

Table 4-5a. Summary of 1994-2000 Mass Emissions Results by Site

Class Constituent	Data Included Since ^a	DL	Units	Ballona Creek						Malibu Creek						L.A. River					
				No. of Samples	No. of Non-detects	Percent Detects	Mean	Median	CV	No. of Samples	No. of Non-detects	Percent Detects	Mean	Median	CV	No. of Samples	No. of Non-detects	Percent Detects	Mean	Median	CV
Miscellaneous Constituents																					
Cyanide	96	0.01	mg/l	34	33	3	S.I.D.	S.I.D.	S.I.D.	32	30	6	S.I.D.	S.I.D.	S.I.D.	26	24	8	S.I.D.	S.I.D.	S.I.D.
TPH	94	1	mg/l	46	12	74	2.5	1.9	0.8	40	39	3	S.I.D.	S.I.D.	S.I.D.	31	5	84	2.5	1.9	0.74
Oil and Grease	94	1	mg/l	45	15	67	3.8	2.1	1.9	38	31	18	S.I.D.	S.I.D.	S.I.D.	31	9	71	2.5	1.5	0.89
Total Phenols	94	0.1	mg/l	45	45	0	S.I.D.	S.I.D.	S.I.D.	40	38	5	S.I.D.	S.I.D.	S.I.D.	31	31	0	S.I.D.	S.I.D.	S.I.D.
Indicator Bacteria																					
Total Coliform	94	20	MPN/100ml	46	1	98	1,704,131	400,000	2.30	40	1	98	679,925	125,000	3.84	31	1	97	2,213,291	500,000	1.86
Fecal Coliform	94	20	MPN/100ml	46	1	98	917,648	100,000	3.57	40	1	98	466,269	15,000	5.41	31	0	100	1,477,645	240,000	2.67
Ratio Fecal Coliform/Total Coliform	94			0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.	5	0	100	41%	36%	0.87	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Fecal Streptococcus	94	20	MPN/100ml	46	1	98	531,761	240,000	1.57	40	1	98	261,658	42,500	3.13	31	1	97	757,013	240,000	2.20
Fecal Enterococcus	94	20	MPN/100ml	28	0	100	433,639	150,000	1.34	24	0	100	60,720	4,000	3.06	20	1	95	358,468	57,500	1.71
General Minerals																					
Ammonia	94	0.1	mg/l	40	11	73	0.53	0.35	1.15	28	12	57	0.18	0.17	0.81	33	12	64	0.56	0.18	1.26
Calcium	96	1.0	mg/l	37	0	100	27	20	0.77	25	0	100	111	108	0.32	26	0	100	23	16	0.75
Magnesium	96	1.0	mg/l	37	0	100	8	5	1.03	25	0	100	61.7	55.0	0.43	26	0	100	5.9	3.8	1.06
Potassium	94	1.0	mg/l	40	0	100	3.2	2.9	0.46	31	0	100	5.4	4.8	0.34	33	0	100	3.7	3.4	0.51
Sodium	96	1.0	mg/l	39	0	100	20	13	0.89	29	0	100	95	91	0.38	29	0	100	17	11	0.84
Bicarbonate	94	2.0	mg/l	39	0	100	67	47	0.87	29	0	100	164	165	0.33	30	0	100	45	37	0.55
Carbonate	94	2.0	mg/l	39	39	0	S.I.D.	S.I.D.	S.I.D.	29	27	7	S.I.D.	S.I.D.	S.I.D.	30	30	0	S.I.D.	S.I.D.	S.I.D.
