

Table 4-13. 2000-2001 Critical Source Statistical Results by Category

Class	Class Constituent	DL	Units	Auto Dismantling Companies - Control						Auto Dismantling Companies - Test					
				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	TPH as Diesel	0.5	mg/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	TPH as Gas	0.5	mg/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	Oil and Grease	1	mg/l	3	0	100%	9.53	10.30	0.44	3	0	100%	11.37	11.80	0.11
Indicator Bacteria	Total Coliform	20	MPN/100ml	3	0	100%	3900.00	5000.00	0.49	3	0	100%	20466.67	9000.00	1.26
	Fecal Coliform	20	MPN/100ml	3	0	100%	3420.00	5000.00	0.80	3	0	100%	20466.67	9000.00	1.26
	Fecal Streptococcus	20	MPN/100ml	3	0	100%	16000.00	9000.00	0.76	3	0	100%	643333.33	220000.00	1.29
	Fecal Enterococcus	20	MPN/100ml	3	0	100%	16000.00	9000.00	0.76	3	0	100%	596666.67	140000.00	1.46
General Minerals	COD	5	mg/l	1	0	100%	110.00	110.00	0.00	1	0	100%	59.70	59.70	0.00
	pH	14		1	0	100%	6.46	6.46	0.00	1	0	100%	6.66	6.66	0.00
	Specific Conductance	1	umhos/cm	1	0	100%	136.00	136.00	0.00	1	0	100%	154.00	154.00	0.00
	Total Dissolved Solids	2	mg/l	1	0	100%	88.00	88.00	0.00	1	0	100%	88.00	88.00	0.00
	Suspended Solids	2	mg/l	1	0	100%	67.00	67.00	0.00	1	0	100%	125.00	125.00	0.00
	MBAS	0.05	mg/l	1	0	100%	0.14	0.14	0.00	1	0	100%	0.16	0.16	0.00
	Total Organic Carbon	1	mg/l	1	0	100%	24.42	24.42	0.00	1	0	100%	16.68	16.68	0.00
Metals	Dissolved Aluminum	100	ug/l	1	1	0%	SID	SID	SID	1	1	0%	SID	SID	SID
	Total Aluminum	100	ug/l	1	0	100%	367.00	367.00	0.00	1	0	100%	791.00	791.00	0.00
	Dissolved Cadmium	1	ug/l	1	0	100%	3.36	3.36	0.00	1	0	100%	2.30	2.30	0.00
	Total Cadmium	1	ug/l	1	0	100%	3.36	3.36	0.00	1	0	100%	2.85	2.85	0.00
	Dissolved Chromium	5	ug/l	1	1	0%	SID	SID	SID	1	1	0%	SID	SID	SID
	Total Chromium	5	ug/l	1	1	0%	SID	SID	SID	1	1	0%	SID	SID	SID
	Dissolved Copper	5	ug/l	1	0	100%	46.50	46.50	0.00	1	0	100%	31.80	31.80	0.00
	Total Copper	5	ug/l	1	0	100%	48.10	48.10	0.00	1	0	100%	42.50	42.50	0.00
	Dissolved Iron	100	ug/l	1	0	100%	250.00	250.00	0.00	1	0	100%	330.00	330.00	0.00
	Total Iron	100	ug/l	1	0	100%	1030.00	1030.00	0.00	1	0	100%	1840.00	1840.00	0.00
	Dissolved Lead	5	ug/l	1	1	0%	SID	SID	SID	1	1	0%	SID	SID	SID
	Total Lead	5	ug/l	1	0	100%	17.50	17.50	0.00	1	0	100%	32.20	32.20	0.00
	Dissolved Nickel	5	ug/l	1	0	100%	39.50	39.50	0.00	1	1	0%	SID	SID	SID
	Nickel	5	ug/l	1	0	100%	39.50	39.50	0.00	1	0	100%	25.60	25.60	0.00
	Dissolved Zinc	50	ug/l	1	0	100%	325.00	325.00	0.00	1	0	100%	425.00	425.00	0.00
	Total Zinc	50	ug/l	1	0	100%	325.00	325.00	0.00	1	0	100%	425.00	425.00	0.00
SVOCs	Anthracene	0.5	ug/l												
	Benzo(a)anthracene	1	ug/l												
	Benzo(a)pyrene	1	ug/l												
	Benzo(b)fluoranthene	1	ug/l												
	Benzo(k)fluoranthene	1	ug/l												
	Benzyl butyl phthalate	3	ug/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	Bis(2-ethylhexyl)phthalate	3	ug/l	3	0	100%	24.73	27.00	0.42	3	0	100%	38.17	40.70	0.60
	Chrysene	1	ug/l												
	Di-n-octylphthalate	3	ug/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	Dibenz(a,h)anthracene	1	ug/l												
	Fluoranthene	1	ug/l												
	Indeno (1,2,3-cd) pyrene	1	ug/l												
	Phenanthrene	0.5	ug/l												
	Pyrene	0.5	ug/l												
	All other SVOCs	0.05-5.0	ug/l	3	3	0%					3	3	0%		

Note: Control = No BMP implemented

Test = BMP implemented

CV = Coefficient of variation

DL = Detection Limit

SID = Statistically Invalid Data

Non-detects are replaced with half the detection limit to calculate Mean, Median, and CV

