

Table 4-19. Summary of Results for 1994-1999 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	12	0	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	3	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m
Tot. Petro. Hydrocarbons	1	mg/l	12	8	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	3	100	1.3	1.2	4.39	5	80	1.6	1.4	1.23
Oil and Grease	1	mg/l	12	25	0.3	0.0	0.55	0	n/m	n/m	n/m	n/m	3	100	1.3	1.2	4.39	5	80	1.6	1.4	1.23
Total Phenols	0.1	mg/l	12	0	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m	3	0	n/m	n/m	n/m	5	0	n/m	n/m	n/m
Indicator Bacteria																						
Total Coliform	20	MPN/100m/l	12	92	2,802	800	0.76	0	n/m	n/m	n/m	n/m	3	100	1,366,667	1,600,000	3.38	5	100	454,000	160,000	0.70
Fecal Coliform	20	MPN/100m/l	12	83	390	85	0.72	0	n/m	n/m	n/m	n/m	3	100	933,333	900,000	1.43	5	100	338,220	30,000	0.48
Fecal Streptococcus	20	MPN/100m/l	12	92	896	600	1.06	0	n/m	n/m	n/m	n/m	3	100	1,233,333	1,600,000	1.94	5	100	253,000	160,000	0.69
General																						
Ammonia	0.1	mg/l	32	44	0.2	0.1	0.42	28	89	0.4	0.3	0.68	28	86	0.3	0.3	1.15	39	90	0.5	0.4	0.89
Calcium	1	mg/l	33	100	48	49	7.42	27	100	13	9	1.43	27	96	6	6.0	2.70	36	100	11	9	0.95
Magnesium	1	mg/l	33	100	14.8	15.5	4.53	27	70	2.7	2.4	1.00	27	67	1.3	1.2	1.61	36	100	2	2	0.83
Potassium	1	mg/l	36	100	2.3	2.3	4.43	29	100	3.3	2.6	2.30	30	100	3.2	2.9	2.02	40	100	2.7	2.2	1.70
Sodium	1	mg/l	36	100	13	13	4.84	29	100	25	6	0.42	30	100	5	4.2	1.74	41	100	13	12	1.46
Bicarbonate	2	mg/l	33	100	167	171	7.52	28	100	31	21	1.27	28	100	15	13	2.22	39	100	24	18	0.97
Carbonate	2	mg/l	33	18	n/m	n/m	n/m	28	0	n/m	n/m	n/m	28	0	n/m	n/m	n/m	39	0	n/m	n/m	n/m
Chloride	2	mg/l	34	100	6	5	4.91	28	86	37	4	0.33	25	92	4	3.4	1.46	39	100	12.3	8.6	1.24
Fluoride	0.1	mg/l	34	100	0.3	0.4	5.68	28	29	0.1	0.1	1.02	25	12	n/m	n/m	n/m	39	56	0.1	0.1	1.08
Nitrate	0.1	mg/l	34	100	4.6	3.7	1.69	28	93	2.2	1.8	1.22	25	96	3.3	1.9	0.64	39	100	4.1	2.5	1.12
Sulfate	0.1	mg/l	34	100	14	13	4.37	28	100	12	6	0.86	25	100	5	3.5	1.06	39	100	12	9	1.05
Alkalinity	4	mg/l	33	100	168	174	7.53	28	100	31	21	1.27	28	100	15	13	2.22	39	100	24	18	0.97
Hardness	2	mg/l	33	100	181	188	8.08	27	100	43	30	1.23	26	100	21	20	2.52	36	100	38	30	0.94
Dissolved Phosphorus	0.1	mg/l	28	43	0.1	0.0	0.30	25	100	0.3	0.2	1.10	26	100	0.3	0.2	2.06	38	95	0.3	0.2	0.97
Total Phosphorus	0.1	mg/l	30	53	0.2	0.0	0.37	25	100	0.3	0.2	1.43	26	100	0.3	0.3	1.63	37	95	0.4	0.3	1.14
COD	5	mg/l	35	49	14	3	0.62	28	82	38	34	1.33	31	87	120	61	0.67	40	85	82	68	1.15
pH	0-14		33	100	8.1	8.1	30.92	28	100	6.9	6.7	14.31	28	100	6.4	6.4	17.54	39	100	6.8	6.8	15.13