Chloride	94	2.0	mg/l	38	0	100	24	11	1.32	29	1	97	88	80	0.43	32	0	100	16	9.3	1.00
Fluoride	94	0.1	mg/l	38	13	66	0.20	0.14	0.87	29	2	93	0.22	0.24	0.32	32	13	59	0.15	0.13	0.74
Nitrate	94	0.1	mg/l	38	0	100	4.1	2.9	0.66	29	1	97	12.6	9.6	0.71	32	1	97	4.5	3.0	0.91
Sulfate	94	0.1	mg/l	38	0	100	39	21	1.17	29	1	97	346	328	0.50	32	0	100	28	18	1.02
Alkalinity	94	4.0	mg/l	39	0	100	63	46	0.84	29	0	100	157	159	0.34	30	0	100	42	37	0.56
Hardness	96	2.0	mg/l	37	0	100	103	72	0.85	25	0	100	509	496	0.44	26	0	100	79	52	0.87
COD	97	5	mg/l	35	1	97	64	42	0.81	29	2	93	75	55	0.90	25	2	92	95	61	1.27
pH	94	0-14		39	0	100	7.3	7.2	0.06	29	0	100	8.0	8.1	0.04	30	0	100	7.0	7.0	0.04
Specific Conductance	94	1.0	umhos/cm	38	0	100	317	205	0.90	28	0	100	1492	1340	0.38	30	0	100	227	162	0.68
Total Dissolved Solids	96	2.0	mg/l	37	0	100	199	130	0.91	26	0	100	963	877	0.35	26	0	100	144	99	0.75
Turbidity	94	0.1	NTU	39	0	100	74	65	0.74	28	0	100	175	68	1.65	30	0	100	127	99	0.76
Total Suspended Solids	96	2.0	mg/l	38	0	100	191	138	0.89	26	0	100	288	139	1.64	26	0	100	366	298	0.72
Volatile Suspended Solids	94	1.0	mg/l/hr	39	0	100	57	48	0.78	28	1	96	45	30	1.26	30	0	100	66	58	0.64
MBAS	97	0.05	mg/l	34	11	68	0.10	0.07	1.07	25	23	8	S.I.D.	S.I.D.	S.I.D.	25	15	40	0.05	0.03	0.63
Total Organic Carbon	94	1.0	mg/l	37	0	100	10	7	0.66	30	0	100	11	7	0.96	33	0	100	10	9	0.73
BOD	94	2.0	mg/l	37	2	95	29	18	1.87	28	2	93	10	6	0.90	29	0	100	26	23	0.84
Nutrients																					
Dissolved Phosphorus	94	0.05	mg/l	38	1	97	0.25	0.20	0.52	26	1	96	0.49	0.49	0.49	33	1	97	0.42	0.36	0.74
Total Phosphorus	94	0.05	mg/l	38	0	100	0.36	0.28	0.57	26	1	96	0.56	0.52	0.52	33	0	100	0.62	0.47	0.75
NH3-N	94	0.1	mg/l	40	14	65	0.43	0.29	1.15	28	13	54	0.15	0.14	0.78	33	15	55	0.47	0.15	1.25
Nitrate-N	96	0.1	mg/l	37	0	100	0.9	0.63	0.81	26	1	96	3.0	2.1	0.71	27	3	89	0.8	0.66	0.78
Nitrite-N	94	0.1	mg/l	39	2	95	0.14	0.08	1.10	29	26	10	S.I.D.	S.I.D.	S.I.D.	32	3	91	0.15	0.09	1.18
TKN	96	0.1	mg/l	38	0	100	3.3	2.6	0.79	28	1	96	1.9	1.4	0.65	29	0	100	3.5	3.1	0.77
Metals																					
Dissolved Aluminum	96	100	µg/l	39	21	46	304	50	2.11	29	22	24	621	50	2.95	29	10	66	1122	168	1.76
Total Aluminum	96	100	µg/l	39	5	87	710	208	1.56	29	4	86	2882	237	2.88	29	3	90	4499	505	2.52
Dissolved Antimony	97	5	µg/l	35	34	3	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.	25	24	4	S.I.D.	S.I.D.	S.I.D.
Total Antimony	97	5	µg/l	35	33	6	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.	25	24	4	S.I.D.	S.I.D.	S.I.D.
Dissolved Arsenic	97	5	µg/l	35	35	0	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.	25	24	4	S.I.D.	S.I.D.	S.I.D.