Table 4-13. 2000-2001 Critical Source Statistical Results by Category

Class	Class Constituent	DL	Units	Auto Repair Companies - Control						Auto Repair Companies - Test						
				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	TPH as Diesel	0.5	mg/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID	
	TPH as Gas	0.5	mg/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID	
	Oil and Grease	1	mg/l	3	0	100%	6.70	4.10	0.82	3	0	100%	3.73	2.80	0.70	
Indicator Bacteria	Total Coliform	20	MPN/100ml	3	0	100%	11966.67	5000.00	1.32	3	0	100%	16333.33	16000.00	0.46	
	Fecal Coliform	20	MPN/100ml	3	0	100%	10270.00	700.00	1.66	3	0	100%	15000.00	16000.00	0.64	
	Fecal Streptococcus	20	MPN/100ml	3	0	100%	36333.33	50000.00	0.65	3	0	100%	33566.67	9000.00	1.46	
	Fecal Enterococcus	20	MPN/100ml	3	0	100%	27000.00	22000.00	0.78	3	0	100%	7590.00	500.00	1.64	
	COD	5	mg/l	1	0	100%	106.00	106.00	0.00	1	0	100%	31.10	31.10	0.00	
General Minerals	pH	14		1	0	100%	5.83	5.83	0.00	1	0	100%	6.50	6.50	0.00	
	Specific Conductance	1	umhos/cm	1	0	100%	146.00	146.00	0.00	1	0	100%	38.60	38.60	0.00	
	Total Dissolved Solids	2	mg/l	1	0	100%	90.00	90.00	0.00	1	0	100%	24.00	24.00	0.00	
	Suspended Solids	2	mg/l	1	0	100%	63.00	63.00	0.00	1	0	100%	52.00	52.00	0.00	
	MBAS	0.05	mg/l	1	0	100%	0.40	0.40	0.00	1	0	100%	0.10	0.10	0.00	
	Total Organic Carbon	1	mg/l	1	0	100%	24.75	24.75	0.00	1	0	100%	5.84	5.84	0.00	
	Metals	Dissolved Aluminum	100	ug/l	1	1	0%	SID	SID	SID	1	1	0%	SID	SID	SID
		Total Aluminum	100	ug/l	1	0	100%	800.00	800.00	0.00	1	0	100%	340.00	340.00	0.00
		Dissolved Cadmium	1	ug/l	1	1	0%	SID	SID	SID	1	1	0%	SID	SID	SID
		Total Cadmium	1	ug/l	1	0	100%	1.51	1.51	0.00	1	1	0%	SID	SID	SID
Dissolved Chromium		5	ug/l	1	1	0%	SID	SID	SID	1	1	0%	SID	SID	SID	
Total Chromium		5	ug/l	1	0	100%	5.18	5.18	0.00	1	1	0%	SID	SID	SID	
Dissolved Copper		5	ug/l	1	0	100%	45.40	45.40	0.00	1	0	100%	22.50	22.50	0.00	
Total Copper		5	ug/l	1	0	100%	69.20	69.20	0.00	1	0	100%	39.50	39.50	0.00	
Dissolved Iron		100	ug/l	1	1	0%	SID	SID	SID	1	1	0%	SID	SID	SID	
Total Iron		100	ug/l	1	0	100%	1970.00	1970.00	0.00	1	0	100%	790.00	790.00	0.00	
Dissolved Lead		5	ug/l	1	1	0%	SID	SID	SID	1	0	100%	36.20	36.20	0.00	
Total Lead		5	ug/l	1	0	100%	21.20	21.20	0.00	1	0	100%	172.00	172.00	0.00	
Dissolved Nickel		5	ug/l	1	0	100%	14.90	14.90	0.00	1	1	0%	SID	SID	SID	
Nickel		5	ug/l	1	0	100%	15.30	15.30	0.00	1	1	0%	SID	SID	SID	
Dissolved Zinc		50	ug/l	1	0	100%	299.00	299.00	0.00	1	0	100%	156.00	156.00	0.00	
Total Zinc	50	ug/l	1	0	100%	350.00	350.00	0.00	1	0	100%	156.00	156.00	0.00		
SVOCs	Anthracene	0.5	ug/l													
	Benzo(a)anthracene	1	ug/l													
	Benzo(a)pyrene	1	ug/l													
	Benzo(b)fluoranthene	1	ug/l													
	Benzo(k)fluoranthene	1	ug/l													
	Benzyl butyl phthalate	3	ug/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID	
	Bis(2-ethylhexyl)phthalate	3	ug/l	3	0	100%	13.43	6.30	1.06	3	0	100%	12.57	11.30	0.28	
	Chrysene	1	ug/l													
	Di-n-octylphthalate	3	ug/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID	
	Dibenz(a,h)anthracene	1	ug/l													
	Fluoranthene	1	ug/l													
	Indeno (1,2,3-cd) pyrene	1	ug/l													
	Phenanthrene	0.5	ug/l													
	Pyrene	0.5	ug/l													
	All other SVOCs	0.05-5.0	ug/l	3	3	0%					3	3	0%			

Note: Control = No BMP implemented

Test = BMP implemented

CV = Coefficient of variation

DL = Detection Limit

SID = Statistically Invalid Data

Non-detects are replaced with half the detection limit to calculate Mean, Median, and CV