NH3-N	0.1	mg/l	32	34	0.1	0.1	0.42	28	89	0.4	0.2	0.69	28	86	0.3	0.2	1.21	40	88	0.4	0.3	0.89
Nitrate-N	0.1	mg/l	34	97	1.0	0.8	1.60	27	56	0.4	0.3	0.90	25	56	0.7	0.4	0.56	38	95	0.9	0.6	1.04
Nitrite-N	0.1	mg/l	34	26	0.0	0.1	4.83	27	56	0.1	0.1	0.67	25	56	0.1	0.1	1.72	39	79	0.1	0.1	1.65
Kjeldahl-N	0.1	mg/l	34	100	1.1	0.7	0.49	27	100	1.5	1.4	1.82	30	100	2.4	2.1	1.53	39	100	2.9	2.2	1.55
Specific Conductance	1	umhos/cm	29	100	377	387	8.64	27	100	225	86	0.63	26	100	77	59	1.70	36	100	146	123	1.29
Total Dissolved Solids	2	mg/l	29	100	234	240	9.04	27	100	135	56	0.67	26	100	48	36	1.57	36	100	92	77	1.28
Turbidity	0.1	NTU	32	100	41.9	4.8	0.25	29	100	38.6	25.3	0.92	26	100	23.2	21.5	1.34	41	100	68.2	30.9	0.52
Suspended Solids	2	mg/l	31	97	71	10	0.35	27	100	72	49	0.74	24	100	76	64	1.43	31	100	191	127	0.93
Volatile Suspended Solids	1	mg/l	32	78	35	6	0.34	27	100	21	20	1.25	25	100	42	39	1.54	36	100	52.3	45.0	1.17
MBAS	0.1	mg/l	28	4	n/m	n/m	n/m	26	35	0.0	0.0	1.63	26	54	0.1	0.0	1.23	30	77	0.1	0.1	1.38
Total Organic Carbon	1	mg/l	34	100	6	3.5	1.11	30	100	8	7.3	1.84	30	100	9	7.1	1.34	36	100	11.1	9.7	1.63
BOD	2	mg/l	30	97	14	9	1.17	22	100	16	15	1.82	19	100	16	15	1.90	28	100	23.3	20.7	2.17
Metals																						
Dissolved Aluminum	1	mg/l	33	18	n/m	n/m	n/m	30	70	311	183.0	0.64	27	30	80.9	0.5	0.58	35	34	421.2	0.5	0.41
Total Aluminum	1	mg/l	31	65	2,077	162	0.20	30	97	934	800	1.15	26	88	678	516	1.06	31	90	2,210	407.0	0.42
Dissolved Antimony	5	µg/l	36	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m	39	0	n/m	n/m	n/m
Total Antimony	5	µg/l	36	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m	39	0	n/m	n/m	n/m
Dissolved Arsenic	5	µg/l	36	0	n/m	n/m	n/m	30	10	n/m	n/m	n/m	29	0	n/m	n/m	n/m	39	3	n/m	n/m	n/m
Total Arsenic	5	µg/l	36	6	n/m	n/m	n/m	30	10	n/m	n/m	n/m	29	14	n/m	n/m	n/m	39	13	n/m	n/m	n/m
Dissolved Barium	10	µg/l	36	81	38	38	1.44	30	80	24	23	1.27	29	38	10	5	1.38	39	69	27	20	0.99
Total Barium	10	µg/l	36	83	66	52	0.50	30	80	34	30	1.13	29	62	28	20	0.80	39	72	59	29	0.62

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

Table 4-19. Summary of Results for 1994-1999 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	22	0	n/m	n/m	n/m	17	0	n/m	n/m	n/m	14	0	n/m	n/m	n/m	31	0	n/m	n/m	n/m
Total Beryllium	1	µg/l	36	3	n/m	n/m	n/m	30	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m	39	0	n/m	n/m	n/m
Dissolved Boron	100	µg/l	33	52	116.7	110.0	1.48	30	100	197	163	2.04	30	63	127	125	1.71	39	54	121	102	1.44
Total Boron	100	µg/l	33	70	172	155	1.59	30	100	266	242	2.26	30	80	178	171	1.81	38	58	174	158	1.45