Total Arsenic	97	5	µg/l	35	34	3	S.I.D.	S.I.D.	S.I.D.	29	27	7	S.I.D.	S.I.D.	S.I.D.	25	20	20	4.0	3	0.90
Dissolved Barium	97	10	µg/l	35	3	91	39	35	0.66	29	2	93	45	42	0.42	25	3	88	44	34	0.82
Total Barium	97	10	µg/l	35	3	91	54	43	0.79	29	1	97	80	59	1.67	25	2	92	106	48	1.47
Dissolved Beryllium	97	1	µg/l	34	34	0	S.I.D.	S.I.D.	S.I.D.	28	28	0	S.I.D.	S.I.D.	S.I.D.	25	25	0	S.I.D.	S.I.D.	S.I.D.
Total Beryllium	97	1	µg/l	35	35	0	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.	25	25	0	S.I.D.	S.I.D.	S.I.D.
Dissolved Boron	97	100	µg/l	35	10	71	167	136	0.62	29	0	100	352	379	0.35	25	6	76	157	155	0.58
Total Boron	97	100	µg/l	35	5	86	220	204	0.53	29	0	100	427	417	0.37	25	6	76	216	231	0.55
Dissolved Cadmium	97	1	µg/l	35	33	6	S.I.D.	S.I.D.	S.I.D.	29	25	14	S.I.D.	S.I.D.	S.I.D.	25	19	24	1.6	1	1.67
Total Cadmium	97	1	µg/l	35	31	11	S.I.D.	S.I.D.	S.I.D.	29	24	17	S.I.D.	S.I.D.	S.I.D.	25	16	36	1.9	0.5	1.51
Dissolved Chromium	97	5	µg/l	35	34	3	S.I.D.	S.I.D.	S.I.D.	29	27	7	S.I.D.	S.I.D.	S.I.D.	25	20	20	5.8	3	1.30
Total Chromium	97	5	µg/l	35	27	23	3.9	2.5	0.76	29	20	31	11.3	2.5	2.24	25	14	44	15.4	2.5	1.70
Dissolved Chromium +6	94	10	µg/l	39	39	0	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.
Total Chromium +6	94	10	µg/l	39	39	0	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.
Dissolved Copper	97	5	µg/l	35	3	91	13	7.2	1.07	29	21	28	5.0	2.5	1.14	25	6	76	32	7.8	2.01
Total Copper	97	5	µg/l	35	0	100	22	15	0.75	29	1	97	16.7	9	1.88	25	0	100	49	15	2.00
Dissolved Iron	94	100	µg/l	40	20	50	422	80	2.72	32	21	34	622	50	2.41	33	7	79	1514	230	2.29

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Class Constituent	Data Included Since ^a	DL	Units	Ballona Creek						Malibu Creek						L.A. River					
				No. of Samples	No. of Non-detects	Percent Detects	Mean	Median	CV	No. of Samples	No. of Non-detects	Percent Detects	Mean	Median	CV	No. of Samples	No. of Non-detects	Percent Detects	Mean	Median	CV
Total Iron	94	100	µg/l	40	1	98	1863	480	1.94	32	7	78	7141	346	2.86	33	3	91	7052	940	1.98
Dissolved Lead	97	5	µg/l	35	32	9	S.I.D.	S.I.D.	S.I.D.	29	28	3	S.I.D.	S.I.D.	S.I.D.	25	16	36	53	2.5	2.21
Total Lead	97	5	µg/l	35	21	40	12	2.5	1.84	29	25	14	S.I.D.	S.I.D.	S.I.D.	25	5	80	109	18	2.47
Dissolved Manganese	98	100	µg/l	28	28	0	S.I.D.	S.I.D.	S.I.D.	20	20	0	S.I.D.	S.I.D.	S.I.D.	15	15	0	S.I.D.	S.I.D.	S.I.D.
Total Manganese	98	100	µg/l	28	24	14	S.I.D.	S.I.D.	S.I.D.	20	15	25	98	50	1.01	15	12	20	89	50	1.32
Dissolved Mercury	94	1	µg/l	39	39	0	S.I.D.	S.I.D.	S.I.D.	31	31	0	S.I.D.	S.I.D.	S.I.D.	33	33	0	S.I.D.	S.I.D.	S.I.D.