Table 4-13. 2000-2001 Critical Source Statistical Results by Category

Class	Class Constituent	DL	Units	Fabricated Metals Companies - Control						Fabricated Metals Companies - Test						
				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	TPH as Diesel	0.5	mg/l	9	9	0%	SID	SID	SID	5	5	0%	SID	SID	SID	
	TPH as Gas	0.5	mg/l	9	9	0%	SID	SID	SID	6	6	0%	SID	SID	SID	
	Oil and Grease	1	mg/l	9	1	89%	2.97	1.40	0.92	6	2	67%	2.48	1.55	1.10	
Indicator Bacteria	Total Coliform	20	MPN/100ml	9	0	100%	259966.67	160000.00	1.70	6	1	83%	51058.33	8115.00	1.85	
	Fecal Coliform	20	MPN/100ml	9	0	100%	130055.56	14000.00	1.77	6	1	83%	22693.33	8055.00	1.55	
	Fecal Streptococcus	20	MPN/100ml	9	0	100%	69666.67	22000.00	1.39	6	1	83%	427258.33	1750.00	2.27	
	Fecal Enterococcus	20	MPN/100ml	9	0	100%	66088.89	17000.00	1.50	6	1	83%	408613.33	815.00	2.39	
	COD	5	mg/l	3	0	100%	79.93	85.50	0.55	2	0	100%	144.15	144.15	1.07	
General Minerals	pH	14		3	0	100%	6.07	5.94	0.06	2	0	100%	6.24	6.24	0.04	
	Specific Conductance	1	umhos/cm	3	0	100%	87.17	65.30	0.59	2	0	100%	213.35	213.35	1.20	
	Total Dissolved Solids	2	mg/l	3	0	100%	50.00	36.00	0.59	2	0	100%	135.00	135.00	1.20	
	Suspended Solids	2	mg/l	3	0	100%	77.33	79.00	0.76	2	0	100%	603.00	603.00	1.05	
	MBAS	0.05	mg/l	3	0	100%	0.28	0.24	0.64	2	0	100%	0.31	0.31	0.81	
	Total Organic Carbon	1	mg/l	3	0	100%	13.40	9.90	0.74	2	0	100%	45.81	45.81	1.28	
	Dissolved Aluminum	100	ug/l	3	2	33%	74.67	50.00	0.57	2	0	100%	238.50	238.50	0.80	
	Total Aluminum	100	ug/l	3	0	100%	775.00	384.00	1.10	2	0	100%	4348.50	4348.50	1.37	
	Dissolved Cadmium	1	ug/l	3	2	33%	0.76	0.50	0.60	2	1	50%	1.66	1.66	0.99	
	Total Cadmium	1	ug/l	3	2	33%	0.87	0.50	0.74	2	1	50%	3.15	3.15	1.19	
Metals	Dissolved Chromium	5	ug/l	3	2	33%	3.63	2.50	0.54	2	1	50%	4.54	4.54	0.63	
	Total Chromium	5	ug/l	3	1	67%	12.90	5.10	1.23	2	0	100%	16.61	16.61	0.80	
	Dissolved Copper	5	ug/l	3	0	100%	128.93	164.00	0.52	2	0	100%	465.75	465.75	1.17	
	Total Copper	5	ug/l	3	0	100%	221.10	271.00	0.64	2	0	100%	846.00	846.00	1.09	
	Dissolved Iron	100	ug/l	3	0	100%	350.00	350.00	0.57	2	0	100%	485.00	485.00	0.95	
	Total Iron	100	ug/l	3	0	100%	1596.67	790.00	0.99	2	0	100%	7355.00	7355.00	0.60	
	Dissolved Lead	5	ug/l	3	0	100%	36.83	37.60	0.16	2	1	50%	14.80	14.80	1.18	
	Total Lead	5	ug/l	3	0	100%	163.37	203.00	0.59	2	0	100%	206.05	206.05	0.84	
	Dissolved Nickel	5	ug/l	3	0	100%	19.86	9.00	0.96	2	1	50%	15.00	15.00	1.18	
	Nickel	5	ug/l	3	0	100%	21.63	10.30	0.97	2	0	100%	22.06	22.06	0.92	
	Dissolved Zinc	50	ug/l	3	0	100%	246.67	190.00	0.64	2	0	100%	2296.00	2296.00	1.11	
	Total Zinc	50	ug/l	3	0	100%	288.67	240.00	0.66	2	0	100%	2508.50	2508.50	1.12	
	SVOCs	Anthracene	0.5	ug/l												
		Benzo(a)anthracene	1	ug/l												
		Benzo(a)pyrene	1	ug/l												
		Benzo(b)fluoranthene	1	ug/l												
		Benzo(k)fluoranthene	1	ug/l												
Benzyl butyl phthalate		3	ug/l	9	9	0%	SID	SID	SID	5	5	0%	SID	SID	SID	
Bis(2-ethylhexyl)phthalate		3	ug/l	9	0	100%	16.64	13.40	0.57	5	1	80%	22.30	10.10	1.35	
Chrysene		1	ug/l													
Di-n-octylphthalate		3	ug/l	9	9	0%	SID	SID	SID	5	5	0%	SID	SID	SID	
Dibenz(a,h)anthracene		1	ug/l													
Fluoranthene		1	ug/l													
Indeno (1,2,3-cd) pyrene		1	ug/l													
Phenanthrene		0.5	ug/l													
Pyrene		0.5	ug/l													
All other SVOCs		0.05-5.0	ug/l	9	9	0%					5	5	0%			

Note: Control = No BMP implemented

Test = BMP implemented

CV = Coefficient of variation

DL = Detection Limit

SID = Statistically Invalid Data

Non-detects are replaced with half the detection limit to calculate Mean, Median, and CV