Dissolved Cadmium	1	µg/l	36	0	n/m	n/m	n/m	30	7	n/m	n/m	n/m	29	3	n/m	n/m	n/m	39	8	n/m	n/m	n/m
Total Cadmium	1	µg/l	36	0	n/m	n/m	n/m	30	27	0.8	0.5	1.42	29	14	n/m	n/m	n/m	39	18	n/m	n/m	n/m
Dissolved Chromium	5	µg/l	36	3	n/m	n/m	n/m	30	3	n/m	n/m	n/m	28	7	n/m	n/m	n/m	39	18	n/m	n/m	n/m
Total Chromium	5	µg/l	36	19	n/m	n/m	n/m	30	30	4.0	2.5	1.32	29	24	4.8	2.5	0.98	39	51	7.3	2.5	0.68
Dissolved Chromium +6	10	µg/l	32	0	n/m	n/m	n/m	31	0	n/m	n/m	n/m	27	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m
Total Chromium +6	10	µg/l	32	0	n/m	n/m	n/m	31	0	n/m	n/m	n/m	27	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m
Dissolved Copper	5	µg/l	36	14	n/m	n/m	n/m	30	83	15.1	12.5	1.15	29	59	7.4	7.0	1.36	39	87	17.9	13.8	0.88
Total Copper	5	µg/l	36	61	10.0	5.0	0.72	30	100	29.0	17.0	0.69	29	97	19.8	14.8	1.31	38	100	36.1	23.9	1.09
Dissolved Iron	100	µg/l	36	14	n/m	n/m	n/m	30	63	478	178	0.40	29	28	120.3	50.0	0.78	39	46	822.1	50.0	0.35
Total Iron	100	µg/l	36	67	3,598	207	0.20	30	100	3,576	981	0.34	29	93	1,397	845	0.85	39	97	8,274	630	0.26
Dissolved Lead	5	µg/l	36	0	n/m	n/m	n/m	30	7	n/m	n/m	n/m	29	17	n/m	n/m	n/m	39	15	n/m	n/m	n/m
Total Lead	5	µg/l	36	14	n/m	n/m	n/m	30	40	5.8	2.5	0.96	29	66	16.5	9.2	0.81	39	64	20.0	8.0	0.61
Dissolved Manganese	100	µg/l	36	8	n/m	n/m	n/m	30	13	n/m	n/m	n/m	29	10	n/m	n/m	n/m	39	26	68.8	50.0	0.92
Total Manganese	100	µg/l	36	25	172.5	50.0	0.32	30	27	88.4	50.0	0.52	29	31	68.2	50.0	1.67	39	33	169.1	50.0	0.35
Dissolved Mercury	1	µg/l	33	0	n/m	n/m	n/m	28	0	n/m	n/m	n/m	26	0	n/m	n/m	n/m	36	0	n/m	n/m	n/m
Total Mercury	1	µg/l	34	3	n/m	n/m	n/m	28	0	n/m	n/m	n/m	26	4	n/m	n/m	n/m	36	8	n/m	n/m	n/m
Dissolved Nickel	5	µg/l	36	0	n/m	n/m	n/m	30	13	n/m	n/m	n/m	29	7	n/m	n/m	n/m	39	36	3.9	2.5	1.13
Nickel	5	µg/l	36	14	n/m	n/m	n/m	30	30	4.4	2.5	1.33	29	21	3.7	2.5	0.98	39	67	7.9	6.0	1.01
Dissolved Selenium	5	µg/l	36	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m	39	0	n/m	n/m	n/m
Total Selenium	5	µg/l	36	3	n/m	n/m	n/m	30	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m	39	8	n/m	n/m	n/m
Dissolved Silver	1	µg/l	36	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m	39	0	n/m	n/m	n/m
Total Silver	1	µg/l	36	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m	29	7	n/m	n/m	n/m	39	0	n/m	n/m	n/m
Dissolved Thallium	5	µg/l	36	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m	39	0	n/m	n/m	n/m
Total Thallium	5	µg/l	36	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m	39	0	n/m	n/m	n/m
Dissolved Zinc	50	µg/l	36	6	n/m	n/m	n/m	30	63	75	71	1.25	29	28	50	25	0.70	38	92	325.6	303.0	1.51
Total Zinc	50	µg/l	36	33	51	25	0.60	30	100	169	115	0.61	29	83	95	74	1.58	37	100	434	376	1.86