Total Mercury	94	1	µg/l	39	37	5	S.I.D.	S.I.D.	S.I.D.	31	30	3	S.I.D.	S.I.D.	S.I.D.	33	32	3	S.I.D.	S.I.D.	S.I.D.
Dissolved Nickel	97	5	µg/l	35	29	17	S.I.D.	S.I.D.	S.I.D.	29	21	28	5.7	2.5	1.64	25	14	44	9.1	2.5	1.39
Nickel	97	5	µg/l	35	15	57	6.4	6.0	0.71	29	13	55	15.1	5.5	1.94	25	10	60	14.5	7.4	1.47
Dissolved Selenium	94	5	µg/l	40	40	0	S.I.D.	S.I.D.	S.I.D.	32	32	0	S.I.D.	S.I.D.	S.I.D.	33	33	0	S.I.D.	S.I.D.	S.I.D.
Total Selenium	94	5	µg/l	40	37	8	S.I.D.	S.I.D.	S.I.D.	32	31	3	S.I.D.	S.I.D.	S.I.D.	33	31	6	S.I.D.	S.I.D.	S.I.D.
Dissolved Silver	97	1	µg/l	35	34	3	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.	25	25	0	S.I.D.	S.I.D.	S.I.D.
Total Silver	97	1	µg/l	35	33	6	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.	25	22	12	S.I.D.	S.I.D.	S.I.D.
Dissolved Thallium	97	5	µg/l	35	35	0	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.	25	25	0	S.I.D.	S.I.D.	S.I.D.
Total Thallium	97	5	µg/l	35	35	0	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.	25	25	0	S.I.D.	S.I.D.	S.I.D.
Dissolved Zinc	94	50	µg/l	40	27	33	66	25	1.34	32	29	9	S.I.D.	S.I.D.	S.I.D.	33	20	39	152	25	2.40
Total Zinc	94	50	µg/l	40	7	83	136	76	1.30	32	23	28	53	25	1.27	33	8	76	253	88	1.83
SVOCs																					
Bis(2-ethylhexyl)phthalate	99	1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	3	63	5	2.3	1.28	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
PAHs																					
Acenaphthene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	7	13	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Acenaphthylene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	7	13	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Antracene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	8	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Benzo(a)anthracene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	8	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Benzo(a)pyrene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	8	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Benzo(b)fluoranthene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	7	13	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Benzo(k)fluoranthene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	8	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Chrysene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	7	13	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Dibenz(a,h)anthracene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	8	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Fluoranthene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	5	38	0.076	0.050	0.50	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Fluorene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	8	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Indeno(1,2,3-cd)pyrene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	8	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Naphthalene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	7	13	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Phenanthrene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	6	25	0.043	0.025	0.95	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Pyrene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	8	4	50	0.151	0.058	1.50	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
All other SVOCs	94	0.05-5.0	µg/l	16	16	0	S.I.D.	S.I.D.	S.I.D.	27	27	0	S.I.D.	S.I.D.	S.I.D.	16	16	0	S.I.D.	S.I.D.	S.I.D.
Pesticides																					
Organochlorine Pesticides & PCBs	94	0.05-1.0	µg/l	13	13	0	S.I.D.	S.I.D.	S.I.D.	28	28	0	S.I.D.	S.I.D.	S.I.D.	15	15	0	S.I.D.	S.I.D.	S.I.D.
Carbofuran	96	5	µg/l	38	38	0	S.I.D.	S.I.D.	S.I.D.	26	26	0	S.I.D.	S.I.D.	S.I.D.	29	29	0	S.I.D.	S.I.D.	S.I.D.
Glyphosate	98	25	µg/l	28	28	0	S.I.D.	S.I.D.	S.I.D.	19	19	0	S.I.D.	S.I.D.	S.I.D.	15	14	7	S.I.D.	S.I.D.	S.I.D.
Organo-Phosphate Pesticides																					
Diazinon	96	0.01	µg/l	38	31	18	S.I.D.	S.I.D.	S.I.D.	28	26	7	S.I.D.	S.I.D.	S.I.D.	28	26	7	S.I.D.	S.I.D.	S.I.D.