Table 4-13. 2000-2001 Critical Source Statistical Results by Category

Class	Class Constituent	DL	Units	Motor Freight Companies - Control						Motor Freight Companies - Test					
				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	TPH as Diesel	0.5	mg/l	12	12	0%	SID	SID	SID	20	20	0%	SID	SID	SID
	TPH as Gas	0.5	mg/l	12	12	0%	SID	SID	SID	21	21	0%	SID	SID	SID
	Oil and Grease	1	mg/l	12	1	92%	2.10	1.80	0.56	20	3	85%	7.08	5.50	1.01
Indicator Bacteria	Total Coliform	20	MPN/100ml	12	0	100%	258375.00	125000.00	1.74	21	0	100%	54887.14	14000.00	1.37
	Fecal Coliform	20	MPN/100ml	12	0	100%	163275.00	19500.00	1.73	21	0	100%	28219.05	7000.00	1.76
	Fecal Streptococcus	20	MPN/100ml	12	0	100%	132708.33	70000.00	1.14	21	0	100%	63179.52	16000.00	2.02
	Fecal Enterococcus	20	MPN/100ml	12	0	100%	50851.67	24500.00	1.47	21	0	100%	26937.14	9000.00	1.98
General Minerals	COD	5	mg/l	3	0	100%	38.73	42.20	0.25	3	0	100%	39.73	40.70	0.57
	pH	14		3	0	100%	6.21	5.96	0.07	3	0	100%	6.07	5.90	0.07
	Specific Conductance	1	umhos/cm	3	0	100%	92.03	94.00	0.24	3	0	100%	78.50	81.70	0.52
	Total Dissolved Solids	2	mg/l	3	0	100%	53.33	56.00	0.23	3	0	100%	48.67	46.00	0.54
	Suspended Solids	2	mg/l	3	0	100%	72.67	73.00	0.39	3	0	100%	121.33	147.00	0.70
	MBAS	0.05	mg/l	3	0	100%	0.13	0.15	0.43	3	0	100%	0.15	0.13	0.54
	Total Organic Carbon	1	mg/l	3	0	100%	7.22	7.83	0.36	3	0	100%	8.33	6.41	0.68
	Dissolved Aluminum	100	ug/l	3	3	0%	SID	SID	SID	3	2	33%	79.67	50.00	0.64
Metals	Total Aluminum	100	ug/l	3	0	100%	686.33	635.00	0.51	3	1	67%	272.00	318.00	0.75
	Dissolved Cadmium	1	ug/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	Total Cadmium	1	ug/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	Dissolved Chromium	5	ug/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	Total Chromium	5	ug/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	Dissolved Copper	5	ug/l	3	1	67%	7.61	8.83	0.61	3	0	100%	10.87	6.26	0.78
	Total Copper	5	ug/l	3	0	100%	14.23	13.30	0.30	3	0	100%	17.60	15.60	0.49
	Dissolved Iron	100	ug/l	3	0	100%	403.33	320.00	0.40	3	1	67%	153.33	200.00	0.58
	Total Iron	100	ug/l	3	0	100%	873.33	920.00	0.54	3	1	67%	383.33	270.00	1.05
	Dissolved Lead	5	ug/l	3	3	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	Total Lead	5	ug/l	3	1	67%	7.74	7.62	0.68	3	1	67%	9.33	12.60	0.63
	Dissolved Nickel	5	ug/l	3	3	0%	SID	SID	SID	3	2	33%	3.81	2.50	0.60
	Nickel	5	ug/l	3	3	0%	SID	SID	SID	3	2	33%	3.93	2.50	0.63
	Dissolved Zinc	50	ug/l	3	0	100%	104.63	110.00	0.22	3	0	100%	221.67	178.00	0.60
	Total Zinc	50	ug/l	3	0	100%	140.03	157.00	0.38	3	0	100%	261.33	245.00	0.51
	SVOCs	Anthracene	0.5	ug/l											
Benzo(a)anthracene		1	ug/l												
Benzo(a)pyrene		1	ug/l												
Benzo(b)fluoranthene		1	ug/l												
Benzo(k)fluoranthene		1	ug/l												
Benzyl butyl phthalate		3	ug/l	12	12	0%	SID	SID	SID	19	19	0%	SID	SID	SID
Bis(2-ethylhexyl)phthalate		3	ug/l	12	1	92%	16.05	14.55	0.72	19	1	95%	17.28	11.50	0.94
Chrysene		1	ug/l												
Di-n-octylphthalate		3	ug/l	12	12	0%	SID	SID	SID	19	18	5%	SID	SID	SID
Dibenz(a,h)anthracene		1	ug/l												
Fluoranthene		1	ug/l												
Indeno (1,2,3-cd) pyrene		1	ug/l												
Phenanthrene		0.5	ug/l												
Pyrene		0.5	ug/l												
All other SVOCs		0.05-5.0	ug/l	12	12	0%					19	19	0%		

Note: Control = No BMP implemented

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DL = Detection Limit

SID = Statistically Invalid Data

Non-detects are replaced with half the detection limit to calculate Mean, Median, and CV

