TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Boiler, Landfill Gas	1	Metals	Chromium (Hex)	C3-v0	5.20E-04	5.75E-04	7.14E-04	2.71E-04	lbs/MMcf	1	43.50	108.06	0.54
Boiler, Landfill Gas	1	Metals	Chromium (Total)	D3-v0	3.99E-02	3.53E-02	5.76E-02	2.68E-02	lbs/MMcf	1	39.86	99.01	1.00
Boiler, Landfill Gas	1	Metals	Copper	D3-v0	6.93E-03	7.22E-03	1.11E-02	2.53E-03	lbs/MMcf	1	61.58	152.96	1.00
Boiler, Landfill Gas	1	Metals	Lead	D3-v0	5.62E-03	5.71E-03	6.85E-03	4.30E-03	lbs/MMcf	1	22.68	56.35	1.00
Boiler, Landfill Gas	1	Metals	Manganese	D3-v1	2.06E-01	1.74E-01	3.79E-01	6.62E-02	lbs/MMcf	1	76.90	191.03	1.00
Boiler, Landfill Gas	1	Metals	Mercury	D3-v0	6.95E-05	6.93E-05	7.86E-05	6.06E-05	lbs/MMcf	1	12.89	32.03	1.00
Boiler, Landfill Gas	1	Metals	Nickel	D3-v0	6.85E-02	5.29E-02	1.15E-01	3.74E-02	lbs/MMcf	1	60.16	149.45	1.00
Boiler, Landfill Gas	1	Metals	Selenium	D3-v0	4.95E-04	4.97E-04	5.08E-04	4.81E-04	lbs/MMcf	1	2.73	6.79	0.00
Boiler, Landfill Gas	1	Metals	Zinc	D3-v0	8.32E-02	8.38E-02	8.84E-02	7.74E-02	lbs/MMcf	1	6.67	16.57	1.00
Boiler, Landfill Gas	1	PAH	Acenaphthene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Acenaphthylene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Anthracene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Benzo(a)anthracene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Benzo(a)pyrene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Benzo(b)fluoranthene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Benzo(g,h,i)perylene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Benzo(k)fluoranthene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Chrysene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Dibenz(a,h)anthracene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Fluoranthene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Fluorene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Naphthalene	A3-v0	2.17E-01	2.16E-01	2.59E-01	1.76E-01	lbs/MMcf	1	19.13	47.53	1.00
Boiler, Landfill Gas	1	PAH	Phenanthrene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	PAH	Pyrene	A3-v0	4.11E-04	4.15E-04	4.19E-04	4.00E-04	lbs/MMcf	1	2.44	6.06	0.00
Boiler, Landfill Gas	1	VOC	Ammonia	E3-v0	2.25E+00	2.21E+00	2.35E+00	2.19E+00	lbs/MMcf	1	3.67	9.12	0.00
Boiler, Landfill Gas	1	VOC	Formaldehyde	C3-v0	1.25E-01	1.22E-01	1.34E-01	1.19E-01	lbs/MMcf	1	6.33	15.72	1.00
Boiler, Natural Gas	1	SVOC	Benzaldehyde	C3-v0	1.64E-02	1.57E-02	2.72E-02	6.40E-03	lbs/MMcf	1	63.37	157.41	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Boiler, Natural Gas	1	VOC	Acetaldehyde	C3-v0	8.87E-03	8.47E-03	1.47E-02	3.46E-03	lbs/MMcf	1	63.37	157.41	0.00
Boiler, Natural Gas	1	VOC	Benzene	C2-v0	4.31E-03	2.15E-03	8.70E-03	2.07E-03	lbs/MMcf	3	76.41	58.73	0.00
Boiler, Natural Gas	1	VOC	Formaldehyde	B2-v2	2.21E-01	6.96E-02	6.72E-01	1.22E-02	lbs/MMcf	3	126.05	96.89	1.00
Boiler, Ref. Gas	1	Metals	Arsenic	D3-v1	7.04E-04	7.65E-04	1.13E-03	2.11E-04	lbs/MMcf	1	66.10	164.21	1.00
Boiler, Ref. Gas	1	Metals	Beryllium	D3-v0	1.55E-04	1.55E-04	1.56E-04	1.53E-04	lbs/MMcf	1	1.35	12.10	1.00
Boiler, Ref. Gas	1	Metals	Cadmium	D3-v0	2.38E-03	2.05E-03	3.13E-03	1.98E-03	lbs/MMcf	1	27.01	67.10	1.00
Boiler, Ref. Gas	1	Metals	Chromium (Hex)	C3-v0	7.70E-03	7.56E-03	1.09E-02	4.67E-03	lbs/MMcf	1	40.17	99.78	0.00
Boiler, Ref. Gas	1	Metals	Chromium (Total)	C3-v1	1.28E-02	5.43E-03	3.08E-02	2.16E-03	lbs/MMcf	1	122.51	304.34	1.00
Boiler, Ref. Gas	1	Metals	Copper	D3-v0	6.30E-03	6.30E-03	7.71E-03	4.89E-03	lbs/MMcf	1	31.59	283.84	1.00
Boiler, Ref. Gas	1	Metals	Lead	D3-v0	2.42E-03	2.42E-03	2.49E-03	2.36E-03	lbs/MMcf	1	3.87	34.76	1.00
Boiler, Ref. Gas	1	Metals	Manganese	D3-v0	2.39E-03	2.39E-03	3.14E-03	1.64E-03	lbs/MMcf	1	44.52	400.01	1.00
Boiler, Ref. Gas	1	Metals	Mercury	D3-v0	3.23E-04	3.18E-04	3.82E-04	2.70E-04	lbs/MMcf	1	17.33	43.04	0.00
Boiler, Ref. Gas	1	Metals	Nickel	D3-v0	5.59E-03	5.59E-03	7.03E-03	4.16E-03	lbs/MMcf	1	36.33	326.44	1.00
Boiler, Ref. Gas	1	Metals	Selenium	D3-v0	2.06E-03	2.36E-03	2.83E-03	9.79E-04	lbs/MMcf	1	46.79	116.23	0.16
Boiler, Ref. Gas	1	Metals	Zinc	D3-v2	3.42E+00	3.82E-01	9.78E+00	9.27E-02	lbs/MMcf	1	161.24	400.53	1.00
Boiler, Ref. Gas	1	PAH	Acenaphthene	A3-v0	5.88E-06	5.75E-06	6.47E-06	5.44E-06	lbs/MMcf	1	8.97	22.29	0.37
Boiler, Ref. Gas	1	PAH	Acenaphthylene	A3-v0	2.56E-06	2.59E-06	2.59E-06	2.50E-06	lbs/MMcf	1	2.04	5.07	0.00
Boiler, Ref. Gas	1	PAH	Anthracene	A3-v1	2.28E-05	2.50E-05	3.89E-05	4.40E-06	lbs/MMcf	1	76.23	189.36	1.00
Boiler, Ref. Gas	1	PAH	Benzo(a)anthracene	A3-v0	1.83E-05	1.79E-05	2.46E-05	1.25E-05	lbs/MMcf	1	33.08	82.19	1.00
Boiler, Ref. Gas	1	PAH	Benzo(a)pyrene	A3-v0	3.42E-06	3.37E-06	4.40E-06	2.50E-06	lbs/MMcf	1	27.72	68.85	0.76
Boiler, Ref. Gas	1	PAH	Benzo(b)fluoranthene	A3-v0	6.76E-06	7.24E-06	8.28E-06	4.75E-06	lbs/MMcf	1	26.90	66.83	1.00
Boiler, Ref. Gas	1	PAH	Benzo(g,h,i)perylene	A3-v0	3.85E-06	3.89E-06	5.17E-06	2.50E-06	lbs/MMcf	1	34.64	86.06	0.78
Boiler, Ref. Gas	1	PAH	Benzo(k)fluoranthene	A3-v0	2.56E-06	2.59E-06	2.59E-06	2.50E-06	lbs/MMcf	1	2.04	5.07	0.00
Boiler, Ref. Gas	1	PAH	Chrysene	A3-v0	3.42E-06	2.59E-06	5.17E-06	2.50E-06	lbs/MMcf	1	44.30	110.04	0.50
Boiler, Ref. Gas	1	PAH	Dibenz(a,h)anthracene	A3-v0	2.56E-06	2.59E-06	2.59E-06	2.50E-06	lbs/MMcf	1	2.04	5.07	0.00
Boiler, Ref. Gas	1	PAH	Fluoranthene	A3-v0	4.25E-05	3.10E-05	7.24E-05	2.40E-05	lbs/MMcf	1	61.63	153.10	1.00
Boiler, Ref. Gas	1	PAH	Fluorene	A3-v0	9.78E-06	5.75E-06	1.82E-05	5.44E-06	lbs/MMcf	1	74.23	184.40	1.00
Boiler, Ref. Gas	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	2.56E-06	2.59E-06	2.59E-06	2.50E-06	lbs/MMcf	1	2.04	5.07	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Boiler, Ref. Gas	1	PAH	Naphthalene	A3-v0	2.06E-04	1.94E-04	2.40E-04	1.85E-04	lbs/MMcf	1	14.51	36.05	1.00
Boiler, Ref. Gas	1	PAH	Phenanthrene	A3-v0	5.64E-05	4.49E-05	8.80E-05	3.62E-05	lbs/MMcf	1	49.24	122.32	1.00
Boiler, Ref. Gas	1	PAH	Pyrene	A3-v0	5.98E-05	5.17E-05	8.28E-05	4.49E-05	lbs/MMcf	1	33.82	84.01	1.00
Boiler, Ref. Gas	1	SVOC	Phenol	C2-v1	2.18E-03	8.64E-04	5.66E-03	7.28E-04	lbs/MMcf	4	95.89	60.93	0.85
Boiler, Ref. Gas	1	VOC	Acetaldehyde	C1-v3	3.97E-03	2.43E-03	1.21E-02	4.92E-06	lbs/MMcf	5	100.80	55.82	1.00
Boiler, Ref. Gas	1	VOC	Benzene	C1-v2	2.06E-01	6.24E-02	1.40E+00	3.39E-03	lbs/MMcf	5	180.67	96.27	0.80
Boiler, Ref. Gas	1	VOC	Formaldehyde	C1-v1	1.60E-02	1.41E-02	4.14E-02	3.24E-03	lbs/MMcf	5	62.29	34.50	1.00
Boiler, Ref. Gas	1	VOC	Hydrogen Sulfide	A1-v1	2.74E-01	2.37E-01	7.15E-01	5.94E-02	lbs/MMcf	5	89.81	47.85	0.00
Boiler, Ref. Gas	1	VOC	Toluene	E2-v2	8.40E-01	8.35E-02	5.00E+00	4.14E-02	lbs/MMcf	3	189.87	145.94	0.97
Boiler, Ref. Gas	2	Halogens	HCl	C3-v1	1.60E+00	2.18E+00	2.33E+00	2.83E-01	lbs/MMcf	1	71.40	177.37	0.00
Boiler, Ref. Gas	2	Metals	Arsenic	A3-v1	3.57E-03	3.13E-03	6.82E-03	7.77E-04	lbs/MMcf	1	85.21	211.66	0.71
Boiler, Ref. Gas	2	Metals	Beryllium	A3-v0	2.60E-04	2.49E-04	3.18E-04	2.13E-04	lbs/MMcf	1	20.60	51.18	0.00
Boiler, Ref. Gas	2	Metals	Cadmium	A3-v0	6.60E-04	6.32E-04	8.08E-04	5.40E-04	lbs/MMcf	1	20.62	51.22	0.00
Boiler, Ref. Gas	2	Metals	Chromium (Hex)	C3-v0	2.38E-04	2.36E-04	3.11E-04	1.67E-04	lbs/MMcf	1	30.14	74.88	0.00
Boiler, Ref. Gas	2	Metals	Chromium (Total)	C3-v0	2.46E-03	2.50E-03	2.52E-03	2.37E-03	lbs/MMcf	1	3.48	8.63	0.34
Boiler, Ref. Gas	2	Metals	Copper	A3-v1	5.30E-03	2.49E-03	1.13E-02	2.13E-03	lbs/MMcf	1	97.81	242.98	0.71
Boiler, Ref. Gas	2	Metals	Lead	A3-v1	3.01E-03	7.51E-04	7.73E-03	5.40E-04	lbs/MMcf	1	136.07	338.03	0.94
Boiler, Ref. Gas	2	Metals	Manganese	A3-v2	1.43E-01	3.23E-02	3.95E-01	1.08E-03	lbs/MMcf	1	153.34	380.92	1.00
Boiler, Ref. Gas	2	Metals	Mercury	A3-v0	1.10E-03	1.17E-03	1.35E-03	7.84E-04	lbs/MMcf	1	26.25	65.20	0.00
Boiler, Ref. Gas	2	Metals	Nickel	A3-v1	1.97E-02	5.02E-03	4.97E-02	4.29E-03	lbs/MMcf	1	132.25	328.53	0.84
Boiler, Ref. Gas	2	Metals	Selenium	A3-v2	3.30E-01	3.52E-01	6.27E-01	1.22E-02	lbs/MMcf	1	93.23	231.59	1.00
Boiler, Ref. Gas	2	Metals	Zinc	A3-v1	9.89E-02	1.27E-02	2.78E-01	6.05E-03	lbs/MMcf	1	156.80	389.52	1.00
Boiler, Ref. Gas	2	PAH	Acenaphthene	A3-v0	1.23E-05	1.49E-05	1.73E-05	4.77E-06	lbs/MMcf	1	53.90	133.88	1.00
Boiler, Ref. Gas	2	PAH	Acenaphthylene	A3-v1	1.42E-04	1.97E-04	2.23E-04	5.58E-06	lbs/MMcf	1	83.68	207.88	1.00
Boiler, Ref. Gas	2	PAH	Anthracene	A3-v0	3.49E-05	3.83E-05	4.84E-05	1.79E-05	lbs/MMcf	1	44.52	110.60	1.00
Boiler, Ref. Gas	2	PAH	Benzo(a)anthracene	A3-v1	1.07E-05	4.42E-06	2.51E-05	2.45E-06	lbs/MMcf	1	117.69	292.36	1.00