Semi-Volatile Organics																						
Bis(2-ethylhexyl)phthalate	3	µg/l	27	70	18.1	5.1	0.52	24	83	12.4	10.1	1.12	21	86	10	6.8	0.77	23	83	12	6.5	0.79
All other SVOCs	1	µg/l	30	0	n/m	n/m	n/m	24	4	n/m	n/m	n/m	22	0	n/m	n/m	n/m	24	0	n/m	n/m	n/m
Pesticides																						
Organochlorine Pesticides & PCBs	0.5	µg/l	32	0	n/m	n/m	n/m	22	0	n/m	n/m	n/m	23	0	n/m	n/m	n/m	21	0	n/m	n/m	n/m
Diazinon	0.01	µg/l	27	0	n/m	n/m	n/m	27	0	n/m	n/m	n/m	21	5	n/m	n/m	n/m	28	0	n/m	n/m	n/m
Chlorpyrifos	0.1	µg/l	27	0	n/m	n/m	n/m	27	0	n/m	n/m	n/m	21	0	n/m	n/m	n/m	28	0	n/m	n/m	n/m
Other N- and P- Containing Pesticides	1	µg/l	27	0	n/m	n/m	n/m	27	0	n/m	n/m	n/m	21	0	n/m	n/m	n/m	28	0	n/m	n/m	n/m
Carbofuran	5	µg/l	29	0	n/m	n/m	n/m	31	0	n/m	n/m	n/m	23	0	n/m	n/m	n/m	33	0	n/m	n/m	n/m
Chlorinated Herbicides & Bentazon																						
2,4-D	10	µg/l	28	0	n/m	n/m	n/m	24	0	n/m	n/m	n/m	22	0	n/m	n/m	n/m	22	0	n/m	n/m	n/m
2,4,5-TP	1	µg/l	28	0	n/m	n/m	n/m	24	0	n/m	n/m	n/m	22	0	n/m	n/m	n/m	22	0	n/m	n/m	n/m
Bentazon	2	µg/l	28	0	n/m	n/m	n/m	24	0	n/m	n/m	n/m	22	0	n/m	n/m	n/m	22	0	n/m	n/m	n/m
Glyphosate	25	µg/l	31	0	n/m	n/m	n/m	30	20	9.7	0.0	0.40	25	0	n/m	n/m	n/m	33	0	n/m	n/m	n/m

Notes:
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Table 4-19. Summary of Results for 1994-1999 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	8	0	n/m	n/m	n/m	4	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
Tot. Petro. Hydrocarbons	1	mg/l	8	75	3.1	2.9	1.60	4	100	3.1	2.8	2.14	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Oil and Grease	1	mg/l	8	88	3.3	2.9	1.95	4	100	3.1	2.8	2.14	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Total Phenols	0.1	mg/l	8	0	n/m	n/m	n/m	4	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
Indicator Bacteria																						
Total Coliform	20	MPN/100ml	8	100	1,140,000	1,250,000	1.42	4	100	692,500	600,000	1.22	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Fecal Coliform	20	MPN/100ml	8	100	528,750	90,000	0.74	4	100	328,750	205,000	0.82	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
Fecal Streptococcus	20	MPN/100ml	8	100	212,875	150,000	0.73	4	100	176,000	195,000	1.46	0	n/m	n/m	n/m	n/m	0	n/m	n/m	n/m	n/m
General																						
Ammonia	0.1	mg/l	36	78	1.2	0.3	0.46	46	78	0.3	0.2	1.15	29	90	0.6	0.3	0.79	30	97	0.6	0.4	1.04
Calcium	1	mg/l	35	100	18	9	1.11	46	100	8	7	2.22	26	100	18	7.2	0.74	26	96	7	6	1.60
Magnesium	1	mg/l	35	97	6.2	3.3	1.04	46	89	1.5	1.3	1.78	26	65	2.9	1.5	0.72	26	73	1	1	1.07
Potassium	1	mg/l	39	100	3.9	2.8	1.25	45	96	1.9	1.6	1.84	34	88	2.1	1.8	1.44	32	94	2.0	2.1	1.95