Table 4-13. 2000-2001 Critical Source Statistical Results by Category

Class	Class Constituent	DL	Units	Automobile Dealers - Control						Automobile Dealers - Test					
				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	TPH as Diesel	0.5	mg/l	16	16	0%	SID	SID	SID	8	8	0%	SID	SID	SID
	TPH as Gas	0.5	mg/l	16	16	0%	SID	SID	SID	8	8	0%	SID	SID	SID
	Oil and Grease	1	mg/l	16	2	88%	5.51	3.70	1.07	8	3	63%	2.46	1.45	1.26
Indicator Bacteria	Total Coliform	20	MPN/100ml	16	1	94%	42433.75	6500.00	1.78	5	0	100%	400760.00	160000.00	1.69
	Fecal Coliform	20	MPN/100ml	16	1	94%	38740.00	2700.00	1.98	5	0	100%	328960.00	17000.00	2.16
	Fecal Streptococcus	20	MPN/100ml	16	0	100%	27286.88	900.00	2.79	5	0	100%	70940.00	24000.00	1.15
	Fecal Enterococcus	20	MPN/100ml	16	0	100%	14215.00	600.00	2.96	5	0	100%	70820.00	24000.00	1.16
General Minerals	COD	5	mg/l	3	0	100%	26.30	21.20	0.50	2	0	100%	39.85	39.85	0.51
	pH	14		3	0	100%	6.01	6.06	0.08	2	0	100%	5.94	5.94	0.03
	Specific Conductance	1	umhos/cm	3	0	100%	49.23	42.50	0.30	2	0	100%	36.20	36.20	0.42
	Total Dissolved Solids	2	mg/l	3	0	100%	30.67	26.00	0.38	2	0	100%	21.00	21.00	0.34
	Suspended Solids	2	mg/l	3	0	100%	117.33	125.00	0.33	2	0	100%	46.50	46.50	0.47
	MBAS	0.05	mg/l	3	0	100%	0.12	0.12	0.47	2	0	100%	0.18	0.18	0.57
	Total Organic Carbon	1	mg/l	3	0	100%	4.33	4.43	0.14	2	0	100%	6.31	6.31	0.40
Metals	Dissolved Aluminum	100	ug/l	3	3	0%	SID	SID	SID	2	2	0%	SID	SID	SID
	Total Aluminum	100	ug/l	3	0	100%	633.33	146.00	1.39	2	0	100%	153.00	153.00	0.15
	Dissolved Cadmium	1	ug/l	3	3	0%	SID	SID	SID	2	2	0%	SID	SID	SID
	Total Cadmium	1	ug/l	3	3	0%	SID	SID	SID	2	2	0%	SID	SID	SID
	Dissolved Chromium	5	ug/l	3	3	0%	SID	SID	SID	2	2	0%	SID	SID	SID
	Total Chromium	5	ug/l	3	2	33%	3.80	2.50	0.59	2	2	0%	SID	SID	SID
	Dissolved Copper	5	ug/l	3	0	100%	10.75	10.80	0.21	2	0	100%	9.03	9.03	0.34
	Total Copper	5	ug/l	3	0	100%	27.30	15.10	0.81	2	0	100%	11.79	11.79	0.24
	Dissolved Iron	100	ug/l	3	3	0%	SID	SID	SID	2	1	50%	110.00	110.00	0.77
	Total Iron	100	ug/l	3	1	67%	182.67	110.00	0.99	2	0	100%	240.00	240.00	0.00
	Dissolved Lead	5	ug/l	3	3	0%	SID	SID	SID	2	2	0%	SID	SID	SID
	Total Lead	5	ug/l	3	2	33%	11.80	2.50	1.37	2	0	100%	5.50	5.50	0.13
	Dissolved Nickel	5	ug/l	3	3	0%	SID	SID	SID	2	2	0%	SID	SID	SID
	Nickel	5	ug/l	3	2	33%	3.78	2.50	0.59	2	2	0%	SID	SID	SID
	Dissolved Zinc	50	ug/l	3	0	100%	127.33	133.00	0.20	2	1	50%	54.70	54.70	0.77
	Total Zinc	50	ug/l	3	0	100%	187.00	150.00	0.40	2	0	100%	85.70	85.70	0.02
SVOCs	Anthracene	0.5	ug/l												
	Benzo(a)anthracene	1	ug/l												
	Benzo(a)pyrene	1	ug/l												
	Benzo(b)fluoranthene	1	ug/l												
	Benzo(k)fluoranthene	1	ug/l												
	Benzyl butyl phthalate	3	ug/l	16	14	13%	SID	SID	SID	8	8	0%	SID	SID	SID
	Bis(2-ethylhexyl)phthalate	3	ug/l	16	0	100%	49.34	36.45	1.27	8	0	100%	19.08	15.70	0.66
	Chrysene	1	ug/l												
	Di-n-octylphthalate	3	ug/l	16	13	19%	SID	SID	SID	8	8	0%	SID	SID	SID
	Dibenz(a,h)anthracene	1	ug/l												
	Fluoranthene	1	ug/l												
	Indeno (1,2,3-cd) pyrene	1	ug/l												
	Phenanthrene	0.5	ug/l												
	Pyrene	0.5	ug/l												
	All other SVOCs	0.05-5.0	ug/l	16	16	0%					8	8	0%		

Note: Control = No BMP implemented

Test = BMP implemented

CV = Coefficient of variation

DL = Detection Limit

SID = Statistically Invalid Data

Non-detects are replaced with half the detection limit to calculate Mean, Median, and CV