Boiler, Ref. Gas	2	PAH	Benzo(a)pyrene	A3-v0	2.09E-06	2.01E-06	2.27E-06	1.99E-06	lbs/MMcf	1	7.52	18.69	0.00
Boiler, Ref. Gas	2	PAH	Benzo(b)fluoranthene	A3-v1	1.54E-04	1.25E-04	3.27E-04	9.54E-06	lbs/MMcf	1	104.55	259.72	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Boiler, Ref. Gas	2	PAH	Benzo(e)pyrene	A3-v1	2.13E-05	1.77E-05	4.38E-05	2.32E-06	lbs/MMcf	1	98.62	244.99	1.00
Boiler, Ref. Gas	2	PAH	Benzo(g,h,i)perylene	A3-v0	2.09E-06	2.01E-06	2.27E-06	1.99E-06	lbs/MMcf	1	7.52	18.69	0.00
Boiler, Ref. Gas	2	PAH	Benzo(k)fluoranthene	A3-v1	3.05E-05	2.94E-05	5.97E-05	2.27E-06	lbs/MMcf	1	94.28	234.20	0.98
Boiler, Ref. Gas	2	PAH	Chrysene	A3-v1	9.72E-05	6.03E-05	2.14E-04	1.73E-05	lbs/MMcf	1	106.42	264.36	1.00
Boiler, Ref. Gas	2	PAH	Dibenz(a,h)anthracene	A3-v0	3.02E-06	2.27E-06	4.77E-06	2.01E-06	lbs/MMcf	1	50.49	125.42	0.53
Boiler, Ref. Gas	2	PAH	Fluoranthene	A3-v0	1.52E-04	1.41E-04	1.83E-04	1.32E-04	lbs/MMcf	1	18.03	44.79	1.00
Boiler, Ref. Gas	2	PAH	Fluorene	A3-v1	8.29E-05	1.05E-04	1.23E-04	2.14E-05	lbs/MMcf	1	65.17	161.89	1.00
Boiler, Ref. Gas	2	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	4.86E-06	3.15E-06	9.16E-06	2.27E-06	lbs/MMcf	1	77.12	191.56	0.84
Boiler, Ref. Gas	2	PAH	Naphthalene	A3-v0	1.55E-03	1.68E-03	1.77E-03	1.19E-03	lbs/MMcf	1	20.04	49.79	0.74
Boiler, Ref. Gas	2	PAH	Phenanthrene	A3-v0	3.06E-04	3.74E-04	4.08E-04	1.35E-04	lbs/MMcf	1	48.65	120.86	1.00
Boiler, Ref. Gas	2	PAH	Pyrene	A3-v0	6.66E-05	6.38E-05	7.24E-05	6.36E-05	lbs/MMcf	1	7.59	18.86	1.00
Boiler, Ref. Gas	2	SVOC	2-Methylnaphthalene	A3-v0	1.30E-04	1.33E-04	1.55E-04	1.03E-04	lbs/MMcf	1	19.68	48.88	0.74
Boiler, Ref. Gas	2	SVOC	Ethylbenzene	A3-v0	1.14E-01	1.10E-01	1.21E-01	1.10E-01	lbs/MMcf	1	5.15	12.78	0.00
Boiler, Ref. Gas	2	SVOC	Perylene	A3-v0	2.09E-06	2.01E-06	2.27E-06	1.99E-06	lbs/MMcf	1	7.52	18.69	0.00
Boiler, Ref. Gas	2	SVOC	Phenol	A3-v0	2.63E-03	2.61E-03	2.96E-03	2.30E-03	lbs/MMcf	1	12.47	30.97	1.00
Boiler, Ref. Gas	2	VOC	1,1,1-Trichloroethane	A3-v0	6.39E-02	6.81E-02	6.81E-02	5.56E-02	lbs/MMcf	1	11.32	28.12	0.00
Boiler, Ref. Gas	2	VOC	1,2-Dichloroethane	A3-v0	2.03E+00	2.16E+00	2.16E+00	1.77E+00	lbs/MMcf	1	11.20	27.83	0.00
Boiler, Ref. Gas	2	VOC	Acetaldehyde	A3-v0	5.75E-01	5.61E-01	6.50E-01	5.14E-01	lbs/MMcf	1	11.99	29.78	1.00
Boiler, Ref. Gas	2	VOC	Ammonia	B3-v0	3.21E+00	3.37E+00	3.93E+00	2.34E+00	lbs/MMcf	1	25.08	62.29	1.00
Boiler, Ref. Gas	2	VOC	Benzene	A3-v0	8.38E-02	8.13E-02	8.88E-02	8.13E-02	lbs/MMcf	1	5.16	12.82	0.00
Boiler, Ref. Gas	2	VOC	Carbon Tetrachloride	A3-v0	1.19E-02	1.27E-02	1.27E-02	1.03E-02	lbs/MMcf	1	11.32	28.11	0.00
Boiler, Ref. Gas	2	VOC	Chloroform	A3-v0	5.72E-02	6.09E-02	6.09E-02	4.97E-02	lbs/MMcf	1	11.27	28.00	0.00
Boiler, Ref. Gas	2	VOC	Cyanide	E3-v0	1.25E-02	1.24E-02	1.43E-02	1.07E-02	lbs/MMcf	1	14.40	35.77	0.00
Boiler, Ref. Gas	2	VOC	Formaldehyde	A3-v0	1.93E+00	1.79E+00	2.37E+00	1.62E+00	lbs/MMcf	1	20.37	50.60	1.00
Boiler, Ref. Gas	2	VOC	Hydrogen Sulfide	A3-v0	1.02E+00	1.10E+00	1.19E+00	6.74E-01	lbs/MMcf	2	19.03	19.97	0.00
Boiler, Ref. Gas	2	VOC	Methylene Chloride	A3-v0	2.41E+00	2.57E+00	2.57E+00	2.09E+00	lbs/MMcf	1	11.47	28.50	0.00
Boiler, Ref. Gas	2	VOC	Tetrachloroethene	A3-v0	1.30E-02	1.38E-02	1.38E-02	1.13E-02	lbs/MMcf	1	11.30	28.08	0.00
Boiler, Ref. Gas	2	VOC	Toluene	A3-v0	9.88E-02	9.59E-02	1.05E-01	9.59E-02	lbs/MMcf	1	5.09	12.63	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Boiler, Ref. Gas	2	VOC	Trichloroethene	A3-v1	3.84E-02	4.91E-02	6.01E-02	6.01E-03	lbs/MMcf	1	74.44	184.93	0.00
Boiler, Ref. Gas	2	VOC	Trichlorofluoromethane	A3-v0	9.80E-03	1.04E-02	1.04E-02	8.52E-03	lbs/MMcf	1	11.24	27.92	0.00
Boiler, Ref. Gas	2	VOC	Xylene (Total)	A3-v0	1.14E-01	1.10E-01	1.21E-01	1.10E-01	lbs/MMcf	1	5.15	12.78	0.00
Boiler, Wood	1	Dioxin/Furan	Dioxin:4D 2378	A3-v0	6.75E-12	6.74E-12	9.74E-12	3.78E-12	lbs/ton	1	44.13	109.61	0.00
Boiler, Wood	1	Dioxin/Furan	Dioxin:4D Total	A3-v1	1.17E-09	7.39E-10	2.44E-09	3.34E-10	lbs/ton	1	95.36	236.89	1.00
Boiler, Wood	1	Dioxin/Furan	Dioxin:5D 12378	A3-v1	1.57E-11	1.06E-11	3.32E-11	3.12E-12	lbs/ton	1	100.03	248.48	0.00
Boiler, Wood	1	Dioxin/Furan	Dioxin:5D Total	A3-v1	9.94E-10	5.65E-10	2.08E-09	3.34E-10	lbs/ton	1	95.57	237.40	1.00
Boiler, Wood	1	Dioxin/Furan	Dioxin:6D 123478	A3-v1	2.56E-11	1.25E-11	5.54E-11	8.91E-12	lbs/ton	1	101.08	251.11	0.72
Boiler, Wood	1	Dioxin/Furan	Dioxin:6D 123678	A3-v1	3.74E-11	2.39E-11	7.75E-11	1.07E-11	lbs/ton	1	94.71	235.28	0.90
Boiler, Wood	1	Dioxin/Furan	Dioxin:6D 123789	A3-v1	2.64E-11	1.13E-11	5.98E-11	8.04E-12	lbs/ton	1	109.76	272.67	0.76
Boiler, Wood	1	Dioxin/Furan	Dioxin:6D Total	A3-v1	2.72E-09	1.24E-09	6.20E-09	7.34E-10	lbs/ton	1	110.88	275.44	1.00
Boiler, Wood	1	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	5.74E-10	4.56E-10	8.86E-10	3.78E-10	lbs/ton	1	47.65	118.37	1.00
Boiler, Wood	1	Dioxin/Furan	Dioxin:7D Total	A3-v0	1.08E-09	8.69E-10	1.64E-09	7.34E-10	lbs/ton	1	45.14	112.14	1.00
Boiler, Wood	1	Dioxin/Furan	Dioxin:8D	A3-v0	7.86E-09	8.46E-09	8.48E-09	6.64E-09	lbs/ton	1	13.39	33.26	1.00
Boiler, Wood	1	Dioxin/Furan	Furan:4F 2378	A3-v0	3.74E-11	3.91E-11	4.87E-11	2.45E-11	lbs/ton	1	32.61	81.00	1.00
Boiler, Wood	1	Dioxin/Furan	Furan:4F Total	A3-v0	9.75E-10	1.13E-09	1.33E-09	4.67E-10	lbs/ton	1	46.24	114.88	1.00
Boiler, Wood	1	Dioxin/Furan	Furan:5F 12378	A3-v0	2.24E-11	1.61E-11	3.76E-11	1.36E-11	lbs/ton	1	58.99	146.54	0.80
Boiler, Wood	1	Dioxin/Furan	Furan:5F 23478	A3-v0	2.57E-11	2.39E-11	3.99E-11	1.34E-11	lbs/ton	1	51.92	128.97	0.83
Boiler, Wood	1	Dioxin/Furan	Furan:5F Total	A3-v0	3.69E-10	4.43E-10	4.78E-10	1.87E-10	lbs/ton	1	43.03	106.90	1.00
Boiler, Wood	1	Dioxin/Furan	Furan:6F 123478	A3-v0	2.68E-11	3.26E-11	3.76E-11	1.02E-11	lbs/ton	1	54.38	135.08	0.87
Boiler, Wood	1	Dioxin/Furan	Furan:6F 123678	A3-v0	2.72E-11	3.04E-11	3.54E-11	1.58E-11	lbs/ton	1	37.48	93.10	0.81
Boiler, Wood	1	Dioxin/Furan	Furan:6F 123789	A3-v0	8.31E-12	8.23E-12	1.04E-11	6.30E-12	lbs/ton	1	24.71	61.38	0.00
Boiler, Wood	1	Dioxin/Furan	Furan:6F 234678	A3-v0	3.14E-11	2.39E-11	5.09E-11	1.94E-11	lbs/ton	1	54.36	135.04	0.79
Boiler, Wood	1	Dioxin/Furan	Furan:6F Total	A3-v0	2.67E-10	2.66E-10	3.69E-10	1.65E-10	lbs/ton	1	38.40	95.39	1.00
Boiler, Wood	1	Dioxin/Furan	Furan:7F 1234678	A3-v0	1.98E-10	2.14E-10	2.17E-10	1.62E-10	lbs/ton	1	15.75	39.14	1.00
Boiler, Wood	1	Dioxin/Furan	Furan:7F 1234789	A3-v0	1.63E-11	1.46E-11	2.07E-11	1.37E-11	lbs/ton	1	23.30	57.88	0.00
Boiler, Wood	1	Dioxin/Furan	Furan:7F Total	A3-v0	3.75E-10	4.01E-10	4.13E-10	3.10E-10	lbs/ton	1	15.00	37.25	1.00
Boiler, Wood	1	Dioxin/Furan	Furan:8F	A3-v0	4.92E-10	5.09E-10	5.22E-10	4.45E-10	lbs/ton	1	8.35	20.74	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Boiler, Wood	1	PAH	Acenaphthene	A3-v0	3.72E-07	3.75E-07	3.84E-07	3.58E-07	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PAH	Acenaphthylene	A3-v0	2.17E-07	2.14E-07	3.16E-07	1.20E-07	lbs/ton	1	45.35	112.64	1.00
Boiler, Wood	1	PAH	Anthracene	A3-v0	3.07E-07	3.09E-07	3.16E-07	2.95E-07	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PAH	Benzo(a)anthracene	A3-v0	1.10E-08	1.10E-08	1.13E-08	1.05E-08	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PAH	Benzo(a)pyrene	A3-v0	1.10E-08	1.10E-08	1.13E-08	1.05E-08	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PAH	Benzo(b)fluoranthene	A3-v0	2.10E-08	1.96E-08	2.43E-08	1.92E-08	lbs/ton	1	13.46	33.43	1.00
Boiler, Wood	1	PAH	Benzo(e)pyrene	A3-v0	4.09E-08	4.21E-08	4.74E-08	3.31E-08	lbs/ton	1	17.69	43.94	1.00
Boiler, Wood	1	PAH	Benzo(g,h,i)perylene	A3-v0	1.31E-07	1.37E-07	1.51E-07	1.06E-07	lbs/ton	1	17.63	43.79	1.00
Boiler, Wood	1	PAH	Benzo(k)fluoranthene	A3-v0	1.10E-08	1.10E-08	1.13E-08	1.05E-08	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PAH	Chrysene	A3-v0	8.10E-08	8.17E-08	8.35E-08	7.80E-08	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PAH	Dibenz(a,h)anthracene	A3-v0	1.10E-08	1.10E-08	1.13E-08	1.05E-08	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PAH	Fluoranthene	A3-v0	9.86E-07	9.93E-07	1.02E-06	9.48E-07	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PAH	Fluorene	A3-v0	6.79E-07	6.84E-07	7.00E-07	6.53E-07	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	2.28E-08	2.32E-08	2.48E-08	2.03E-08	lbs/ton	1	10.06	24.98	1.00
Boiler, Wood	1	PAH	Naphthalene	A3-v0	2.28E-05	2.21E-05	3.58E-05	1.04E-05	lbs/ton	1	55.94	138.95	1.00
Boiler, Wood	1	PAH	Phenanthrene	A3-v0	2.08E-06	2.10E-06	2.14E-06	2.00E-06	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PAH	Pyrene	A3-v0	5.48E-07	5.52E-07	5.64E-07	5.27E-07	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	PCB	PCB:Decachlorinated biphenyls	A3-v0	3.23E-10	3.48E-10	3.56E-10	2.66E-10	lbs/ton	1	15.44	38.36	0.00