Chlorpyrifos	96	0.05	µg/l	38	38	0	S.I.D.	S.I.D.	S.I.D.	28	28	0	S.I.D.	S.I.D.	S.I.D.	28	28	0	S.I.D.	S.I.D.	S.I.D.
N- and P-Containing Pesticides																					
Thiobencarb	96	1	µg/l	38	36	5	S.I.D.	S.I.D.	S.I.D.	28	28	0	S.I.D.	S.I.D.	S.I.D.	28	28	0	S.I.D.	S.I.D.	S.I.D.
All other N- and P- Pesticides	94	1.0-2.0	µg/l	39	39	0	S.I.D.	S.I.D.	S.I.D.	30	30	0	S.I.D.	S.I.D.	S.I.D.	31	31	0	S.I.D.	S.I.D.	S.I.D.
Phenoxyacetic Acid Herbicides																					
2,4-D	96	10	µg/l	14	14	0	S.I.D.	S.I.D.	S.I.D.	24	24	0	S.I.D.	S.I.D.	S.I.D.	14	14	0	S.I.D.	S.I.D.	S.I.D.
2,4,5-TP	96	1	µg/l	14	14	0	S.I.D.	S.I.D.	S.I.D.	24	24	0	S.I.D.	S.I.D.	S.I.D.	14	14	0	S.I.D.	S.I.D.	S.I.D.
Bentazon	96	2	µg/l	14	14	0	S.I.D.	S.I.D.	S.I.D.	24	24	0	S.I.D.	S.I.D.	S.I.D.	14	14	0	S.I.D.	S.I.D.	S.I.D.

Table 4-5a. Summary of 1994-2000 Mass Emissions Results by Site

Class Constituent	Data Included Since ^a	DL	Units	Coyote Creek					San Gabriel River						
				No. of Samples	No. of Non-detects	Percent Detects	Mean	Median	CV	No. of Samples	No. of Non-detects	Percent Detects	Mean	Median	CV
Miscellaneous Constituents															
Cyanide	96	0.01	mg/l	2	1	50	S.I.D.	S.I.D.	S.I.D.	34	22	35	0.022	0.005	2.39
TPH	94	1	mg/l	7	2	71	2.1	1.0	0.99	39	31	21	0.7	0.5	0.68
Oil and Grease	94	1	mg/l	7	2	71	2.5	2.1	0.85	39	26	33	1.0	0.5	0.88
Total Phenols	94	0.1	mg/l	6	6	0	S.I.D.	S.I.D.	S.I.D.	38	37	3	S.I.D.	S.I.D.	S.I.D.
Indicator Bacteria															
Total Coliform	94	20	MPN/100ml	7	1	86	4,765,716	1,600,000	1.24	39	1	97	1,348,795	300,000	2.19
Fecal Coliform	94	20	MPN/100ml	7	0	100	2,892,714	900,000	2.01	39	1	97	768,098	30,000	3.48
Ratio Fecal Coliform/Total Coliform	94			0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.	1	0	100	S.I.D.	S.I.D.	S.I.D.
Fecal Streptococcus	94	20	MPN/100ml	7	1	86	471,859	240,000	1.32	39	1	97	610,734	90,000	4.18
Fecal Enterococcus	94	20	MPN/100ml	6	1	83	396,335	175,000	1.64	21	0	100	88,380	16,000	2.30
General Minerals															
Ammonia	94	0.1	mg/l	44	11	75	0.85	0.42	1.39	43	18	58	1.1	0.49	1.44
Calcium	96	1.0	mg/l	40	0	100	33	28	0.51	36	0	100	43	36	0.42
Magnesium	96	1.0	mg/l	40	0	100	10.2	7.5	0.90	36	0	100	12.5	10.0	0.48
Potassium	94	1.0	mg/l	44	0	100	4.1	4.0	0.43	43	0	100	5.5	5.1	0.31
Sodium	96	1.0	mg/l	40	0	100	45	30	1.16	38	0	100	41	35	0.51
Bicarbonate	94	2.0	mg/l	45	0	100	83	71	0.62	41	0	100	92	77	0.45
Carbonate	94	2.0	mg/l	45	45	0	S.I.D.	S.I.D.	S.I.D.	41	41	0	S.I.D.	S.I.D.	S.I.D.