Table 4-13. 2000-2001 Critical Source Statistical Results by Category

Class	Class Constituent	DL	Units	Chemical Manufacturing Companies - Control						Chemical Manufacturing Companies - Test					
				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	TPH as Diesel	0.5	mg/l	7	7	0%	SID	SID	SID	10	10	0%	SID	SID	SID
	TPH as Gas	0.5	mg/l	7	7	0%	SID	SID	SID	10	10	0%	SID	SID	SID
	Oil and Grease	1	mg/l	7	2	71%	1.87	1.90	0.66	10	2	80%	4.41	3.20	1.01
Indicator Bacteria	Total Coliform	20	MPN/100ml	7	0	100%	142028.57	800.00	2.36	10	0	100%	130500.00	59000.00	1.23
	Fecal Coliform	20	MPN/100ml	7	0	100%	20651.43	270.00	2.55	10	0	100%	36320.00	17000.00	1.48
	Fecal Streptococcus	20	MPN/100ml	7	0	100%	26257.14	1300.00	2.26	10	0	100%	193570.00	115000.00	1.70
	Fecal Enterococcus	20	MPN/100ml	7	0	100%	26084.29	1300.00	2.28	10	0	100%	193570.00	115000.00	1.70
General Minerals	COD	5	mg/l	3	0	100%	55.40	44.80	0.65	4	0	100%	48.10	47.55	0.38
	pH	14		10	0	100%	6.37	6.58	0.07	14	0	100%	6.36	6.33	0.05
	Specific Conductance	1	umhos/cm	10	0	100%	114.33	78.60	0.95	14	0	100%	73.81	70.35	0.51
	Total Dissolved Solids	2	mg/l	3	0	100%	68.67	50.00	0.47	4	0	100%	40.75	39.00	0.40
	Suspended Solids	2	mg/l	3	0	100%	72.33	14.00	1.54	4	0	100%	167.25	114.00	0.92
	MBAS	0.05	mg/l	3	0	100%	0.13	0.12	0.09	4	0	100%	0.15	0.16	0.38
	Total Organic Carbon	1	mg/l	3	0	100%	9.17	8.27	0.30	4	0	100%	7.40	6.80	0.42
Metals	Dissolved Aluminum	100	ug/l	3	2	33%	155.00	50.00	1.17	4	4	0%	SID	SID	SID
	Total Aluminum	100	ug/l	3	1	67%	1255.67	397.00	1.43	4	1	75%	741.50	618.00	0.95
	Dissolved Cadmium	1	ug/l	3	3	0%	SID	SID	SID	4	4	0%	SID	SID	SID
	Total Cadmium	1	ug/l	3	3	0%	SID	SID	SID	4	4	0%	SID	SID	SID
	Dissolved Chromium	5	ug/l	3	3	0%	SID	SID	SID	4	4	0%	SID	SID	SID
	Total Chromium	5	ug/l	3	2	33%	4.45	2.50	0.76	4	3	25%	3.59	2.50	0.61
	Dissolved Copper	5	ug/l	3	0	100%	8.68	8.34	0.28	4	0	100%	12.55	12.85	0.34
	Total Copper	5	ug/l	3	0	100%	18.13	14.40	0.47	4	0	100%	22.83	21.75	0.40
	Dissolved Iron	100	ug/l	3	1	67%	210.00	120.00	1.04	4	1	75%	297.50	320.00	0.62
	Total Iron	100	ug/l	3	0	100%	2600.00	520.00	1.49	4	0	100%	1587.50	1020.00	1.15
	Dissolved Lead	5	ug/l	3	3	0%	SID	SID	SID	4	4	0%	SID	SID	SID
	Total Lead	5	ug/l	3	1	67%	10.17	5.00	1.10	4	2	50%	8.34	5.72	0.96
	Dissolved Nickel	5	ug/l	3	3	0%	SID	SID	SID	4	4	0%	SID	SID	SID
	Nickel	5	ug/l	3	2	33%	4.87	2.50	0.84	4	2	50%	4.76	4.38	0.56
	Dissolved Zinc	50	ug/l	3	0	100%	254.33	224.00	0.51	4	0	100%	124.25	120.00	0.52
	Total Zinc	50	ug/l	3	0	100%	323.00	369.00	0.38	4	0	100%	187.25	173.00	0.42
SVOCs	Anthracene	0.5	ug/l	7	7	0%	SID	SID	SID	10	9	10%	SID	SID	SID
	Benzo(a)anthracene	1	ug/l	7	7	0%	SID	SID	SID	10	8	20%	0.90	0.50	1.16
	Benzo(a)pyrene	1	ug/l	7	7	0%	SID	SID	SID	10	8	20%	1.12	0.50	1.46
	Benzo(b)fluoranthene	1	ug/l	7	7	0%	SID	SID	SID	10	9	10%	SID	SID	SID
	Benzo(k)fluoranthene	1	ug/l	7	7	0%	SID	SID	SID	10	8	20%	0.95	0.50	1.15
	Benzyl butyl phthalate	3	ug/l												
	Bis(2-ethylhexyl)phthalate	3	ug/l	7	0	100%	46.57	15.70	1.80	10	0	100%	10.23	7.00	0.57
	Chrysene	1	ug/l	7	7	0%	SID	SID	SID	10	8	20%	1.07	0.50	1.27
	Di-n-octylphthalate	3	ug/l	7	7	0%	SID	SID	SID	10	10	0%	SID	SID	SID
	Dibenz(a,h)anthracene	1	ug/l	7	7	0%	SID	SID	SID	10	9	10%	SID	SID	SID
	Fluoranthene	1	ug/l	7	7	0%	SID	SID	SID	10	8	20%	1.55	0.50	1.64
	Indeno (1,2,3-cd) pyrene	1	ug/l	7	7	0%	SID	SID	SID	10	8	20%	0.83	0.50	0.94
	Phenanthrene	0.5	ug/l	7	7	0%	SID	SID	SID	10	8	20%	0.64	0.25	1.48
	Pyrene	0.5	ug/l	7	7	0%	SID	SID	SID	10	8	20%	1.21	0.25	1.87
	All other SVOCs	0.05-5.0	ug/l	7	7	0%				10	10	0%			