Boiler, Wood	1	PCB	PCB:Dichlorinated biphenyls	A3-v0	8.77E-09	7.34E-09	1.44E-08	4.56E-09	lbs/ton	1	57.80	143.59	0.55
Boiler, Wood	1	PCB	PCB:Heptachlorinated biphenyls	A3-v0	1.27E-09	1.35E-09	1.83E-09	6.45E-10	lbs/ton	1	46.61	115.79	0.83
Boiler, Wood	1	PCB	PCB:Hexachlorinated biphenyls	A3-v0	5.14E-09	5.34E-09	6.08E-09	3.99E-09	lbs/ton	1	20.71	51.45	1.00
Boiler, Wood	1	PCB	PCB:Monochlorinated biphenyls	A3-v0	3.89E-09	4.21E-09	4.56E-09	2.89E-09	lbs/ton	1	22.63	56.22	1.00
Boiler, Wood	1	PCB	PCB:Nonachlorinated biphenyls	A3-v0	1.04E-10	1.09E-10	1.13E-10	8.86E-11	lbs/ton	1	12.66	31.44	0.00
Boiler, Wood	1	PCB	PCB:Octachlorinated biphenyls	A3-v0	1.75E-10	1.78E-10	2.45E-10	1.02E-10	lbs/ton	1	40.88	101.55	0.00
Boiler, Wood	1	PCB	PCB:Pentachlorinated biphenyls	A3-v0	1.15E-08	1.09E-08	1.35E-08	1.02E-08	lbs/ton	1	15.00	37.25	1.00
Boiler, Wood	1	PCB	PCB:Tetrachlorinated	A3-v0	2.85E-08	2.44E-08	3.91E-08	2.20E-08	lbs/ton	1	32.51	80.75	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
			biphenyls										
Boiler, Wood	1	PCB	PCB:Trichlorinated biphenyls	A3-v0	3.16E-08	2.89E-08	3.69E-08	2.88E-08	lbs/ton	1	14.79	36.74	1.00
Boiler, Wood	1	SVOC	2-Methylnaphthalene	A3-v0	3.29E-07	3.31E-07	3.39E-07	3.16E-07	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	SVOC	Perylene	A3-v0	1.10E-08	1.10E-08	1.13E-08	1.05E-08	lbs/ton	1	3.50	8.70	0.00
Boiler, Wood	1	VOC	Formaldehyde	A3-v1	6.54E-04	6.49E-04	1.09E-03	2.18E-04	lbs/ton	1	67.06	166.60	1.00
Catalytic Reformer	1	Dioxin/Furan	Dioxin:4D 2378	A3-v0	1.46E-11	1.44E-11	1.99E-11	9.60E-12	lbs/1000 Barrels	1	35.18	87.40	0.00
Catalytic Reformer	1	Dioxin/Furan	Dioxin:4D Total	A3-v0	1.46E-11	1.44E-11	1.99E-11	9.60E-12	lbs/1000 Barrels	1	35.18	87.40	0.00
Catalytic Reformer	1	Dioxin/Furan	Dioxin:5D 12378	A3-v0	4.19E-11	5.25E-11	5.31E-11	2.02E-11	lbs/1000 Barrels	1	44.84	111.40	0.42
Catalytic Reformer	1	Dioxin/Furan	Dioxin:5D Total	A3-v1	1.11E-10	1.03E-10	1.93E-10	3.70E-11	lbs/1000 Barrels	1	70.57	175.31	1.00
Catalytic Reformer	1	Dioxin/Furan	Dioxin:6D 123478	A3-v0	3.73E-11	3.94E-11	4.08E-11	3.15E-11	lbs/1000 Barrels	1	13.41	33.31	0.35
Catalytic Reformer	1	Dioxin/Furan	Dioxin:6D 123678	A3-v0	3.44E-11	3.67E-11	4.83E-11	1.82E-11	lbs/1000 Barrels	1	44.23	109.87	0.00
Catalytic Reformer	1	Dioxin/Furan	Dioxin:6D 123789	A3-v0	3.18E-11	2.88E-11	4.22E-11	2.43E-11	lbs/1000 Barrels	1	29.20	72.54	0.00
Catalytic Reformer	1	Dioxin/Furan	Dioxin:6D Total	A3-v0	3.99E-10	3.13E-10	7.01E-10	1.84E-10	lbs/1000 Barrels	1	67.38	167.38	1.00
Catalytic Reformer	1	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	2.19E-10	1.73E-10	3.61E-10	1.21E-10	lbs/1000 Barrels	1	57.74	143.44	1.00
Catalytic Reformer	1	Dioxin/Furan	Dioxin:7D Total	A3-v0	4.33E-10	3.13E-10	7.75E-10	2.10E-10	lbs/1000 Barrels	1	69.54	172.74	1.00
Catalytic Reformer	1	Dioxin/Furan	Dioxin:8D	A3-v0	7.95E-10	8.15E-10	8.91E-10	6.80E-10	lbs/1000 Barrels	1	13.45	33.41	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:4F 2378	A3-v1	7.22E-11	7.23E-11	1.26E-10	1.82E-11	lbs/1000 Barrels	1	74.76	185.72	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:4F Total	A3-v0	8.42E-10	8.43E-10	1.24E-09	4.46E-10	lbs/1000 Barrels	1	46.91	116.53	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:5F 12378	A3-v0	1.46E-10	1.84E-10	2.09E-10	4.35E-11	lbs/1000 Barrels	1	61.34	152.39	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:5F 23478	A3-v1	3.41E-10	2.89E-10	6.50E-10	8.30E-11	lbs/1000 Barrels	1	84.28	209.37	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:5F Total	A3-v1	1.59E-09	1.45E-09	2.89E-09	4.46E-10	lbs/1000 Barrels	1	77.09	191.50	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:6F 123478	A3-v0	3.29E-10	3.37E-10	4.57E-10	1.94E-10	lbs/1000 Barrels	1	39.86	99.01	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:6F 123678	A3-v0	3.35E-10	4.11E-10	4.25E-10	1.68E-10	lbs/1000 Barrels	1	43.10	107.06	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:6F 123789	A3-v0	4.25E-11	4.66E-11	4.73E-11	3.36E-11	lbs/1000 Barrels	1	18.18	45.15	0.00
Catalytic Reformer	1	Dioxin/Furan	Furan:6F 234678	A3-v0	3.81E-10	4.23E-10	5.42E-10	1.79E-10	lbs/1000 Barrels	1	48.57	120.66	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:6F Total	A3-v0	2.45E-09	2.89E-09	3.08E-09	1.37E-09	lbs/1000 Barrels	1	38.40	95.38	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:7F 1234678	A3-v1	9.15E-10	4.58E-10	2.12E-09	1.63E-10	lbs/1000 Barrels	1	115.60	287.16	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:7F 1234789	A3-v0	2.59E-10	1.78E-10	4.89E-10	1.10E-10	lbs/1000 Barrels	1	77.82	193.31	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Catalytic Reformer	1	Dioxin/Furan	Furan:7F Total	A3-v1	1.52E-09	7.95E-10	3.51E-09	2.63E-10	lbs/1000 Barrels	1	114.32	283.99	1.00
Catalytic Reformer	1	Dioxin/Furan	Furan:8F	A3-v1	3.14E-10	9.87E-11	7.54E-10	8.95E-11	lbs/1000 Barrels	1	121.33	301.40	1.00
Catalytic Reformer	2	Dioxin/Furan	Dioxin:4D 2378	A3-v0	1.93E-11	1.71E-11	3.36E-11	7.20E-12	lbs/1000 Barrels	1	69.03	171.49	0.00
Catalytic Reformer	2	Dioxin/Furan	Dioxin:4D Total	A3-v0	1.93E-11	1.71E-11	3.36E-11	7.20E-12	lbs/1000 Barrels	1	69.03	171.49	0.00
Catalytic Reformer	2	Dioxin/Furan	Dioxin:5D 12378	A3-v0	8.57E-12	9.26E-12	9.94E-12	6.51E-12	lbs/1000 Barrels	1	21.17	52.58	0.00
Catalytic Reformer	2	Dioxin/Furan	Dioxin:5D Total	A3-v1	3.95E-11	1.68E-11	9.53E-11	6.51E-12	lbs/1000 Barrels	1	122.84	305.14	0.00
Catalytic Reformer	2	Dioxin/Furan	Dioxin:6D 123478	A3-v0	2.39E-11	2.23E-11	3.36E-11	1.58E-11	lbs/1000 Barrels	1	37.77	93.82	0.00
Catalytic Reformer	2	Dioxin/Furan	Dioxin:6D 123678	A3-v0	2.61E-11	2.23E-11	3.36E-11	2.23E-11	lbs/1000 Barrels	1	25.07	62.28	0.00
Catalytic Reformer	2	Dioxin/Furan	Dioxin:6D 123789	A3-v0	2.29E-11	1.92E-11	3.36E-11	1.58E-11	lbs/1000 Barrels	1	41.39	102.81	0.00
Catalytic Reformer	2	Dioxin/Furan	Dioxin:6D Total	A3-v1	8.65E-11	4.49E-11	1.81E-10	3.36E-11	lbs/1000 Barrels	1	94.84	235.59	0.70
Catalytic Reformer	2	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	1.19E-10	1.07E-10	1.51E-10	1.01E-10	lbs/1000 Barrels	1	22.92	56.94	0.72
Catalytic Reformer	2	Dioxin/Furan	Dioxin:7D Total	A3-v0	1.92E-10	2.02E-10	2.72E-10	1.01E-10	lbs/1000 Barrels	1	44.91	111.55	0.82
Catalytic Reformer	2	Dioxin/Furan	Dioxin:8D	A3-v0	8.37E-10	8.13E-10	1.35E-09	3.52E-10	lbs/1000 Barrels	1	59.38	147.52	1.00
Catalytic Reformer	2	Dioxin/Furan	Furan:4F 2378	A3-v0	1.79E-11	1.47E-11	3.09E-11	8.23E-12	lbs/1000 Barrels	1	64.92	161.27	0.00
Catalytic Reformer	2	Dioxin/Furan	Furan:4F Total	A3-v1	2.82E-10	1.88E-10	5.61E-10	9.67E-11	lbs/1000 Barrels	1	87.27	216.80	1.00
Catalytic Reformer	2	Dioxin/Furan	Furan:5F 12378	A3-v0	3.37E-11	3.91E-11	4.49E-11	1.71E-11	lbs/1000 Barrels	1	43.44	107.90	0.61
Catalytic Reformer	2	Dioxin/Furan	Furan:5F 23478	A3-v0	6.64E-11	5.31E-11	1.01E-10	4.53E-11	lbs/1000 Barrels	1	45.26	112.43	0.73
Catalytic Reformer	2	Dioxin/Furan	Furan:5F Total	A3-v0	4.47E-10	5.33E-10	6.17E-10	1.91E-10	lbs/1000 Barrels	1	50.42	125.25	1.00
Catalytic Reformer	2	Dioxin/Furan	Furan:6F 123478	A3-v0	7.44E-11	8.13E-11	9.15E-11	5.04E-11	lbs/1000 Barrels	1	28.78	71.49	0.77
Catalytic Reformer	2	Dioxin/Furan	Furan:6F 123678	A3-v0	9.99E-11	9.26E-11	1.51E-10	5.62E-11	lbs/1000 Barrels	1	47.79	118.72	0.81
Catalytic Reformer	2	Dioxin/Furan	Furan:6F 123789	A3-v0	3.31E-11	3.36E-11	4.77E-11	1.82E-11	lbs/1000 Barrels	1	44.50	110.54	0.00
Catalytic Reformer	2	Dioxin/Furan	Furan:6F 234678	A3-v0	1.96E-10	1.63E-10	3.42E-10	8.40E-11	lbs/1000 Barrels	1	67.45	167.54	0.86
Catalytic Reformer	2	Dioxin/Furan	Furan:6F Total	A3-v0	7.39E-10	7.01E-10	1.21E-09	3.09E-10	lbs/1000 Barrels	1	61.00	151.54	1.00
Catalytic Reformer	2	Dioxin/Furan	Furan:7F 1234678	A3-v2	2.90E-10	1.35E-10	7.25E-10	1.10E-11	lbs/1000 Barrels	1	131.46	326.56	0.99
Catalytic Reformer	2	Dioxin/Furan	Furan:7F 1234789	A3-v1	1.73E-10	3.36E-11	4.73E-10	1.23E-11	lbs/1000 Barrels	1	150.34	373.46	0.91
Catalytic Reformer	2	Dioxin/Furan	Furan:7F Total	A3-v2	5.40E-10	1.99E-10	1.41E-09	1.23E-11	lbs/1000 Barrels	1	140.36	348.68	0.99
Catalytic Reformer	2	Dioxin/Furan	Furan:8F	A3-v1	1.48E-10	1.91E-10	2.19E-10	3.36E-11	lbs/1000 Barrels	1	67.57	167.84	0.43
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:4D 2378	D3-v1	5.01E-11	3.98E-11	1.14E-10	7.52E-12	lbs/ton production	2	94.01	98.66	0.23