Chloride	94	2.0	mg/l	45	0	100	39	28	0.98	41	0	100	51	44	0.55
Fluoride	94	0.1	mg/l	45	10	78	0.23	0.19	0.78	41	2	95	0.21	0.18	0.44
Nitrate	94	0.1	mg/l	45	1	98	6.9	5.0	0.87	41	0	100	8.8	7.5	0.51
Sulfate	94	0.1	mg/l	45	0	100	77	47	1.11	41	0	100	77	70	0.47
Alkalinity	94	4.0	mg/l	45	0	100	78	67	0.59	41	0	100	88	77	0.47
Hardness	96	2.0	mg/l	40	0	100	126	105	0.60	36	0	100	161	133	0.43
COD	97	5	mg/l	36	1	97	81	55	0.80	34	1	97	62	56	0.73
pH	94	0-14		45	0	100	7.4	7.4	0.05	41	0	100	7.5	7.5	0.04
Specific Conductance	94	1.0	umhos/cm	44	0	100	468	352	0.87	40	0	100	528	435	0.44
Total Dissolved Solids	96	2.0	mg/l	39	0	100	288	194	0.91	36	0	100	331	279	0.47
Turbidity	94	0.1	NTU	45	0	100	97	64	1.26	41	0	100	100	41	1.61
Total Suspended Solids	96	2.0	mg/l	40	0	100	303	196	1.27	36	0	100	166	96	1.21
Volatile Suspended Solids	94	1.0	mg/l/hr	45	0	100	60	44	1.10	41	0	100	29	23	0.85
MBAS	97	0.05	mg/l	35	14	60	0.09	0.07	0.95	34	23	32	0.06	0.03	1.25
Total Organic Carbon	94	1.0	mg/l	43	0	100	12	10	0.67	41	0	100	9	7	0.59
BOD	94	2.0	mg/l	40	0	100	24	20	0.90	39	2	95	33	32	0.81
Nutrients															
Dissolved Phosphorus	94	0.05	mg/l	43	2	95	0.26	0.20	0.77	42	0	100	0.39	0.35	0.51
Total Phosphorus	94	0.05	mg/l	43	0	100	0.40	0.28	0.84	42	0	100	0.51	0.43	0.56
NH3-N	94	0.1	mg/l	43	12	72	0.70	0.33	1.40	41	18	56	1.0	0.41	1.44
Nitrate-N	96	0.1	mg/l	39	1	97	1.4	1.0	0.92	37	0	100	1.8	1.6	0.45
Nitrite-N	94	0.1	mg/l	45	2	96	0.20	0.10	1.73	41	2	95	0.37	0.30	0.75
TKN	96	0.1	mg/l	40	0	100	3.5	2.2	0.85	38	0	100	3.1	2.7	0.62
Metals															
Dissolved Aluminum	96	100	µg/l	40	24	40	466	50	1.93	38	20	47	481	50	1.87
Total Aluminum	96	100	µg/l	40	3	93	1257	419	1.50	38	4	89	1569	333	1.68
Dissolved Antimony	97	5	µg/l	36	36	0	S.I.D.	S.I.D.	S.I.D.	34	34	0	S.I.D.	S.I.D.	S.I.D.
Total Antimony	97	5	µg/l	36	36	0	S.I.D.	S.I.D.	S.I.D.	34	34	0	S.I.D.	S.I.D.	S.I.D.
Dissolved Arsenic	97	5	µg/l	36	35	3	S.I.D.	S.I.D.	S.I.D.	34	34	0	S.I.D.	S.I.D.	S.I.D.
Total Arsenic	97	5	µg/l	36	34	6	S.I.D.	S.I.D.	S.I.D.	34	32	6	S.I.D.	S.I.D.	S.I.D.
Dissolved Barium	97	10	µg/l	36	4	89	48	41	0.81	34	2	94	53	56	0.46
Total Barium	97	10	µg/l	36	4	89	72	49	1.11	34	2	94	73	71	0.60
Dissolved Beryllium	97	1	µg/l	36	36	0	S.I.D.	S.I.D.	S.I.D.	33	33	0	S.I.D.	S.I.D.	S.I.D.