Sodium	1	mg/l	39	100	33	17	0.91	46	100	8	6	1.41	34	97	9	4.0	0.72	32	100	6	5	0.78
Bicarbonate	2	mg/l	35	100	47	23	1.07	46	100	19	16	1.77	30	100	33	14	0.75	27	100	14	14	2.14
Carbonate	2	mg/l	35	0	n/m	n/m	n/m	46	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m	27	0	n/m	n/m	n/m
Chloride	2	mg/l	35	100	48	16	0.77	46	93	5	4	1.48	27	74	10	2.6	0.57	26	73	3.2	2.6	1.21
Fluoride	0.1	mg/l	35	49	0.1	0.1	1.29	46	33	0.1	0.1	1.31	27	33	0.1	0.1	0.81	26	31	0.1	0.1	1.09
Nitrate	0.1	mg/l	35	97	2.7	2.2	1.58	46	96	2.5	1.7	1.06	27	96	4.6	2.2	0.93	26	88	2.2	1.5	1.30
Sulfate	0.1	mg/l	35	100	34	13	0.85	46	100	8	6	1.24	27	100	14	3.0	0.56	26	100	6	5	1.24
Alkalinity	4	mg/l	35	100	47	23	1.07	46	100	19	16	1.77	30	100	33	14	0.75	27	100	14	14	2.14
Hardness	2	mg/l	35	100	69	40	1.09	46	100	26	22	2.14	26	100	49	24	0.81	26	96	23	20	1.36
Dissolved Phosphorus	0.1	mg/l	35	94	0.3	0.2	1.16	44	95	0.3	0.3	1.25	21	100	0.2	0.1	0.88	27	96	0.2	0.2	1.07
Total Phosphorus	0.1	mg/l	35	97	0.4	0.3	1.30	44	98	0.4	0.3	1.23	21	100	0.2	0.1	0.93	27	96	0.3	0.2	1.07
COD	5	mg/l	40	88	78	64	1.10	44	82	45	29	0.99	33	85	70	26	0.51	32	84	65	38	0.82
pH	0-14		35	100	7.0	6.9	14.27	46	100	6.6	6.6	17.67	30	100	6.8	6.6	10.00	27	100	6.4	6.4	20.30
NH3-N	0.1	mg/l	36	78	1.0	0.3	0.46	46	74	0.2	0.1	1.15	29	90	0.5	0.3	0.80	30	93	0.5	0.3	1.04
Nitrate-N	0.1	mg/l	35	80	0.6	0.5	1.29	45	69	0.6	0.4	0.75	27	56	0.9	0.4	0.77	26	54	0.4	0.3	0.99
Nitrite-N	0.1	mg/l	36	78	0.2	0.1	0.57	46	78	0.1	0.1	1.39	27	67	0.1	0.1	0.55	26	73	0.1	0.1	0.87
Kjeldahl-N	0.1	mg/l	39	97	3.0	1.7	1.00	45	100	1.6	1.3	1.40	32	100	2.1	1.5	0.86	31	97	2.4	1.9	1.16
Specific Conductance	1	umhos/cm	33	100	346	167	1.00	45	100	89	79	1.89	24	100	151	53	0.72	27	96	81	58	1.13
Total Dissolved Solids	2	mg/l	33	100	208	98	1.03	45	100	56	50	1.85	24	100	94	31	0.72	27	96	50	36	1.14
Turbidity	0.1	NTU	36	100	31	24	1.50	47	100	30	19	0.68	29	100	24	10	0.62	27	100	20.1	11.9	0.87
Suspended Solids	2	mg/l	34	100	65.9	56.5	1.65	51	100	61.9	45.0	1.04	27	96	48.1	27.0	0.71	27	100	55.6	34.0	0.86
Volatile Suspended Solids	1	mg/l	34	100	32	28.5	1.89	45	98	24	18	1.12	27	93	20	15	0.97	26	92	28.7	24.5	0.94
MBAS	0.1	mg/l	29	76	0.2	0.1	0.73	40	73	0.1	0.1	1.57	27	48	0.1	0.0	1.09	30	73	0.1	0.1	1.41
Total Organic Carbon	1	mg/l	37	100	10	8	1.41	45	100	8	6.7	1.60	27	100	7	5.9	1.08	30	100	8.6	7.1	1.63
BOD	2	mg/l	28	96	27	24	1.75	39	100	22	21	1.81	21	95	14	13	1.22	22	100	18.4	17.6	1.79
Metals																						
Dissolved Aluminum	1	mg/l	33	27	205	0.5	0.26	50	46	119	0.5	0.55	35	29	86.0	0.5	0.40	28	25	196.9	0.5	0.31