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:4D Total	D3-v2	2.20E-09	1.36E-09	6.14E-09	2.32E-11	lbs/ton production	2	118.61	124.47	1.00
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:5D 12378	D3-v1	8.74E-11	8.21E-11	1.61E-10	2.04E-11	lbs/ton production	2	81.98	86.04	0.60
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:5D Total	D3-v1	1.15E-09	9.37E-10	2.75E-09	1.42E-10	lbs/ton production	2	99.16	104.06	0.93
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:6D 123478	D3-v1	6.39E-11	6.14E-11	1.19E-10	2.14E-11	lbs/ton production	2	68.83	72.23	0.81
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:6D 123678	D3-v1	6.45E-11	5.88E-11	1.37E-10	1.42E-11	lbs/ton production	2	83.53	87.66	0.87
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:6D 123789	D3-v1	9.06E-11	8.71E-11	1.78E-10	1.72E-11	lbs/ton production	2	85.66	89.89	0.60
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:6D Total	D3-v2	8.97E-10	8.62E-10	1.87E-09	2.14E-11	lbs/ton production	2	105.37	110.58	0.99
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:7D 1234678	D3-v1	2.61E-10	2.39E-10	6.05E-10	1.57E-11	lbs/ton production	2	100.03	104.98	0.99
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:7D Total	D3-v2	5.71E-10	5.12E-10	1.28E-09	1.57E-11	lbs/ton production	2	101.46	106.48	1.00
Cement Kiln, Coal	1	Dioxin/Furan	Dioxin:8D	D3-v1	4.97E-10	3.98E-10	1.19E-09	9.16E-11	lbs/ton production	2	91.43	95.95	1.00
Cement Kiln, Coal	1	Dioxin/Furan	Furan:4F 2378	D3-v2	1.08E-09	8.88E-10	2.80E-09	1.42E-11	lbs/ton production	2	112.56	118.13	1.00
Cement Kiln, Coal	1	Dioxin/Furan	Furan:4F Total	D3-v2	4.29E-08	3.66E-08	1.09E-07	3.14E-10	lbs/ton production	2	112.10	117.65	1.00
Cement Kiln, Coal	1	Dioxin/Furan	Furan:5F 12378	D3-v2	4.30E-10	3.07E-10	1.23E-09	1.72E-11	lbs/ton production	2	116.26	122.00	0.99
Cement Kiln, Coal	1	Dioxin/Furan	Furan:5F 23478	D3-v2	5.66E-10	4.28E-10	1.49E-09	1.45E-11	lbs/ton production	2	112.66	118.22	1.00
Cement Kiln, Coal	1	Dioxin/Furan	Furan:5F Total	D3-v3	7.58E-09	5.75E-09	2.13E-08	1.72E-11	lbs/ton production	2	117.22	123.01	1.00
Cement Kiln, Coal	1	Dioxin/Furan	Furan:6F 123478	D3-v2	3.96E-10	2.49E-10	1.31E-09	7.28E-12	lbs/ton production	2	130.04	136.47	0.99
Cement Kiln, Coal	1	Dioxin/Furan	Furan:6F 123678	D3-v2	1.37E-10	9.57E-11	4.21E-10	5.42E-12	lbs/ton production	2	121.18	127.17	0.98
Cement Kiln, Coal	1	Dioxin/Furan	Furan:6F 123789	D3-v1	2.74E-11	2.50E-11	5.09E-11	8.84E-12	lbs/ton production	2	67.88	71.23	0.27
Cement Kiln, Coal	1	Dioxin/Furan	Furan:6F 234678	D3-v2	1.32E-10	9.39E-11	3.86E-10	6.42E-12	lbs/ton production	2	116.54	122.30	0.97
Cement Kiln, Coal	1	Dioxin/Furan	Furan:6F Total	D3-v3	1.51E-09	9.38E-10	5.00E-09	8.84E-12	lbs/ton production	2	130.18	136.61	1.00
Cement Kiln, Coal	1	Dioxin/Furan	Furan:7F 1234678	D3-v1	1.10E-10	9.31E-11	2.54E-10	7.85E-12	lbs/ton production	2	97.10	101.90	0.97
Cement Kiln, Coal	1	Dioxin/Furan	Furan:7F 1234789	D3-v1	3.57E-11	3.13E-11	6.77E-11	1.08E-11	lbs/ton production	2	72.40	75.98	0.29
Cement Kiln, Coal	1	Dioxin/Furan	Furan:7F Total	D3-v1	1.44E-10	1.10E-10	3.68E-10	1.18E-11	lbs/ton production	2	102.32	107.38	0.97
Cement Kiln, Coal	1	Dioxin/Furan	Furan:8F	D3-v1	9.08E-11	8.08E-11	1.92E-10	8.98E-12	lbs/ton production	2	97.32	102.13	0.63
Cement Kiln, Coal	1	Metals	Arsenic	D3-v1	3.02E-06	1.77E-06	6.97E-06	7.24E-07	lbs/ton production	2	91.30	95.82	0.81
Cement Kiln, Coal	1	Metals	Beryllium	D3-v1	2.25E-06	8.83E-07	7.34E-06	4.47E-07	lbs/ton production	2	122.29	128.34	0.90
Cement Kiln, Coal	1	Metals	Cadmium	D3-v2	1.46E-06	1.45E-06	2.79E-06	1.42E-08	lbs/ton production	2	60.81	63.82	0.51
Cement Kiln, Coal	1	Metals	Chromium (Hex)	C3-v0	6.70E-07	6.00E-07	8.64E-07	5.47E-07	lbs/ton production	1	25.35	62.98	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Cement Kiln, Coal	1	Metals	Chromium (Total)	D3-v0	2.43E-06	1.68E-06	4.34E-06	1.61E-06	lbs/ton production	2	48.89	60.70	1.00
Cement Kiln, Coal	1	Metals	Copper	D3-v0	8.00E-06	8.28E-06	1.27E-05	4.18E-06	lbs/ton production	2	40.29	42.28	0.62
Cement Kiln, Coal	1	Metals	Lead	D3-v2	9.70E-05	1.96E-05	3.06E-04	2.60E-06	lbs/ton production	2	139.85	146.76	1.00
Cement Kiln, Coal	1	Metals	Manganese	D3-v2	5.51E-04	3.27E-05	3.00E-03	9.52E-06	lbs/ton production	2	217.94	228.72	1.00
Cement Kiln, Coal	1	Metals	Mercury	D3-v0	7.59E-05	7.14E-05	1.27E-04	3.43E-05	lbs/ton production	2	50.05	52.53	1.00
Cement Kiln, Coal	1	Metals	Nickel	D3-v2	5.44E-06	4.24E-06	1.40E-05	2.70E-07	lbs/ton production	2	99.65	123.74	1.00
Cement Kiln, Coal	1	Metals	Phosphorus	E3-v1	1.31E-04	1.59E-04	2.14E-04	1.90E-05	lbs/ton production	1	76.94	191.13	1.00
Cement Kiln, Coal	1	Metals	Selenium	D3-v1	5.91E-06	1.41E-06	2.02E-05	4.26E-07	lbs/ton production	2	138.77	145.63	0.91
Cement Kiln, Coal	1	Metals	Strontium	E3-v0	4.68E-06	4.73E-06	4.76E-06	4.55E-06	lbs/ton production	1	2.51	6.24	0.00
Cement Kiln, Coal	1	Metals	Zinc	D3-v1	1.34E-03	6.99E-04	3.26E-03	7.14E-05	lbs/ton production	2	115.44	121.14	1.00
Cement Kiln, Coal	1	PAH	Acenaphthene	D3-v2	7.80E-06	6.95E-06	1.90E-05	5.00E-08	lbs/ton production	2	110.23	115.68	1.00
Cement Kiln, Coal	1	PAH	Acenaphthylene	D3-v1	2.35E-07	1.01E-07	9.10E-07	5.42E-08	lbs/ton production	2	140.95	147.92	1.00
Cement Kiln, Coal	1	PAH	Anthracene	D3-v2	2.84E-06	1.84E-06	9.52E-06	1.48E-07	lbs/ton production	2	126.38	132.62	1.00
Cement Kiln, Coal	1	PAH	Benzo(a)anthracene	D3-v1	2.11E-07	1.51E-07	6.14E-07	5.20E-08	lbs/ton production	2	96.39	101.15	1.00
Cement Kiln, Coal	1	PAH	Benzo(a)pyrene	D3-v0	1.86E-08	1.49E-08	3.07E-08	1.39E-08	lbs/ton production	2	43.34	68.96	0.41
Cement Kiln, Coal	1	PAH	Benzo(b)fluoranthene	D3-v1	1.75E-07	7.97E-08	6.57E-07	1.64E-08	lbs/ton production	2	137.44	144.24	1.00
Cement Kiln, Coal	1	PAH	Benzo(e)pyrene	E3-v1	1.84E-07	5.95E-08	4.60E-07	3.31E-08	lbs/ton production	1	129.80	322.44	1.00
Cement Kiln, Coal	1	PAH	Benzo(g,h,i)perylene	D3-v1	1.12E-08	1.44E-08	1.50E-08	8.76E-10	lbs/ton production	2	61.60	98.02	0.02
Cement Kiln, Coal	1	PAH	Benzo(k)fluoranthene	D3-v1	1.27E-08	8.74E-09	3.61E-08	8.50E-10	lbs/ton production	2	111.30	116.81	0.75
Cement Kiln, Coal	1	PAH	Chrysene	D3-v2	1.16E-06	5.34E-07	4.76E-06	5.49E-08	lbs/ton production	2	154.95	162.61	1.00
Cement Kiln, Coal	1	PAH	Dibenz(a,h)anthracene	C3-v0	1.46E-08	1.48E-08	1.50E-08	1.39E-08	lbs/ton production	1	4.27	10.60	0.00
Cement Kiln, Coal	1	PAH	Fluoranthene	D3-v1	2.00E-06	2.28E-06	3.64E-06	5.05E-07	lbs/ton production	2	61.06	64.08	1.00
Cement Kiln, Coal	1	PAH	Fluorene	D3-v1	9.59E-07	9.19E-07	1.79E-06	3.33E-07	lbs/ton production	2	57.98	60.85	1.00
Cement Kiln, Coal	1	PAH	Indeno(1,2,3-cd)pyrene	D3-v1	9.65E-09	1.39E-08	1.50E-08	1.75E-09	lbs/ton production	2	70.25	87.22	0.09
Cement Kiln, Coal	1	PAH	Naphthalene	D3-v0	1.64E-05	1.72E-05	1.82E-05	1.36E-05	lbs/ton production	2	12.16	12.76	1.00
Cement Kiln, Coal	1	PAH	Phenanthrene	D3-v0	3.68E-06	4.38E-06	4.76E-06	1.93E-06	lbs/ton production	2	35.53	37.29	1.00
Cement Kiln, Coal	1	PAH	Pyrene	D3-v1	2.03E-06	1.83E-06	4.82E-06	2.97E-07	lbs/ton production	2	84.40	88.57	1.00
Cement Kiln, Coal	1	VOC	Acetaldehyde	C3-v1	4.53E-04	5.33E-04	6.93E-04	1.33E-04	lbs/ton production	1	63.63	158.06	0.90

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Cement Kiln, Coal	1	VOC	Benzene	E3-v0	1.40E-03	1.10E-03	2.09E-03	1.00E-03	lbs/ton production	1	43.30	107.57	0.00
Cement Kiln, Coal	1	VOC	Formaldehyde	D3-v1	5.72E-05	5.29E-05	1.42E-04	9.09E-06	lbs/ton production	2	83.00	87.10	0.95
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:4D 2378	E3-v1	4.60E-13	3.39E-13	8.84E-13	1.57E-13	lbs/ton production	1	82.24	204.29	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:4D Total	E3-v1	4.60E-13	3.39E-13	8.84E-13	1.57E-13	lbs/ton production	1	82.24	204.29	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:5D 12378	E3-v0	4.36E-13	3.62E-13	7.36E-13	2.09E-13	lbs/ton production	1	62.33	154.82	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:5D Total	E3-v0	4.36E-13	3.62E-13	7.36E-13	2.09E-13	lbs/ton production	1	62.33	154.82	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:6D 123478	E3-v0	4.36E-13	3.76E-13	7.36E-13	1.94E-13	lbs/ton production	1	63.39	157.46	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:6D 123678	E3-v0	4.36E-13	3.76E-13	7.36E-13	1.94E-13	lbs/ton production	1	63.39	157.46	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:6D 123789	E3-v0	4.36E-13	3.76E-13	7.36E-13	1.94E-13	lbs/ton production	1	63.39	157.46	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:6D Total	E3-v0	4.36E-13	3.76E-13	7.36E-13	1.94E-13	lbs/ton production	1	63.39	157.46	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:7D 1234678	E3-v0	3.21E-12	3.17E-12	3.31E-12	3.13E-12	lbs/ton production	1	2.98	7.40	1.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:7D Total	E3-v0	5.65E-12	5.67E-12	6.27E-12	5.00E-12	lbs/ton production	1	11.32	28.11	1.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Dioxin:8D	E3-v0	3.01E-11	2.95E-11	3.58E-11	2.50E-11	lbs/ton production	1	17.93	44.55	0.60