Total Beryllium	97	1	µg/l	36	36	0	S.I.D.	S.I.D.	S.I.D.	34	34	0	S.I.D.	S.I.D.	S.I.D.
Dissolved Boron	97	100	µg/l	36	5	86	179	162	0.55	34	6	82	200	195	0.56
Total Boron	97	100	µg/l	36	4	89	231	225	0.53	34	2	94	271	265	0.51
Dissolved Cadmium	97	1	µg/l	36	34	6	S.I.D.	S.I.D.	S.I.D.	34	31	9	S.I.D.	S.I.D.	S.I.D.
Total Cadmium	97	1	µg/l	36	31	14	S.I.D.	S.I.D.	S.I.D.	34	29	15	S.I.D.	S.I.D.	S.I.D.
Dissolved Chromium	97	5	µg/l	36	33	8	S.I.D.	S.I.D.	S.I.D.	34	32	6	S.I.D.	S.I.D.	S.I.D.
Total Chromium	97	5	µg/l	36	26	28	6.6	2.5	1.54	34	26	24	5.8	2.5	1.27
Dissolved Chromium +6	94	10	µg/l	40	40	0	S.I.D.	S.I.D.	S.I.D.	38	38	0	S.I.D.	S.I.D.	S.I.D.
Total Chromium +6	94	10	µg/l	40	40	0	S.I.D.	S.I.D.	S.I.D.	38	38	0	S.I.D.	S.I.D.	S.I.D.
Dissolved Copper	97	5	µg/l	36	13	64	13	6.5	1.51	34	24	29	6.0	2.5	1.18
Total Copper	97	5	µg/l	36	1	97	21	14	1.18	34	2	94	12.9	8	0.87
Dissolved Iron	94	100	µg/l	45	19	58	780	168	2.63	43	22	49	561	50	2.50

Table 4-5a. Summary of 1994-2000 Mass Emissions Results by Site

Class Constituent	Data Included Since ^a	DL	Units	Coyote Creek						San Gabriel River					
				No. of Samples	No. of Non-detects	Percent Detects	Mean	Median	CV	No. of Samples	No. of Non-detects	Percent Detects	Mean	Median	CV
Total Iron	94	100	µg/l	45	2	96	3801	830	1.92	43	4	91	2772	680	1.68
Dissolved Lead	97	5	µg/l	36	30	17	S.I.D.	S.I.D.	S.I.D.	34	29	15	S.I.D.	S.I.D.	S.I.D.
Total Lead	97	5	µg/l	36	26	28	11	2.5	2.23	34	25	26	7	2.5	1.40
Dissolved Manganese	98	100	µg/l	26	26	0	S.I.D.	S.I.D.	S.I.D.	23	23	0	S.I.D.	S.I.D.	S.I.D.
Total Manganese	98	100	µg/l	26	21	19	S.I.D.	S.I.D.	S.I.D.	23	22	4	S.I.D.	S.I.D.	S.I.D.
Dissolved Mercury	94	1	µg/l	45	45	0	S.I.D.	S.I.D.	S.I.D.	43	43	0	S.I.D.	S.I.D.	S.I.D.
Total Mercury	94	1	µg/l	45	45	0	S.I.D.	S.I.D.	S.I.D.	43	43	0	S.I.D.	S.I.D.	S.I.D.
Dissolved Nickel	97	5	µg/l	36	28	22	4.2	2.5	0.92	34	28	18	S.I.D.	S.I.D.	S.I.D.
Nickel	97	5	µg/l	36	18	50	7.5	3.8	1.09	34	24	29	5.5	2.5	1.07
Dissolved Selenium	94	5	µg/l	45	45	0	S.I.D.	S.I.D.	S.I.D.	43	43	0	S.I.D.	S.I.D.	S.I.D.
Total Selenium	94	5	µg/l	45	40	11	S.I.D.	S.I.D.	S.I.D.	43	40	7	S.I.D.	S.I.D.	S.I.D.