Note: Control = No BMP implemented

Test = BMP implemented

CV = Coefficient of variation

DL = Detection Limit

SID = Statistically Invalid Data

Non-detects are replaced with half the detection limit to calculate Mean, Median, and CV

Table 4-13. 2000-2001 Critical Source Statistical Results by Category

Class	Class Constituent	DL	Units	Machinery Manufacturing Companies - Control						Machinery Manufacturing Companies - Test						
				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	TPH as Diesel	0.5	mg/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
	TPH as Gas	0.5	mg/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
	Oil and Grease	1	mg/l	6	0	100%	4.88	4.20	0.62	7	3	57%	1.29	1.00	0.78	
Indicator Bacteria	Total Coliform	20	MPN/100ml	6	0	100%	72371.67	15000.00	1.60	7	0	100%	1232.86	700.00	1.41	
	Fecal Coliform	20	MPN/100ml	6	0	100%	71871.67	15000.00	1.62	7	0	100%	445.71	210.00	1.75	
	Fecal Streptococcus	20	MPN/100ml	6	0	100%	2050.00	800.00	1.68	7	0	100%	2968.57	700.00	1.96	
	Fecal Enterococcus	20	MPN/100ml	6	0	100%	2005.00	765.00	1.74	7	0	100%	1137.14	500.00	1.55	
	General Minerals	COD	5	mg/l	2	0	100%	107.35	107.35	0.94	3	0	100%	30.97	23.10	0.81
	pH	14		8	0	100%	6.40	6.37	0.06	10	0	100%	6.27	6.47	0.06	
	Specific Conductance	1	umhos/cm	8	0	100%	63.93	57.75	0.41	10	0	100%	42.56	42.25	0.47	
	Total Dissolved Solids	2	mg/l	2	0	100%	34.00	34.00	0.25	3	0	100%	33.00	36.00	0.18	
	Suspended Solids	2	mg/l	2	0	100%	118.00	118.00	0.11	3	0	100%	112.00	108.00	0.20	
	MBAS	0.05	mg/l	2	0	100%	0.14	0.14	0.39	3	0	100%	0.10	0.11	0.27	
	Total Organic Carbon	1	mg/l	2	0	100%	6.63	6.63	0.03	2	0	100%	4.52	4.52	0.19	
Metals	Dissolved Aluminum	100	ug/l	2	2	0%	SID	SID	SID	3	3	0%	SID	SID	SID	
	Total Aluminum	100	ug/l	2	1	50%	102.00	102.00	0.72	3	2	33%	84.00	50.00	0.70	
	Dissolved Cadmium	1	ug/l	2	0	100%	1.78	1.78	0.21	3	3	0%	SID	SID	SID	
	Total Cadmium	1	ug/l	2	0	100%	1.97	1.97	0.16	3	3	0%	SID	SID	SID	
	Dissolved Chromium	5	ug/l	2	2	0%	SID	SID	SID	3	0	100%	63.10	55.30	0.36	
	Total Chromium	5	ug/l	2	2	0%	SID	SID	SID	3	0	100%	80.63	95.70	0.38	
	Dissolved Copper	5	ug/l	2	0	100%	21.55	21.55	0.17	3	0	100%	10.01	10.20	0.33	
	Total Copper	5	ug/l	2	0	100%	27.40	27.40	0.11	3	0	100%	14.30	13.90	0.07	
	Dissolved Iron	100	ug/l	2	2	0%	SID	SID	SID	3	1	67%	96.67	110.00	0.43	
	Total Iron	100	ug/l	2	0	100%	225.00	225.00	0.09	3	1	67%	136.67	170.00	0.55	
	Dissolved Lead	5	ug/l	2	2	0%	SID	SID	SID	3	2	33%	4.81	2.50	0.83	
	Total Lead	5	ug/l	2	1	50%	4.15	4.15	0.56	3	1	67%	6.25	5.56	0.66	
	Dissolved Nickel	5	ug/l	2	2	0%	SID	SID	SID	3	0	100%	8.79	8.43	0.22	
	Nickel	5	ug/l	2	2	0%	SID	SID	SID	3	0	100%	9.07	8.45	0.24	
	Dissolved Zinc	50	ug/l	2	0	100%	112.00	112.00	0.23	3	1	67%	65.33	73.00	0.57	
	Total Zinc	50	ug/l	2	0	100%	133.35	133.35	0.37	3	0	100%	101.10	89.90	0.20	
	SVOCs	Anthracene	0.5	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID
Benzo(a)anthracene		1	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
Benzo(a)pyrene		1	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
Benzo(b)fluoranthene		1	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
Benzo(k)fluoranthene		1	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
Benzyl butyl phthalate		3	ug/l													
Bis(2-ethylhexyl)phthalate		3	ug/l	6	0	100%	16.25	15.10	0.50	7	2	71%	16.93	6.50	1.41	
Chrysene		1	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
Di-n-octylphthalate		3	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
Dibenz(a,h)anthracene		1	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
Fluoranthene		1	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
Indeno (1,2,3-cd) pyrene		1	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
Phenanthrene		0.5	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
Pyrene		0.5	ug/l	6	6	0%	SID	SID	SID	7	7	0%	SID	SID	SID	
All other SVOCs		0.05-5.0	ug/l	6	6	0%					7	7	0%			

Note: Control = No BMP implemented

Test = BMP implemented

CV = Coefficient of variation

DL = Detection Limit

SID = Statistically Invalid Data

Non-detects are replaced with half the detection limit to calculate Mean, Median, and CV