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:4F 2378	E3-v1	3.15E-13	1.12E-13	7.29E-13	1.03E-13	lbs/ton production	1	114.01	283.22	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:4F Total	E3-v1	3.08E-12	3.06E-12	5.46E-12	7.29E-13	lbs/ton production	1	76.76	190.69	0.92
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:5F 12378	E3-v0	3.25E-13	4.05E-13	4.43E-13	1.27E-13	lbs/ton production	1	53.13	131.98	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:5F 23478	E3-v0	3.25E-13	4.05E-13	4.43E-13	1.27E-13	lbs/ton production	1	53.13	131.98	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:5F Total	E3-v0	3.25E-13	4.05E-13	4.43E-13	1.27E-13	lbs/ton production	1	53.13	131.98	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:6F 123478	E3-v0	3.27E-13	2.07E-13	6.04E-13	1.71E-13	lbs/ton production	1	73.36	182.23	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:6F 123678	E3-v0	3.27E-13	2.07E-13	6.04E-13	1.71E-13	lbs/ton production	1	73.36	182.23	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:6F 123789	E3-v0	3.27E-13	2.07E-13	6.04E-13	1.71E-13	lbs/ton production	1	73.36	182.23	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:6F 234678	E3-v0	3.27E-13	2.07E-13	6.04E-13	1.71E-13	lbs/ton production	1	73.36	182.23	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:6F Total	E3-v0	3.27E-13	2.07E-13	6.04E-13	1.71E-13	lbs/ton production	1	73.36	182.23	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:7F 1234678	E3-v0	6.55E-13	6.12E-13	9.57E-13	3.95E-13	lbs/ton production	1	43.28	107.51	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:7F 1234789	E3-v0	6.55E-13	6.12E-13	9.57E-13	3.95E-13	lbs/ton production	1	43.28	107.51	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:7F Total	E3-v0	6.55E-13	6.12E-13	9.57E-13	3.95E-13	lbs/ton production	1	43.28	107.51	0.00
Cement Kiln, Coal/Coke	1	Dioxin/Furan	Furan:8F	E3-v0	1.26E-12	1.18E-12	1.99E-12	6.04E-13	lbs/ton production	1	55.29	137.35	0.00
Cement Kiln, Coal/Coke	1	Halogens	HCl	E3-v0	4.59E-05	4.30E-05	5.99E-05	3.47E-05	lbs/ton production	1	27.90	69.32	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Cement Kiln, Coal/Coke	1	Metals	Arsenic	E3-v0	2.59E-06	2.58E-06	2.91E-06	2.29E-06	lbs/ton production	1	11.87	29.50	0.00
Cement Kiln, Coal/Coke	1	Metals	Beryllium	E3-v0	5.03E-06	4.90E-06	5.71E-06	4.49E-06	lbs/ton production	1	12.39	30.77	0.00
Cement Kiln, Coal/Coke	1	Metals	Cadmium	E3-v0	2.90E-07	1.80E-07	5.61E-07	1.29E-07	lbs/ton production	1	81.33	202.03	1.00
Cement Kiln, Coal/Coke	1	Metals	Chromium (Hex)	E3-v0	2.80E-06	2.43E-06	3.57E-06	2.39E-06	lbs/ton production	1	23.98	59.58	1.00
Cement Kiln, Coal/Coke	1	Metals	Chromium (Total)	E3-v0	1.86E-06	1.62E-06	2.37E-06	1.60E-06	lbs/ton production	1	23.78	59.07	1.00
Cement Kiln, Coal/Coke	1	Metals	Copper	E3-v0	3.81E-06	4.12E-06	4.56E-06	2.76E-06	lbs/ton production	1	24.66	61.27	1.00
Cement Kiln, Coal/Coke	1	Metals	Lead	E3-v0	1.24E-06	8.91E-07	2.34E-06	5.03E-07	lbs/ton production	1	77.68	192.98	1.00
Cement Kiln, Coal/Coke	1	Metals	Manganese	E3-v0	8.85E-06	8.16E-06	1.04E-05	8.03E-06	lbs/ton production	1	14.88	36.96	0.00
Cement Kiln, Coal/Coke	1	Metals	Mercury	E3-v0	3.83E-06	3.35E-06	4.93E-06	3.20E-06	lbs/ton production	1	25.09	62.33	1.00
Cement Kiln, Coal/Coke	1	Metals	Nickel	E3-v0	2.60E-05	2.58E-05	2.93E-05	2.29E-05	lbs/ton production	1	12.24	30.42	0.00
Cement Kiln, Coal/Coke	1	Metals	Selenium	E3-v0	3.78E-06	3.57E-06	4.66E-06	3.11E-06	lbs/ton production	1	21.11	52.44	1.00
Cement Kiln, Coal/Coke	1	Metals	Zinc	E3-v0	1.02E-05	8.54E-06	1.43E-05	7.69E-06	lbs/ton production	1	35.29	87.68	1.00
Cement Kiln, Coal/Coke	1	PAH	Acenaphthene	E3-v1	1.95E-07	1.49E-07	4.05E-07	3.14E-08	lbs/ton production	1	97.86	243.09	0.69
Cement Kiln, Coal/Coke	1	PAH	Acenaphthylene	E3-v1	2.21E-06	6.41E-07	5.81E-06	1.95E-07	lbs/ton production	1	140.87	349.94	1.00
Cement Kiln, Coal/Coke	1	PAH	Anthracene	E3-v2	1.25E-07	1.25E-07	2.46E-07	4.74E-09	lbs/ton production	1	136.07	1222.55	0.98
Cement Kiln, Coal/Coke	1	PAH	Benzo(a)anthracene	E3-v0	8.19E-10	7.41E-10	9.87E-10	7.28E-10	lbs/ton production	1	17.87	44.40	1.00
Cement Kiln, Coal/Coke	1	PAH	Benzo(a)pyrene	E3-v0	2.50E-09	2.24E-09	3.43E-09	1.82E-09	lbs/ton production	1	33.37	82.90	1.00
Cement Kiln, Coal/Coke	1	PAH	Benzo(b)fluoranthene	E3-v1	1.84E-08	4.23E-09	4.86E-08	2.44E-09	lbs/ton production	1	141.94	352.59	0.12
Cement Kiln, Coal/Coke	1	PAH	Benzo(g,h,i)perylene	E3-v0	1.45E-09	1.66E-09	1.72E-09	9.87E-10	lbs/ton production	1	27.88	69.25	1.00
Cement Kiln, Coal/Coke	1	PAH	Benzo(k)fluoranthene	E3-v0	3.88E-09	3.63E-09	5.66E-09	2.34E-09	lbs/ton production	1	43.17	107.24	0.51
Cement Kiln, Coal/Coke	1	PAH	Chrysene	E3-v0	3.03E-09	3.12E-09	3.84E-09	2.12E-09	lbs/ton production	1	28.62	71.09	1.00
Cement Kiln, Coal/Coke	1	PAH	Dibenz(a,h)anthracene	E3-v0	1.19E-09	1.20E-09	1.46E-09	9.17E-10	lbs/ton production	1	22.86	56.79	1.00
Cement Kiln, Coal/Coke	1	PAH	Fluoranthene	E3-v0	1.64E-07	1.86E-07	2.39E-07	6.57E-08	lbs/ton production	1	54.36	135.04	1.00
Cement Kiln, Coal/Coke	1	PAH	Fluorene	E3-v1	3.51E-07	3.80E-07	6.29E-07	4.35E-08	lbs/ton production	1	83.76	208.06	1.00
Cement Kiln, Coal/Coke	1	PAH	Indeno(1,2,3-cd)pyrene	E3-v0	1.62E-09	1.62E-09	2.34E-09	9.17E-10	lbs/ton production	1	43.81	108.82	1.00
Cement Kiln, Coal/Coke	1	PAH	Naphthalene	E3-v1	3.24E-05	2.06E-05	7.37E-05	2.99E-06	lbs/ton production	1	113.47	281.88	1.00
Cement Kiln, Coal/Coke	1	PAH	Phenanthrene	E3-v1	7.44E-06	4.89E-06	1.64E-05	1.05E-06	lbs/ton production	1	107.26	266.44	1.00
Cement Kiln, Coal/Coke	1	PAH	Pyrene	E3-v0	8.24E-08	8.93E-08	1.27E-07	3.05E-08	lbs/ton production	1	59.16	146.95	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Cement Kiln, Coal/Coke	1	VOC	Benzene	E3-v0	2.99E-04	3.39E-04	3.45E-04	2.12E-04	lbs/ton production	1	25.04	62.20	1.00
Cement Kiln, Coal/Coke	1	VOC	Formaldehyde	E3-v0	8.60E-06	7.91E-06	1.03E-05	7.57E-06	lbs/ton production	1	17.44	43.31	1.00
Coating, Base/Catalyst/Solvent Mix	1	Metals	Chromium (Hex)	A3-v0	9.25E-05	8.83E-05	1.18E-04	7.08E-05	lbs/gal paint	1	25.94	64.44	1.00
Coating, Base/Catalyst/Solvent Mix	1	Metals	Chromium (Total)	A3-v0	9.94E-05	9.31E-05	1.21E-04	8.45E-05	lbs/gal paint	1	19.07	47.36	1.00
Coating, Base/Catalyst/Water Mix	1	Metals	Chromium (Hex)	B3-v1	2.59E-05	2.08E-05	5.00E-05	6.63E-06	lbs/gal paint	2	63.82	66.98	0.78
Coating, Base/Catalyst/Water Mix	1	Metals	Chromium (Total)	B3-v1	3.59E-05	3.04E-05	8.93E-05	9.38E-06	lbs/gal paint	2	84.27	88.43	0.81
Coating, Base/Catalyst/Water Mix	2	Metals	Chromium (Hex)	C3-v0	1.81E-04	1.73E-04	2.62E-04	1.07E-04	lbs/gal paint	1	42.89	106.54	1.00
Coating, Base/Catalyst/Water Mix	2	Metals	Chromium (Total)	C3-v0	2.16E-04	2.34E-04	2.35E-04	1.78E-04	lbs/gal paint	1	15.16	37.65	1.00
Coating, Base/Catalyst/Water Mix	3	Metals	Chromium (Hex)	A3-v0	9.44E-04	9.05E-04	1.05E-03	8.75E-04	lbs/gal paint	1	10.07	25.01	1.00
Coating, Base/Catalyst/Water Mix	3	Metals	Chromium (Total)	A3-v0	8.48E-04	8.06E-04	9.71E-04	7.66E-04	lbs/gal paint	1	12.80	31.79	1.00
Coating, Green PE	1	Metals	Chromium (Hex)	E3-v0	1.75E-04	1.48E-04	3.04E-04	7.20E-05	lbs/gal paint	1	67.70	168.17	1.00
Coating, Green PE	1	Metals	Chromium (Total)	E3-v0	3.33E-04	3.81E-04	4.06E-04	2.13E-04	lbs/gal paint	1	31.53	78.31	1.00
Coating, Green PE	2	Metals	Chromium (Hex)	E3-v0	3.10E-05	2.57E-05	5.77E-05	1.47E-05	lbs/gal paint	2	65.32	103.95	1.00
Coating, Green PE	2	Metals	Chromium (Total)	E3-v0	1.19E-04	1.15E-04	1.85E-04	6.19E-05	lbs/gal paint	2	45.10	71.77	0.68
Coating, Green PE	3	Metals	Chromium (Hex)	E3-v0	4.31E-06	4.31E-06	5.04E-06	3.58E-06	lbs/gal paint	1	23.93	215.04	1.00
Coating, Green PE	3	Metals	Chromium (Total)	E3-v0	4.15E-05	4.15E-05	4.73E-05	3.57E-05	lbs/gal paint	1	19.81	177.96	1.00
Coating, Green PE	4	Metals	Chromium (Hex)	E3-v0	3.99E-05	3.65E-05	5.11E-05	3.21E-05	lbs/gal paint	1	24.98	62.05	1.00
Coating, Green PE	4	Metals	Chromium (Total)	E3-v0	1.28E-04	1.30E-04	1.32E-04	1.20E-04	lbs/gal paint	1	4.81	11.95	1.00