Dissolved Silver	97	1	µg/l	36	36	0	S.I.D.	S.I.D.	S.I.D.	34	34	0	S.I.D.	S.I.D.	S.I.D.
Total Silver	97	1	µg/l	36	35	3	S.I.D.	S.I.D.	S.I.D.	34	34	0	S.I.D.	S.I.D.	S.I.D.
Dissolved Thallium	97	5	µg/l	36	36	0	S.I.D.	S.I.D.	S.I.D.	34	34	0	S.I.D.	S.I.D.	S.I.D.
Total Thallium	97	5	µg/l	36	36	0	S.I.D.	S.I.D.	S.I.D.	34	34	0	S.I.D.	S.I.D.	S.I.D.
Dissolved Zinc	94	50	µg/l	45	34	24	76	25	1.99	43	35	19	S.I.D.	S.I.D.	S.I.D.
Total Zinc	94	50	µg/l	45	15	67	125	69	1.27	43	20	53	77	51	0.97
SVOCs															
Bis(2-ethylhexyl)phthalate	99	1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
PAHs															
Acenaphthene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Acenaphthylene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Antracene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Benzo(a)anthracene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Benzo(a)pyrene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Benzo(b)fluoranthene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Benzo(k)fluoranthene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Chrysene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Dibenz(a,h)anthracene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Fluoranthene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Fluorene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Indeno (1,2,3-cd)pyrene	99	0.1	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Naphthalene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Phenanthrene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
Pyrene	99	0.05	µg/l	1	1	0	S.I.D.	S.I.D.	S.I.D.	0	0	S.I.D.	S.I.D.	S.I.D.	S.I.D.
All other SVOCs	94	0.05-5.0	µg/l	23	23	0	S.I.D.	S.I.D.	S.I.D.	21	21	0	S.I.D.	S.I.D.	S.I.D.
Pesticides															
Organochlorine Pesticides & PCBs	94	0.05-1.0	µg/l	19	19	0	S.I.D.	S.I.D.	S.I.D.	18	18	0	S.I.D.	S.I.D.	S.I.D.
Carbofuran	96	5	µg/l	39	39	0	S.I.D.	S.I.D.	S.I.D.	37	37	0	S.I.D.	S.I.D.	S.I.D.
Glyphosate	98	25	µg/l	26	25	4	S.I.D.	S.I.D.	S.I.D.	23	21	9	S.I.D.	S.I.D.	S.I.D.
Organo-Phosphate Pesticides															
Diazinon	96	0.01	µg/l	36	30	17	S.I.D.	S.I.D.	S.I.D.	37	31	16	S.I.D.	S.I.D.	S.I.D.
Chlorpyrifos	96	0.05	µg/l	36	36	0	S.I.D.	S.I.D.	S.I.D.	37	37	0	S.I.D.	S.I.D.	S.I.D.
N- and P-Containing Pesticides															
Thiobencarb	96	1	µg/l	36	34	6	S.I.D.	S.I.D.	S.I.D.	37	37	0	S.I.D.	S.I.D.	S.I.D.
All other N- and P- Pesticides	94	1.0-2.0	µg/l	41	41	0	S.I.D.	S.I.D.	S.I.D.	41	41	0	S.I.D.	S.I.D.	S.I.D.
Phenoxyacetic Acid Herbicides															
2,4-D	96	10	µg/l	17	17	0	S.I.D.	S.I.D.	S.I.D.	17	17	0	S.I.D.	S.I.D.	S.I.D.
2,4,5-TP	96	1	µg/l	17	17	0	S.I.D.	S.I.D.	S.I.D.	17	17	0	S.I.D.	S.I.D.	S.I.D.
Bentazon	96	2	µg/l	17	17	0	S.I.D.	S.I.D.	S.I.D.	17	17	0	S.I.D.	S.I.D.	S.I.D.

CV = Coefficient of variation

DL = Detection Limit

S.I.D. = Statistically Invalid Data, not enough data above detection limit collected

a) Detection limits have changed throughout the monitoring process. Only data matching the current detection limit is displayed in this table. The *Data Included Since* field indicates the first year of the storm season with the current detection limit.