Table 4-13. 2000-2001 Critical Source Statistical Results by Category

Class	Class Constituent	DL	Units	Rubber/Miscellaneous Plastics Companies - Control						Rubber/Miscellaneous Plastics Companies - Test					
				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	TPH as Diesel	0.5	mg/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID	SID
	TPH as Gas	0.5	mg/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID	SID
	Oil and Grease	1	mg/l	4	0	100%	1.18	1.10	0.19	9	5	44%	0.84	0.50	0.50
Indicator Bacteria	Total Coliform	20	MPN/100ml	4	0	100%	1750.00	1750.00	0.66	9	0	100%	143444.44	110000.00	1.07
	Fecal Coliform	20	MPN/100ml	4	0	100%	977.50	400.00	1.39	9	0	100%	94111.11	110000.00	0.82
	Fecal Streptococcus	20	MPN/100ml	4	0	100%	9150.00	2900.00	1.53	9	0	100%	27600.00	30000.00	0.56
	Fecal Enterococcus	20	MPN/100ml	4	0	100%	8650.00	1900.00	1.65	9	0	100%	15411.11	17000.00	0.57
General Minerals	COD	5	mg/l	2	0	100%	117.35	117.35	0.69	3	0	100%	39.97	41.20	0.36
	pH	14		6	0	100%	5.93	5.78	0.08	12	0	100%	6.43	6.49	0.04
	Specific Conductance	1	umhos/cm	6	0	100%	36.90	25.50	0.60	12	0	100%	92.08	82.40	0.43
	Total Dissolved Solids	2	mg/l	2	0	100%	24.00	24.00	0.47	3	0	100%	55.33	60.00	0.21
	Suspended Solids	2	mg/l	2	0	100%	167.50	167.50	0.76	3	0	100%	93.33	96.00	0.87
	MBAS	0.05	mg/l	2	0	100%	0.27	0.27	0.55	3	0	100%	0.12	0.11	0.17
	Total Organic Carbon	1	mg/l	2	0	100%	6.39	6.39	0.67	3	0	100%	7.54	6.30	0.46
Metals	Dissolved Aluminum	100	ug/l	2	2	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	Total Aluminum	100	ug/l	2	0	100%	172.50	172.50	0.14	3	0	100%	423.33	190.00	1.13
	Dissolved Cadmium	1	ug/l	2	2	0%	SID	SID	SID	3	0	100%	2.90	2.37	0.41
	Total Cadmium	1	ug/l	2	2	0%	SID	SID	SID	3	0	100%	3.88	2.51	0.70
	Dissolved Chromium	5	ug/l	2	2	0%	SID	SID	SID	3	2	33%	3.74	2.50	0.57
	Total Chromium	5	ug/l	2	2	0%	SID	SID	SID	3	2	33%	4.23	2.50	0.71
	Dissolved Copper	5	ug/l	2	0	100%	9.10	9.10	0.36	3	1	67%	10.88	8.35	0.91
	Total Copper	5	ug/l	2	0	100%	12.65	12.65	0.23	3	0	100%	17.83	13.30	0.47
	Dissolved Iron	100	ug/l	2	1	50%	130.00	130.00	0.87	3	1	67%	200.00	240.00	0.67
	Total Iron	100	ug/l	2	0	100%	280.00	280.00	0.10	3	0	100%	400.00	340.00	0.74
	Dissolved Lead	5	ug/l	2	2	0%	SID	SID	SID	3	3	0%	SID	SID	SID
	Total Lead	5	ug/l	2	2	0%	SID	SID	SID	3	2	33%	6.37	2.50	1.05
	Dissolved Nickel	5	ug/l	2	2	0%	SID	SID	SID	3	0	100%	9.70	8.10	0.52
	Nickel	5	ug/l	2	2	0%	SID	SID	SID	3	0	100%	10.67	10.80	0.46
	Dissolved Zinc	50	ug/l	2	0	100%	111.50	111.50	0.15	3	0	100%	138.00	140.00	0.08
	Total Zinc	50	ug/l	2	0	100%	141.50	141.50	0.04	3	0	100%	153.00	150.00	0.19
	SVOCs	Anthracene	0.5	ug/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID
Benzo(a)anthracene		1	ug/l	4	4	0%	SID	SID	SID	9	8	11%	SID	SID	SID
Benzo(a)pyrene		1	ug/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID	SID
Benzo(b)fluoranthene		1	ug/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID	SID
Benzo(k)fluoranthene		1	ug/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID	SID
Benzyl butyl phthalate		3	ug/l												
Bis(2-ethylhexyl)phthalate		3	ug/l	4	2	50%	9.93	3.20	1.48	9	2	78%	15.34	7.80	1.62
Chrysene		1	ug/l	4	4	0%	SID	SID	SID	9	8	11%	SID	SID	SID
Di-n-octylphthalate		3	ug/l	4	4	0%	SID	SID	SID	9	8	11%	SID	SID	SID
Dibenz(a,h)anthracene		1	ug/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID	SID
Fluoranthene		1	ug/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID	SID
Indeno (1,2,3-cd) pyrene		1	ug/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID	SID
Phenanthrene		0.5	ug/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID	SID
Pyrene		0.5	ug/l	4	4	0%	SID	SID	SID	9	9	0%	SID	SID	SID
All other SVOCs		0.05-5.0	ug/l	4	4	0%				9	9	0%			

Note: Control = No BMP implemented
 Test = BMP implemented
 CV = Coefficient of variation
 DL = Detection Limit
 SID = Statistically Invalid Data

Non-detects are replaced with half the detection limit to calculate Mean, Median, and CV