21.5	24.3	2.16
Metals																						
Dissolved Aluminum	1	mg/l	14	7	13	0.5	0.28	15	27	31	0.5	0.59	11	18	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Aluminum	1	mg/l	14	100	588	215	0.82	15	87	419	248	0.94	11	73	318	300	0.85	9	78	199	174.0	1.27
Dissolved Antimony	5	µg/l	14	0	n/m	n/m	n/m	15	7	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Antimony	5	µg/l	14	0	n/m	n/m	n/m	15	7	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Dissolved Arsenic	5	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Arsenic	5	µg/l	14	7	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Dissolved Barium	10	µg/l	14	86	42	47	2.01	15	87	21	26	1.70	11	91	33	31	1.99	9	78	20	19	1.67
Total Barium	10	µg/l	14	86	63	61	1.35	15	93	35	33	1.66	11	91	37	32	1.91	9	100	31	27	2.44

Notes:
 DL = Detection Limit
 CV = Coefficient of Variation
 n/m = Not meaningful, not enough data above detection limit collected

Table 4-18. Summary of Results for 1998-1999 Routine Monitoring

Class Constituent	DL	Units	Retail / Commercial					Transportation					Multi-family Residential					Mixed Residential				
			No. of Samples	Percent Detects	Mean	Median	CV	No. of Samples	Percent Detects	Mean	Median	CV	No. of Samples	Percent Detects	Mean	Median	CV	No. of Samples	Percent Detects	Mean	Median	CV
Metals (cont.)																						
Dissolved Beryllium	1	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Beryllium	1	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Dissolved Boron	100	µg/l	14	86	213	225	2.16	15	67	144	131	1.63	9	89	209	196	1.65	8	50	105	81	1.33
Total Boron	100	µg/l	14	93	277	283	2.20	15	93	195	201	2.06	9	100	275	254	2.01	8	100	176	154	2.10
Dissolved Cadmium	1	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	11	n/m	n/m	n/m
Total Cadmium	1	µg/l	14	7	n/m	n/m	n/m	15	33	0.9	0.5	1.48	11	0	n/m	n/m	n/m	9	11	n/m	n/m	n/m
Dissolved Chromium	5	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	9	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Chromium	5	µg/l	14	21	3.8	2.5	1.31	15	20	3.5	2.5	1.51	11	18	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Dissolved Chromium +6	10	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Chromium +6	10	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Dissolved Copper	5	µg/l	14	93	14.4	11.4	1.44	15	100	34	27	1.76	11	73	6.8	6.2	1.53	9	89	12.1	12.0	1.88
Total Copper	5	µg/l	14	100	28	22	1.82	15	100	48	40	1.87	11	100	13	12	2.26	9	100	17.4	14.6	2.82
Dissolved Iron	100	µg/l	14	64	187	156	1.24	15	40	125	50	0.97	11	9	n/m	n/m	n/m	9	11	n/m	n/m	n/m
Total Iron	100	µg/l	14	93	815	483	0.93	15	93	590	296	0.91	11	64	362	189	0.79	9	67	273	270	1.28
Dissolved Lead	5	µg/l	14	7	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Lead	5	µg/l	14	21	7.6	2.5	0.52	15	33	5.7	2.5	1.01	11	9	n/m	n/m	n/m	9	33	n/m	n/m	n/m
Dissolved Manganese	100	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Manganese	100	µg/l	14	7	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	9	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Dissolved Mercury	1	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	10	0	n/m	n/m	n/m	8	0	n/m	n/m	n/m
Total Mercury	1	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	10	0	n/m	n/m	n/m	8	0	n/m	n/m	n/m
Dissolved Nickel	5	µg/l	14	14	n/m	n/m	n/m	15	40	4.0	2.5	1.96	11	9	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Nickel	5	µg/l	14	36	4.2	2.5	1.54	15	73	7.5	6.9	1.68	11	45	7.3	2.5	0.84	9	0	n/m	n/m	n/m
Dissolved Selenium	5	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Selenium	5	µg/l	14	14	n/m	n/m	n/m	15	20	4.3	2.5	1.15	11	0	n/m	n/m	n/m	9	11	n/m	n/m	n/m
Dissolved Silver	1	µg/l	14	7	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Silver	1	µg/l	14	7	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Dissolved Thallium	5	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Total Thallium	5	µg/l	14	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	9	0	n/m	n/m	n/m
Dissolved Zinc	50	µg/l	14	100	183	166	2.19	15	100	224	255	2.96	10	70	61	54	1.72	9	100	114.2	120.0	3.54
Total Zinc	50	µg/l	13	100	219	197	2.57	15	100	287	276	2.59	10	90	95	82	1.96	9	100	150	154	4.21
Semi-Volatile Organics																						
Bis(2-ethylhexyl)phthalate	3	µg/l	4	75	5.3	5.6	1.21	4	50	3.3	3.0	1.55	4	100	79	48.0	0.80	5	60	4	3.3	1.56
All other SVOCs	1	µg/l	4	0	n/m	n/m	n/m	4	0	n/m	n/m	n/m	4	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m
Pesticides																						
Organochlorine Pesticides & PCBs																						
	0.5	µg/l	2	0	n/m	n/m	n/m	3	0	n/m	n/m	n/m	6	0	n/m	n/m	n/m	7	0	n/m	n/m	n/m
Diazinon	0.01	µg/l	12	25	0.1	0.0	0.41	14	7	n/m	n/m	n/m	7	0	n/m	n/m	n/m	7	43	0.1	0.0	0.55
Chlorpyrifos	0.1	µg/l	12	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m	7	0	n/m	n/m	n/m	7	0	n/m	n/m	n/m
Other N- and P- Containing Pesticides	1	µg/l	12	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m	7	0	n/m	n/m	n/m	7	0	n/m	n/m	n/m
Carbofuran	5	µg/l	13	0	n/m	n/m	n/m	15	0	n/m	n/m	n/m	11	0	n/m	n/m	n/m	8	0	n/m	n/m	n/m
Chlorinated Herbicides & Bentazon																						
2,4-D	10	µg/l	4	0	n/m	n/m	n/m	4	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	7	0	n/m	n/m	n/m
2,4,5-TP	1	µg/l	4	0	n/m	n/m	n/m	4	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	7	0	n/m	n/m	n/m
Bentazon	2	µg/l	4	0	n/m	n/m	n/m	4	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m	7	0	n/m	n/m	n/m
Glyphosate	25	µg/l	14	0	n/m	n/m	n/m	15	13	n/m	n/m	n/m	11	9	n/m	n/m	n/m	9	0	n/m	n/m	n/m

Notes:
DL = Detection Limit
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