Total Aluminum	1	mg/l	30	83	4,380	399	0.21	48	85	545	355	0.99	35	89	427	328	1.12	29	90	680	375.0	0.58
Dissolved Antimony	5	µg/l	40	8	n/m	n/m	n/m	53	4	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Total Antimony	5	µg/l	40	10	n/m	n/m	n/m	53	8	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	3	n/m	n/m	n/m
Dissolved Arsenic	5	µg/l	40	3	n/m	n/m	n/m	53	4	n/m	n/m	n/m	35	3	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Total Arsenic	5	µg/l	40	8	n/m	n/m	n/m	53	11	n/m	n/m	n/m	35	3	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Dissolved Barium	10	µg/l	40	68	27	17	0.91	53	68	16	13	1.40	35	60	18	15	1.17	29	66	20	16	0.90
Total Barium	10	µg/l	40	68	72	29	0.30	53	75	29	25	1.16	35	71	23	19	1.27	29	83	35	25	0.71

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

Table 4-19. Summary of Results for 1994-1999 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	29	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m	21	0	n/m	n/m	n/m	16	0	n/m	n/m	n/m
Total Beryllium	1	µg/l	40	3	n/m	n/m	n/m	53	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Dissolved Boron	100	µg/l	39	54	141	114	1.34	53	62	136	123	1.64	32	84	173	150	1.80	28	64	127	125	1.67
Total Boron	100	µg/l	40	65	182	180	1.40	53	83	200	202	1.92	33	97	237	227	2.20	28	93	190	173	2.20
Dissolved Cadmium	1	µg/l	40	8	n/m	n/m	n/m	53	6	n/m	n/m	n/m	35	3	n/m	n/m	n/m	29	7	n/m	n/m	n/m
Total Cadmium	1	µg/l	40	13	n/m	n/m	n/m	53	40	1.0	0.5	1.02	35	3	n/m	n/m	n/m	29	7	n/m	n/m	n/m
Dissolved Chromium	5	µg/l	40	8	n/m	n/m	n/m	53	15	n/m	n/m	n/m	35	6	n/m	n/m	n/m	29	3	n/m	n/m	n/m
Total Chromium	5	µg/l	40	38	17.9	2.5	0.20	53	40	5.2	2.5	0.92	35	17	n/m	n/m	n/m	29	10	n/m	n/m	n/m
Dissolved Chromium +6	10	µg/l	33	0	n/m	n/m	n/m	51	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Total Chromium +6	10	µg/l	33	0	n/m	n/m	n/m	51	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Dissolved Copper	5	µg/l	40	85	12.2	10.3	1.17	53	98	30.2	26.2	1.44	35	63	7.5	5.6	1.11	34	68	12.4	8.5	0.68
Total Copper	5	µg/l	39	100	27.2	22.0	1.58	52	100	46.9	39.0	1.53	35	91	12.5	12.0	1.86	34	100	19.5	14.2	0.75
Dissolved Iron	100	µg/l	39	56	382	106	0.36	53	40	202	50	0.48	35	26	227.9	50.0	0.43	29	28	490.3	50.0	0.33
Total Iron	100	µg/l	40	95	5,319	587	0.19	53	98	1,234	517	0.59	35	89	970	426	0.51	29	86	2,051	439	0.43
Dissolved Lead	5	µg/l	40	10	n/m	n/m	n/m	53	11	n/m	n/m	n/m	35	11	n/m	n/m	n/m	29	14	n/m	n/m	n/m
Total Lead	5	µg/l	40	55	14.6	3.5	0.37	53	60	10.5	5.2	0.73	35	40	6.8	2.5	0.71	34	62	14.1	6.0	0.41
Dissolved Manganese	100	µg/l	39	3	n/m	n/m	n/m	53	2	n/m	n/m	n/m	35	3	n/m	n/m	n/m	29	10	n/m	n/m	n/m