Coating, Green Primer	1	Metals	Chromium (Hex)	E3-v0	1.28E-03	1.54E-03	1.83E-03	4.80E-04	lbs/gal paint	1	55.28	137.32	1.00
Coating, Green Primer	1	Metals	Chromium (Total)	E3-v0	1.53E-03	1.95E-03	1.95E-03	7.01E-04	lbs/gal paint	1	47.05	116.87	1.00
Coating, Green Primer	2	Metals	Chromium (Hex)	E3-v1	2.87E-04	2.24E-04	6.79E-04	2.06E-05	lbs/gal paint	2	111.31	177.12	1.00
Coating, Green Primer	2	Metals	Chromium (Total)	E3-v1	7.33E-04	5.82E-04	1.71E-03	5.92E-05	lbs/gal paint	2	106.55	169.54	0.95
Coating, Green Primer	3	Metals	Chromium (Hex)	E3-v0	1.42E-03	1.42E-03	1.71E-03	1.13E-03	lbs/gal paint	1	29.03	260.79	1.00
Coating, Green Primer	3	Metals	Chromium (Total)	E3-v0	1.93E-03	1.93E-03	2.47E-03	1.39E-03	lbs/gal paint	1	39.47	354.59	1.00
Coating, Green Primer	4	Metals	Chromium (Hex)	E3-v0	2.63E-04	2.63E-04	3.69E-04	1.57E-04	lbs/gal paint	1	57.22	514.08	1.00
Coating, Green Primer	4	Metals	Chromium (Total)	E3-v0	4.26E-04	4.26E-04	5.01E-04	3.50E-04	lbs/gal paint	1	25.10	225.52	1.00
Coating, Green Primer	5	Metals	Chromium (Hex)	E3-v0	8.32E-04	7.39E-04	1.32E-03	4.36E-04	lbs/gal paint	1	54.03	134.21	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Coating, Green Primer	5	Metals	Chromium (Total)	E3-v0	1.03E-03	1.02E-03	1.66E-03	4.12E-04	lbs/gal paint	1	60.64	150.63	1.00
Coating, Green Primer	6	Metals	Chromium (Hex)	E3-v1	2.26E-04	1.97E-04	5.18E-04	7.55E-05	lbs/gal paint	2	72.14	75.71	1.00
Coating, Green Primer	6	Metals	Chromium (Total)	E3-v0	2.60E-04	2.58E-04	4.39E-04	1.29E-04	lbs/gal paint	2	46.31	48.60	0.63
Coating, Powder	1	Metals	Chromium (Hex)	C3-v-	3.25E+01	3.25E+01	3.25E+01	3.25E+01	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	1	Metals	Chromium (Total)	C3-v-	7.50E+02	7.50E+02	7.50E+02	7.50E+02	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	2	Metals	Chromium (Total)	C3-v-	6.97E-01	6.97E-01	6.97E-01	6.97E-01	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	3	Metals	Chromium (Hex)	A3-v-	3.62E-01	3.62E-01	3.62E-01	3.62E-01	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	3	Metals	Chromium (Total)	A3-v-	3.72E-01	3.72E-01	3.72E-01	3.72E-01	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	4	Metals	Chromium (Hex)	A3-v-	6.01E-01	6.01E-01	6.01E-01	6.01E-01	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	4	Metals	Chromium (Total)	A3-v-	8.05E-01	8.05E-01	8.05E-01	8.05E-01	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	5	Metals	Nickel	C3-v-	3.21E+00	3.21E+00	3.21E+00	3.21E+00	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	6	Metals	Chromium (Hex)	C3-v-	5.15E-01	5.15E-01	5.15E-01	5.15E-01	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	6	Metals	Chromium (Total)	C3-v-	3.71E+00	3.71E+00	3.71E+00	3.71E+00	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	7	Metals	Chromium (Hex)	C3-v-	1.78E+01	1.78E+01	1.78E+01	1.78E+01	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	7	Metals	Chromium (Total)	C3-v-	2.84E+02	2.84E+02	2.84E+02	2.84E+02	lbs/ton powder	1	0.00	0.00	1.00
Coating, Powder	8	Metals	Chromium (Hex)	C3-v1	6.67E-02	9.07E-02	9.50E-02	1.44E-02	lbs/ton powder	1	67.96	168.83	1.00
Coating, Powder	8	Metals	Chromium (Total)	C3-v0	7.64E+00	5.89E+00	1.15E+01	5.50E+00	lbs/ton powder	1	44.21	109.82	1.00
Coating, Powder	8	Metals	Copper	A3-v0	1.82E+00	2.07E+00	2.28E+00	1.10E+00	lbs/ton powder	1	34.52	85.76	1.00
Coating, Powder	8	Metals	Nickel	A3-v0	3.08E+00	3.38E+00	3.64E+00	2.21E+00	lbs/ton powder	1	24.62	61.16	1.00
Coating, Yellow PE	1	Metals	Chromium (Hex)	E3-v0	5.12E-03	4.86E-03	7.04E-03	3.46E-03	lbs/gal paint	1	35.23	87.51	1.00
Coating, Yellow PE	1	Metals	Chromium (Total)	E3-v0	5.98E-03	6.75E-03	7.63E-03	3.56E-03	lbs/gal paint	1	35.74	88.79	1.00
Coke Calcining	1	Dioxin/Furan	Dioxin:4D 2378	A3-v0	1.14E-11	1.18E-11	1.32E-11	9.05E-12	lbs/ton coke	1	18.56	46.10	0.00
Coke Calcining	1	Dioxin/Furan	Dioxin:4D Other	A3-v1	1.44E-10	1.01E-10	2.99E-10	3.17E-11	lbs/ton coke	1	96.53	239.78	1.00
Coke Calcining	1	Dioxin/Furan	Dioxin:5D 12378	A3-v0	9.56E-12	9.20E-12	1.35E-11	6.01E-12	lbs/ton coke	1	39.05	97.00	0.00
Coke Calcining	1	Dioxin/Furan	Dioxin:5D Other	A3-v0	8.45E-11	8.83E-11	1.02E-10	6.34E-11	lbs/ton coke	1	23.10	57.39	0.40
Coke Calcining	1	Dioxin/Furan	Dioxin:6D 123478	A3-v0	9.93E-12	9.24E-12	1.57E-11	4.83E-12	lbs/ton coke	1	55.10	136.87	0.31
Coke Calcining	1	Dioxin/Furan	Dioxin:6D 123678	A3-v0	1.38E-11	1.27E-11	2.04E-11	8.30E-12	lbs/ton coke	1	44.48	110.49	0.69

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Coke Calcining	1	Dioxin/Furan	Dioxin:6D 123789	A3-v0	1.29E-11	1.45E-11	1.50E-11	9.20E-12	lbs/ton coke	1	24.83	61.68	0.39
Coke Calcining	1	Dioxin/Furan	Dioxin:6D Other	A3-v0	6.36E-11	6.71E-11	8.96E-11	3.39E-11	lbs/ton coke	1	44.09	109.53	0.65
Coke Calcining	1	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	1.38E-10	1.18E-10	2.18E-10	7.96E-11	lbs/ton coke	1	51.62	128.22	1.00
Coke Calcining	1	Dioxin/Furan	Dioxin:7D Other	A3-v0	1.32E-10	1.09E-10	1.90E-10	9.72E-11	lbs/ton coke	1	38.24	95.00	1.00
Coke Calcining	1	Dioxin/Furan	Dioxin:8D	A3-v0	1.77E-09	1.79E-09	2.76E-09	7.60E-10	lbs/ton coke	1	56.40	140.11	1.00
Coke Calcining	1	Dioxin/Furan	Furan:4F 2378	A3-v0	1.33E-11	1.19E-11	1.63E-11	1.18E-11	lbs/ton coke	1	19.13	47.53	0.70
Coke Calcining	1	Dioxin/Furan	Furan:4F Other	A3-v0	1.39E-10	1.10E-10	2.15E-10	9.21E-11	lbs/ton coke	1	47.70	118.50	1.00
Coke Calcining	1	Dioxin/Furan	Furan:5F 12378	A3-v0	1.36E-11	1.43E-11	1.50E-11	1.16E-11	lbs/ton coke	1	13.01	32.31	0.65
Coke Calcining	1	Dioxin/Furan	Furan:5F 23478	A3-v0	1.25E-11	1.38E-11	1.46E-11	9.10E-12	lbs/ton coke	1	23.87	59.28	0.63
Coke Calcining	1	Dioxin/Furan	Furan:5F Other	A3-v0	1.20E-10	9.47E-11	1.79E-10	8.70E-11	lbs/ton coke	1	42.57	105.75	0.74
Coke Calcining	1	Dioxin/Furan	Furan:6F 123478	A3-v0	2.44E-11	2.49E-11	2.71E-11	2.12E-11	lbs/ton coke	1	12.27	30.48	1.00
Coke Calcining	1	Dioxin/Furan	Furan:6F 123678	A3-v0	2.21E-11	2.19E-11	3.13E-11	1.31E-11	lbs/ton coke	1	41.02	101.91	1.00
Coke Calcining	1	Dioxin/Furan	Furan:6F 123789	A3-v0	9.19E-12	8.96E-12	1.20E-11	6.64E-12	lbs/ton coke	1	29.03	72.11	0.67
Coke Calcining	1	Dioxin/Furan	Furan:6F 234678	A3-v0	2.01E-11	2.04E-11	2.04E-11	1.96E-11	lbs/ton coke	1	2.55	6.33	1.00
Coke Calcining	1	Dioxin/Furan	Furan:6F Other	A3-v0	1.52E-10	1.31E-10	2.36E-10	9.04E-11	lbs/ton coke	1	49.18	122.18	1.00
Coke Calcining	1	Dioxin/Furan	Furan:7F 1234678	A3-v0	1.50E-10	1.42E-10	1.76E-10	1.32E-10	lbs/ton coke	1	15.51	38.53	1.00
Coke Calcining	1	Dioxin/Furan	Furan:7F 1234789	A3-v0	2.56E-11	2.56E-11	2.99E-11	2.12E-11	lbs/ton coke	1	17.09	42.44	0.72
Coke Calcining	1	Dioxin/Furan	Furan:7F Other	A3-v0	5.16E-11	5.16E-11	5.16E-11	5.16E-11	lbs/ton coke	1	0.00	0.00	0.50
Coke Calcining	1	Dioxin/Furan	Furan:8F	A3-v1	1.46E-10	1.36E-10	2.86E-10	1.61E-11	lbs/ton coke	1	92.60	230.03	1.00
Coke Calcining	1	Metals	Antimony	C3-v0	4.61E-05	4.64E-05	4.79E-05	4.41E-05	lbs/ton coke	1	4.04	10.04	0.34
Coke Calcining	1	Metals	Arsenic	C3-v0	4.66E-06	4.64E-06	4.92E-06	4.41E-06	lbs/ton coke	1	5.42	13.47	0.00
Coke Calcining	1	Metals	Barium	C3-v0	1.95E-05	1.99E-05	2.46E-05	1.39E-05	lbs/ton coke	1	27.51	68.35	1.00
Coke Calcining	1	Metals	Beryllium	C3-v0	1.93E-06	1.72E-06	2.43E-06	1.63E-06	lbs/ton coke	1	22.77	56.56	0.42
Coke Calcining	1	Metals	Cadmium	C3-v0	9.32E-06	9.27E-06	9.84E-06	8.84E-06	lbs/ton coke	1	5.34	13.27	0.00
Coke Calcining	1	Metals	Chromium (Hex)	C3-v0	6.31E-07	6.30E-07	7.17E-07	5.45E-07	lbs/ton coke	1	13.63	33.85	1.00
Coke Calcining	1	Metals	Chromium (Total)	C3-v0	2.05E-05	2.04E-05	2.09E-05	2.01E-05	lbs/ton coke	1	1.82	4.52	1.00
Coke Calcining	1	Metals	Copper	C3-v0	9.32E-06	9.27E-06	9.84E-06	8.84E-06	lbs/ton coke	1	5.34	13.27	0.00
Coke Calcining	1	Metals	Lead	C3-v0	6.20E-05	4.92E-05	9.27E-05	4.41E-05	lbs/ton coke	1	43.08	107.02	0.50

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Coke Calcining	1	Metals	Manganese	C3-v0	4.56E-05	4.41E-05	7.63E-05	1.63E-05	lbs/ton coke	1	65.87	163.64	0.88
Coke Calcining	1	Metals	Mercury	C3-v1	4.63E-05	1.63E-05	1.12E-04	1.08E-05	lbs/ton coke	1	122.58	304.51	1.00
Coke Calcining	1	Metals	Nickel	C3-v0	9.06E-05	4.92E-05	1.76E-04	4.64E-05	lbs/ton coke	1	81.90	203.45	0.65
Coke Calcining	1	Metals	Phosphorus	C3-v0	4.66E-04	4.64E-04	4.92E-04	4.41E-04	lbs/ton coke	1	5.42	13.47	0.00
Coke Calcining	1	Metals	Selenium	C3-v0	4.66E-06	4.64E-06	4.92E-06	4.41E-06	lbs/ton coke	1	5.42	13.47	0.00
Coke Calcining	1	Metals	Silver	C3-v0	1.63E-05	1.63E-05	1.72E-05	1.54E-05	lbs/ton coke	1	5.45	13.55	0.00