Total Manganese	100	µg/l	40	18	n/m	n/m	n/m	53	17	n/m	n/m	n/m	35	9	n/m	n/m	n/m	29	21	65.2	50.0	1.20
Dissolved Mercury	1	µg/l	37	5	n/m	n/m	n/m	52	4	n/m	n/m	n/m	30	0	n/m	n/m	n/m	28	0	n/m	n/m	n/m
Total Mercury	1	µg/l	37	5	n/m	n/m	n/m	52	2	n/m	n/m	n/m	30	0	n/m	n/m	n/m	28	0	n/m	n/m	n/m
Dissolved Nickel	5	µg/l	40	10	n/m	n/m	n/m	53	21	3.3	2.5	1.85	35	3	n/m	n/m	n/m	29	7	n/m	n/m	n/m
Nickel	5	µg/l	40	43	11.0	2.5	0.25	53	53	5.2	2.5	1.29	35	14	n/m	n/m	n/m	29	7	n/m	n/m	n/m
Dissolved Selenium	5	µg/l	40	0	n/m	n/m	n/m	53	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Total Selenium	5	µg/l	40	13	n/m	n/m	n/m	53	8	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	3	n/m	n/m	n/m
Dissolved Silver	1	µg/l	40	3	n/m	n/m	n/m	53	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Total Silver	1	µg/l	40	5	n/m	n/m	n/m	53	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Dissolved Thallium	5	µg/l	40	0	n/m	n/m	n/m	53	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Total Thallium	5	µg/l	40	0	n/m	n/m	n/m	53	0	n/m	n/m	n/m	35	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Dissolved Zinc	50	µg/l	40	90	152	130	1.52	53	91	181	160	1.46	35	57	94	55	0.66	34	79	131.7	89.5	0.76
Total Zinc	50	µg/l	40	100	241	192	1.41	53	100	286	222	1.06	35	94	168	104	0.76	34	100	211	130	0.71
Semi-Volatile Organics																						
Bis(2-ethylhexyl)phthalate	3	µg/l	25	76	18.1	7.5	0.49	39	82	13.0	7.5	0.82	23	100	20	9.9	0.82	26	81	15	9.3	0.77
All other SVOCs	1	µg/l	25	0	n/m	n/m	n/m	42	0	n/m	n/m	n/m	24	0	n/m	n/m	n/m	26	0	n/m	n/m	n/m
Pesticides																						
Organochlorine Pesticides & PCBs	0.5	µg/l	21	0	n/m	n/m	n/m	40	0	n/m	n/m	n/m	26	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Diazinon	0.01	µg/l	24	13	n/m	n/m	n/m	47	2	n/m	n/m	n/m	27	0	n/m	n/m	n/m	29	14	n/m	n/m	n/m
Chlorpyrifos	0.1	µg/l	24	0	n/m	n/m	n/m	47	0	n/m	n/m	n/m	27	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Other N- and P- Containing Pesticides	1	µg/l	24	0	n/m	n/m	n/m	47	0	n/m	n/m	n/m	27	0	n/m	n/m	n/m	29	0	n/m	n/m	n/m
Carbofuran	5	µg/l	22	0	n/m	n/m	n/m	47	0	n/m	n/m	n/m	33	0	n/m	n/m	n/m	33	0	n/m	n/m	n/m
Chlorinated Herbicides & Bentazon																						
2,4-D	10	µg/l	14	0	n/m	n/m	n/m	37	0	n/m	n/m	n/m	24	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m
2,4,5-TP	1	µg/l	14	0	n/m	n/m	n/m	37	0	n/m	n/m	n/m	24	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m
Bentazon	2	µg/l	14	0	n/m	n/m	n/m	37	0	n/m	n/m	n/m	24	0	n/m	n/m	n/m	30	0	n/m	n/m	n/m
Glyphosate	25	µg/l	26	0	n/m	n/m	n/m	49	6	n/m	n/m	n/m	32	3	n/m	n/m	n/m	33	0	n/m	n/m	n/m

Notes:
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