Coke Calcining	1	Metals	Thallium	C3-v0	6.99E-05	6.96E-05	7.38E-05	6.64E-05	lbs/ton coke	1	5.31	13.19	0.00
Coke Calcining	1	Metals	Zinc	C3-v0	1.17E-04	1.04E-04	1.63E-04	8.37E-05	lbs/ton coke	1	35.15	87.33	1.00
Coke Calcining	1	PAH	Acenaphthene	A3-v0	1.46E-08	1.38E-08	1.64E-08	1.37E-08	lbs/ton coke	1	10.68	26.52	1.00
Coke Calcining	1	PAH	Acenaphthylene	A3-v0	1.83E-08	1.69E-08	2.81E-08	9.87E-09	lbs/ton coke	1	50.39	125.18	1.00
Coke Calcining	1	PAH	Anthracene	A3-v0	1.82E-08	1.84E-08	1.97E-08	1.64E-08	lbs/ton coke	1	9.02	22.40	1.00
Coke Calcining	1	PAH	Benzo(a)anthracene	A3-v0	8.71E-09	8.25E-09	1.02E-08	7.67E-09	lbs/ton coke	1	15.15	37.64	0.39
Coke Calcining	1	PAH	Benzo(a)pyrene	A3-v0	8.05E-09	8.22E-09	8.25E-09	7.67E-09	lbs/ton coke	1	4.04	10.04	0.00
Coke Calcining	1	PAH	Benzo(b)fluoranthene	A3-v0	8.05E-09	8.22E-09	8.25E-09	7.67E-09	lbs/ton coke	1	4.04	10.04	0.00
Coke Calcining	1	PAH	Benzo(g,h,i)perylene	A3-v0	8.05E-09	8.22E-09	8.25E-09	7.67E-09	lbs/ton coke	1	4.04	10.04	0.00
Coke Calcining	1	PAH	Benzo(k)fluoranthene	A3-v0	8.05E-09	8.22E-09	8.25E-09	7.67E-09	lbs/ton coke	1	4.04	10.04	0.00
Coke Calcining	1	PAH	Chrysene	A3-v0	1.28E-08	1.18E-08	1.84E-08	8.25E-09	lbs/ton coke	1	40.02	99.41	0.79
Coke Calcining	1	PAH	Dibenz(a,h)anthracene	A3-v0	8.05E-09	8.22E-09	8.25E-09	7.67E-09	lbs/ton coke	1	4.04	10.04	0.00
Coke Calcining	1	PAH	Fluoranthene	A3-v0	3.58E-08	3.30E-08	4.30E-08	3.13E-08	lbs/ton coke	1	17.64	43.82	1.00
Coke Calcining	1	PAH	Fluorene	A3-v0	5.64E-08	5.21E-08	6.61E-08	5.10E-08	lbs/ton coke	1	14.90	37.02	1.00
Coke Calcining	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	8.05E-09	8.22E-09	8.25E-09	7.67E-09	lbs/ton coke	1	4.04	10.04	0.00
Coke Calcining	1	PAH	Naphthalene	A3-v0	2.41E-06	2.46E-06	3.14E-06	1.64E-06	lbs/ton coke	1	31.02	77.06	1.00
Coke Calcining	1	PAH	Phenanthrene	A3-v0	1.88E-07	1.81E-07	2.15E-07	1.69E-07	lbs/ton coke	1	12.67	31.48	1.00
Coke Calcining	1	PAH	Pyrene	A3-v0	2.67E-08	2.64E-08	3.23E-08	2.15E-08	lbs/ton coke	1	20.27	50.36	1.00
Coke Calcining	1	VOC	Acetaldehyde	A3-v0	1.02E-03	1.16E-03	1.22E-03	6.77E-04	lbs/ton coke	1	29.23	72.60	1.00
Coke Calcining	1	VOC	Acrolein	A3-v0	3.36E-04	3.41E-04	3.60E-04	3.08E-04	lbs/ton coke	1	7.79	19.36	0.00
Coke Calcining	1	VOC	Benzene	C3-v0	3.24E-04	4.06E-04	4.50E-04	1.15E-04	lbs/ton coke	1	56.20	139.61	1.00
Coke Calcining	1	VOC	Formaldehyde	A3-v0	3.36E-04	3.41E-04	3.60E-04	3.08E-04	lbs/ton coke	1	7.79	19.36	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Coke Calcining	1	VOC	Toluene	C3-v0	5.34E-05	4.46E-05	7.17E-05	4.39E-05	lbs/ton coke	1	29.73	73.85	1.00
Coke Calcining	1	VOC	Xylene (m,p)	C3-v0	3.09E-05	3.44E-05	3.79E-05	2.04E-05	lbs/ton coke	1	29.89	74.24	0.22
Coke Calcining	1	VOC	Xylene (o)	C3-v0	4.49E-05	4.34E-05	4.79E-05	4.34E-05	lbs/ton coke	1	5.72	14.20	0.00
Crematory	1	Dioxin/Furan	Dioxin:4D 2378	A3-v0	9.51E-11	9.51E-11	1.50E-10	3.98E-11	lbs/body	1	82.27	739.14	1.00
Crematory	1	Dioxin/Furan	Dioxin:4D Total	A3-v0	1.99E-09	1.99E-09	3.02E-09	9.55E-10	lbs/body	1	73.54	660.69	1.00
Crematory	1	Dioxin/Furan	Dioxin:5D 12378	A3-v0	3.18E-10	3.18E-10	4.42E-10	1.94E-10	lbs/body	1	55.11	495.15	1.00
Crematory	1	Dioxin/Furan	Dioxin:5D Total	A3-v1	2.93E-09	2.93E-09	5.11E-09	7.36E-10	lbs/body	1	105.84	950.95	1.00
Crematory	1	Dioxin/Furan	Dioxin:6D 123478	A3-v1	3.73E-10	3.73E-10	6.26E-10	1.19E-10	lbs/body	1	96.13	863.71	1.00
Crematory	1	Dioxin/Furan	Dioxin:6D 123678	A3-v1	5.55E-10	5.55E-10	9.51E-10	1.59E-10	lbs/body	1	100.88	906.40	1.00
Crematory	1	Dioxin/Furan	Dioxin:6D 123789	A3-v1	7.13E-10	7.13E-10	1.28E-09	1.49E-10	lbs/body	1	111.82	1004.66	1.00
Crematory	1	Dioxin/Furan	Dioxin:6D Total	A3-v0	7.74E-09	7.74E-09	1.28E-08	2.69E-09	lbs/body	1	92.24	828.76	1.00
Crematory	1	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	5.41E-09	5.41E-09	8.37E-09	2.45E-09	lbs/body	1	77.42	695.61	1.00
Crematory	1	Dioxin/Furan	Dioxin:7D Total	A3-v0	1.16E-08	1.16E-08	1.74E-08	5.75E-09	lbs/body	1	71.28	640.39	1.00
Crematory	1	Dioxin/Furan	Dioxin:8D	A3-v0	8.60E-09	8.60E-09	1.02E-08	6.97E-09	lbs/body	1	26.75	240.35	1.00
Crematory	1	Dioxin/Furan	Furan:4F 2378	A3-v1	4.75E-10	4.75E-10	8.01E-10	1.49E-10	lbs/body	1	97.00	871.51	1.00
Crematory	1	Dioxin/Furan	Furan:4F Total	A3-v1	1.47E-08	1.47E-08	2.56E-08	3.79E-09	lbs/body	1	104.87	942.19	1.00
Crematory	1	Dioxin/Furan	Furan:5F 12378	A3-v0	4.12E-10	4.12E-10	6.74E-10	1.49E-10	lbs/body	1	90.20	810.37	0.82
Crematory	1	Dioxin/Furan	Furan:5F 23478	A3-v1	9.63E-10	9.63E-10	1.74E-09	1.84E-10	lbs/body	1	114.40	1027.87	0.90
Crematory	1	Dioxin/Furan	Furan:5F Total	A3-v1	8.31E-09	8.31E-09	1.63E-08	3.53E-10	lbs/body	1	135.41	1216.63	1.00
Crematory	1	Dioxin/Furan	Furan:6F 123478	A3-v1	1.16E-09	1.16E-09	1.97E-09	3.43E-10	lbs/body	1	99.56	894.48	1.00
Crematory	1	Dioxin/Furan	Furan:6F 123678	A3-v1	1.15E-09	1.15E-09	1.97E-09	3.18E-10	lbs/body	1	102.17	917.96	1.00
Crematory	1	Dioxin/Furan	Furan:6F 123789	A3-v1	2.20E-09	2.20E-09	3.72E-09	6.86E-10	lbs/body	1	97.34	874.59	1.00
Crematory	1	Dioxin/Furan	Furan:6F 234678	A3-v1	4.38E-10	4.38E-10	7.42E-10	1.34E-10	lbs/body	1	98.11	881.45	1.00
Crematory	1	Dioxin/Furan	Furan:6F Total	A3-v1	1.46E-08	1.46E-08	2.56E-08	3.67E-09	lbs/body	1	105.91	951.60	1.00
Crematory	1	Dioxin/Furan	Furan:7F 1234678	A3-v1	6.79E-09	6.79E-09	1.15E-08	2.08E-09	lbs/body	1	98.14	881.77	0.85
Crematory	1	Dioxin/Furan	Furan:7F 1234789	A3-v1	4.16E-10	4.16E-10	7.76E-10	5.47E-11	lbs/body	1	122.81	1103.37	0.93
Crematory	1	Dioxin/Furan	Furan:7F Total	A3-v1	8.01E-09	8.01E-09	1.39E-08	2.08E-09	lbs/body	1	104.72	940.90	0.87
Crematory	1	Dioxin/Furan	Furan:8F	A3-v0	2.13E-09	2.13E-09	2.67E-09	1.59E-09	lbs/body	1	35.90	322.51	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Crematory	1	Halogens	HCl	C3-v0	6.75E-02	6.75E-02	9.47E-02	4.02E-02	lbs/body	1	57.06	512.62	1.00
Crematory	1	Halogens	HF	C3-v1	7.57E-04	7.57E-04	1.41E-03	1.01E-04	lbs/body	1	122.53	1100.90	1.00
Crematory	1	Metals	Arsenic	C3-v0	4.46E-05	4.46E-05	6.16E-05	2.76E-05	lbs/body	1	53.90	484.27	0.69
Crematory	1	Metals	Barium	C3-v0	2.19E-05	2.19E-05	2.60E-05	1.79E-05	lbs/body	1	25.86	232.35	1.00
Crematory	1	Metals	Beryllium	C3-v1	1.54E-06	1.54E-06	2.60E-06	4.85E-07	lbs/body	1	96.92	870.80	1.00
Crematory	1	Metals	Cadmium	C3-v0	9.95E-06	9.95E-06	1.02E-05	9.73E-06	lbs/body	1	3.15	28.29	1.00
Crematory	1	Metals	Chromium (Hex)	C3-v0	1.60E-05	1.60E-05	1.96E-05	1.24E-05	lbs/body	1	31.58	283.72	1.00
Crematory	1	Metals	Chromium (Total)	C3-v0	3.34E-05	3.42E-05	4.27E-05	2.27E-05	lbs/body	2	25.09	39.93	0.44
Crematory	1	Metals	Cobalt	C3-v1	7.76E-06	7.76E-06	1.36E-05	1.95E-06	lbs/body	1	105.93	951.78	0.13
Crematory	1	Metals	Copper	C3-v0	2.89E-05	2.89E-05	2.92E-05	2.86E-05	lbs/body	1	1.49	13.38	1.00
Crematory	1	Metals	Lead	C3-v0	6.27E-05	6.27E-05	6.29E-05	6.25E-05	lbs/body	1	0.48	4.34	1.00
Crematory	1	Metals	Mercury	C3-v0	4.88E-03	4.88E-03	4.99E-03	4.77E-03	lbs/body	1	3.17	28.50	1.00
Crematory	1	Metals	Nickel	C3-v0	3.63E-05	3.63E-05	3.83E-05	3.44E-05	lbs/body	1	7.54	67.78	1.00
Crematory	1	Metals	Selenium	C3-v0	4.35E-05	4.35E-05	4.48E-05	4.22E-05	lbs/body	1	4.25	38.19	0.00
Crematory	1	Metals	Silver	C3-v0	7.86E-06	7.86E-06	1.23E-05	3.39E-06	lbs/body	1	80.39	722.28	1.00
Crematory	1	Metals	Zinc	C3-v0	3.47E-04	3.47E-04	4.06E-04	2.88E-04	lbs/body	1	23.95	215.22	1.00
Crematory	1	PAH	Acenaphthene	C3-v0	1.14E-07	1.14E-07	1.16E-07	1.12E-07	lbs/body	1	2.26	20.33	1.00
Crematory	1	PAH	Acenaphthylene	C3-v0	7.85E-08	7.85E-08	8.38E-08	7.31E-08	lbs/body	1	9.63	86.51	0.53
Crematory	1	PAH	Anthracene	C3-v0	2.09E-07	2.09E-07	2.50E-07	1.68E-07	lbs/body	1	27.85	250.26	1.00
Crematory	1	PAH	Benzo(a)anthracene	C3-v0	1.02E-08	1.02E-08	1.30E-08	7.38E-09	lbs/body	1	39.19	352.12	0.00
Crematory	1	PAH	Benzo(a)pyrene	C3-v0	4.13E-08	4.13E-08	6.60E-08	1.65E-08	lbs/body	1	84.85	762.37	0.80
Crematory	1	PAH	Benzo(b)fluoranthene	C3-v0	1.52E-08	1.52E-08	1.84E-08	1.20E-08	lbs/body	1	30.15	270.89	0.00
Crematory	1	PAH	Benzo(g,h,i)perylene	C3-v0	5.14E-08	5.14E-08	6.18E-08	4.11E-08	lbs/body	1	28.49	255.96	0.60
Crematory	1	PAH	Benzo(k)fluoranthene	C3-v0	1.30E-08	1.30E-08	1.46E-08	1.14E-08	lbs/body	1	17.20	154.51	0.00
Crematory	1	PAH	Chrysene	C3-v0	2.52E-08	2.52E-08	3.03E-08	2.01E-08	lbs/body	1	28.67	257.58	0.00
Crematory	1	PAH	Dibenz(a,h)anthracene	C3-v0	1.18E-08	1.18E-08	1.36E-08	9.99E-09	lbs/body	1	21.51	193.22	0.00
Crematory	1	PAH	Fluoranthene	C3-v0	1.17E-07	1.17E-07	1.52E-07	8.21E-08	lbs/body	1	42.07	378.00	1.00
Crematory	1	PAH	Fluorene	C3-v0	3.29E-07	3.29E-07	3.39E-07	3.19E-07	lbs/body	1	4.43	39.82	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Crematory	1	PAH	Indeno(1,2,3-cd)pyrene	C3-v0	1.26E-08	1.26E-08	1.46E-08	1.07E-08	lbs/body	1	21.69	194.86	0.00
Crematory	1	PAH	Naphthalene	C3-v0	6.58E-05	6.58E-05	6.78E-05	6.37E-05	lbs/body	1	4.43	39.78	1.00
Crematory	1	PAH	Phenanthrene	C3-v0	1.34E-06	1.34E-06	1.78E-06	9.05E-07	lbs/body	1	46.25	415.55	1.00
Crematory	1	PAH	Pyrene	C3-v0	1.29E-07	1.29E-07	1.64E-07	9.39E-08	lbs/body	1	38.55	346.36	1.00
Crematory	1	VOC	Acetaldehyde	C3-v1	8.11E-05	8.11E-05	1.39E-04	2.28E-05	lbs/body	1	101.69	913.65	1.00
Crematory	1	VOC	Formaldehyde	C3-v0	2.16E-05	2.16E-05	2.99E-05	1.32E-05	lbs/body	1	54.86	492.90	1.00
Dehydrator, Sludge	1	Metals	Barium	D3-v-	3.29E-07	3.29E-07	3.29E-07	3.29E-07	lbs/ton	1	0.00	0.00	1.00
Dehydrator, Sludge	1	Metals	Cadmium	D3-v-	1.64E-07	1.64E-07	1.64E-07	1.64E-07	lbs/ton	1	0.00	0.00	1.00
Dehydrator, Sludge	1	Metals	Chromium (Total)	D3-v-	6.33E-06	6.33E-06	6.33E-06	6.33E-06	lbs/ton	1	0.00	0.00	1.00
Dehydrator, Sludge	1	Metals	Cobalt	D3-v-	1.23E-06	1.23E-06	1.23E-06	1.23E-06	lbs/ton	1	0.00	0.00	1.00
Dehydrator, Sludge	1	Metals	Copper	D3-v-	4.02E-06	4.02E-06	4.02E-06	4.02E-06	lbs/ton	1	0.00	0.00	1.00
Dehydrator, Sludge	1	Metals	Lead	D3-v-	4.93E-07	4.93E-07	4.93E-07	4.93E-07	lbs/ton	1	0.00	0.00	1.00
Dehydrator, Sludge	1	Metals	Mercury	D3-v-	1.64E-08	1.64E-08	1.64E-08	1.64E-08	lbs/ton	1	0.00	0.00	1.00
Dehydrator, Sludge	1	Metals	Nickel	D3-v-	1.31E-04	1.31E-04	1.31E-04	1.31E-04	lbs/ton	1	0.00	0.00	1.00
Dehydrator, Sludge	1	Metals	Silver	D3-v-	1.64E-07	1.64E-07	1.64E-07	1.64E-07	lbs/ton	1	0.00	0.00	1.00
Dehydrator, Sludge	1	Metals	Zinc	D3-v-	3.37E-06	3.37E-06	3.37E-06	3.37E-06	lbs/ton	1	0.00	0.00	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Dioxin:4D 2378	A3-v0	1.69E-09	1.50E-09	2.31E-09	1.27E-09	lbs/ton production	1	32.30	80.25	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Dioxin:5D 12378	A3-v0	7.28E-09	5.62E-09	1.07E-08	5.50E-09	lbs/ton production	1	40.84	101.46	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Dioxin:6D 123478	A3-v0	5.64E-09	4.37E-09	9.03E-09	3.52E-09	lbs/ton production	1	52.57	130.58	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Dioxin:6D 123678	A3-v0	8.24E-09	5.83E-09	1.43E-08	4.62E-09	lbs/ton production	1	63.83	158.56	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Dioxin:6D 123789	A3-v0	4.04E-09	3.74E-09	5.04E-09	3.33E-09	lbs/ton production	1	22.08	54.84	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	3.86E-08	2.71E-08	6.93E-08	1.96E-08	lbs/ton production	1	69.34	172.26	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Dioxin:8D	A3-v1	4.85E-08	3.33E-08	9.37E-08	1.85E-08	lbs/ton production	1	82.17	204.11	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Furan:4F 2378	A3-v0	9.68E-09	1.21E-08	1.32E-08	3.74E-09	lbs/ton production	1	53.49	132.88	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Furan:5F 12378	A3-v0	2.36E-08	1.77E-08	3.57E-08	1.74E-08	lbs/ton production	1	44.43	110.38	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Furan:5F 23478	A3-v0	4.66E-08	3.54E-08	7.14E-08	3.30E-08	lbs/ton production	1	46.15	114.64	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Furan:6F 123478	A3-v0	3.53E-08	2.50E-08	5.88E-08	2.20E-08	lbs/ton production	1	57.95	143.95	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Furan:6F 123678	A3-v0	3.39E-08	2.50E-08	5.46E-08	2.20E-08	lbs/ton production	1	53.21	132.17	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Delaquering, Aluminum	1	Dioxin/Furan	Furan:6F 123789	A3-v0	2.69E-09	3.12E-09	3.99E-09	9.67E-10	lbs/ton production	1	57.77	143.50	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Furan:6F 234678	A3-v0	3.19E-08	2.71E-08	5.25E-08	1.63E-08	lbs/ton production	1	58.20	144.56	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Furan:7F 1234678	A3-v0	8.52E-08	6.67E-08	1.41E-07	4.84E-08	lbs/ton production	1	57.33	142.42	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Furan:7F 1234789	A3-v0	1.24E-08	1.17E-08	1.60E-08	9.67E-09	lbs/ton production	1	25.82	64.13	1.00
Delaquering, Aluminum	1	Dioxin/Furan	Furan:8F	A3-v0	5.91E-08	4.79E-08	1.03E-07	2.64E-08	lbs/ton production	1	66.74	165.79	1.00
Delaquering, Aluminum	1	Halogens	HCl	A3-v0	3.21E+00	2.83E+00	4.30E+00	2.49E+00	lbs/ton production	1	30.03	74.60	1.00
Delaquering, Aluminum	1	Metals	Antimony	A3-v0	9.22E-05	9.57E-05	9.61E-05	8.49E-05	lbs/ton production	1	6.86	17.05	1.00
Delaquering, Aluminum	1	Metals	Arsenic	C3-v0	2.13E-05	1.97E-05	2.73E-05	1.67E-05	lbs/ton production	1	25.64	63.70	1.00
Delaquering, Aluminum	1	Metals	Beryllium	A3-v0	1.38E-06	1.38E-06	1.38E-06	1.38E-06	lbs/ton production	1	0.00	0.00	0.00
Delaquering, Aluminum	1	Metals	Cadmium	A3-v0	2.29E-05	2.74E-05	3.25E-05	8.68E-06	lbs/ton production	1	54.88	136.33	1.00
Delaquering, Aluminum	1	Metals	Chromium (Hex)	C3-v0	1.02E-05	1.01E-05	1.05E-05	9.95E-06	lbs/ton production	1	2.97	7.37	0.00
Delaquering, Aluminum	1	Metals	Chromium (Total)	C3-v0	3.77E-05	3.80E-05	4.04E-05	3.47E-05	lbs/ton production	1	7.53	18.70	1.00
Delaquering, Aluminum	1	Metals	Copper	A3-v0	7.93E-04	7.83E-04	8.90E-04	7.05E-04	lbs/ton production	1	11.74	29.15	1.00
Delaquering, Aluminum	1	Metals	Lead	A3-v0	2.15E-02	2.12E-02	2.25E-02	2.10E-02	lbs/ton production	1	3.93	9.77	1.00
Delaquering, Aluminum	1	Metals	Manganese	A3-v0	5.11E-04	4.60E-04	6.44E-04	4.28E-04	lbs/ton production	1	22.83	56.71	1.00
Delaquering, Aluminum	1	Metals	Nickel	A3-v0	1.24E-04	1.09E-04	2.12E-04	4.98E-05	lbs/ton production	1	66.39	164.91	1.00
Delaquering, Aluminum	1	Metals	Selenium	A3-v0	2.85E-06	2.76E-06	3.03E-06	2.76E-06	lbs/ton production	1	5.59	13.88	0.00
Delaquering, Aluminum	1	Metals	Zinc	A3-v0	2.30E-03	2.25E-03	2.52E-03	2.13E-03	lbs/ton production	1	8.61	21.39	1.00
Delaquering, Aluminum	1	VOC	Acetaldehyde	A3-v1	2.14E-05	2.96E-05	2.97E-05	4.80E-06	lbs/ton production	1	67.13	166.77	0.93
Delaquering, Aluminum	1	VOC	Formaldehyde	A3-v1	2.75E-04	1.59E-04	5.66E-04	1.01E-04	lbs/ton production	1	92.00	228.53	1.00
Drum Burning Furnace	1	Halogens	HCl	C3-v0	9.69E-04	6.94E-04	1.74E-03	4.70E-04	lbs/drum	1	70.23	174.46	1.00
Drum Burning Furnace	1	Metals	Arsenic	C3-v0	9.01E-07	9.59E-07	1.09E-06	6.58E-07	lbs/drum	1	24.38	60.55	0.40
Drum Burning Furnace	1	Metals	Beryllium	C3-v0	9.01E-07	9.59E-07	1.09E-06	6.58E-07	lbs/drum	1	24.38	60.55	0.00
Drum Burning Furnace	1	Metals	Cadmium	C3-v0	1.29E-05	1.18E-05	1.94E-05	7.53E-06	lbs/drum	1	46.41	115.29	1.00
Drum Burning Furnace	1	Metals	Chromium (Hex)	C3-v0	7.11E-06	7.18E-06	7.40E-06	6.75E-06	lbs/drum	1	4.65	11.55	1.00
Drum Burning Furnace	1	Metals	Chromium (Total)	C3-v0	1.04E-05	1.09E-05	1.12E-05	9.06E-06	lbs/drum	1	11.05	27.45	1.00
Drum Burning Furnace	1	Metals	Copper	C3-v0	2.54E-05	2.24E-05	3.41E-05	1.99E-05	lbs/drum	1	29.89	74.24	1.00
Drum Burning Furnace	1	Metals	Lead	C3-v0	3.75E-04	3.98E-04	4.98E-04	2.30E-04	lbs/drum	1	36.01	89.45	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Drum Burning Furnace	1	Metals	Manganese	C3-v0	9.14E-06	7.53E-06	1.40E-05	5.92E-06	lbs/drum	1	46.51	115.53	1.00
Drum Burning Furnace	1	Metals	Mercury	C3-v0	6.67E-07	7.53E-07	8.53E-07	3.95E-07	lbs/drum	1	36.12	89.73	0.20
Drum Burning Furnace	1	Metals	Nickel	C3-v0	7.11E-06	7.53E-06	8.53E-06	5.26E-06	lbs/drum	1	23.54	58.47	0.00
Drum Burning Furnace	1	Metals	Selenium	C3-v0	9.01E-07	9.59E-07	1.09E-06	6.58E-07	lbs/drum	1	24.38	60.55	1.00
Drum Burning Furnace	1	Metals	Zinc	C3-v1	4.37E-04	1.38E-04	1.06E-03	1.10E-04	lbs/drum	1	124.10	308.29	1.00
Drum Burning Furnace	1	PAH	Acenaphthene	A3-v2	1.76E-07	9.98E-09	5.11E-07	5.54E-09	lbs/drum	1	165.56	411.27	1.00
Drum Burning Furnace	1	PAH	Acenaphthylene	A3-v1	4.43E-08	1.08E-08	1.15E-07	6.92E-09	lbs/drum	1	138.58	344.25	1.00
Drum Burning Furnace	1	PAH	Anthracene	A3-v1	1.64E-07	4.24E-08	4.31E-07	1.94E-08	lbs/drum	1	140.82	349.82	1.00
Drum Burning Furnace	1	PAH	Benzo(a)anthracene	A3-v0	2.34E-08	2.63E-08	3.24E-08	1.14E-08	lbs/drum	1	46.16	114.66	1.00
Drum Burning Furnace	1	PAH	Benzo(a)pyrene	A3-v0	3.76E-09	2.77E-09	5.82E-09	2.69E-09	lbs/drum	1	47.48	117.94	0.00
Drum Burning Furnace	1	PAH	Benzo(b)fluoranthene	A3-v0	8.09E-09	7.61E-09	1.33E-08	3.36E-09	lbs/drum	1	61.63	153.09	1.00
Drum Burning Furnace	1	PAH	Benzo(g,h,i)perylene	A3-v0	3.76E-09	2.77E-09	5.82E-09	2.69E-09	lbs/drum	1	47.48	117.94	0.00
Drum Burning Furnace	1	PAH	Benzo(k)fluoranthene	A3-v0	3.76E-09	2.77E-09	5.82E-09	2.69E-09	lbs/drum	1	47.48	117.94	0.00
Drum Burning Furnace	1	PAH	Chrysene	A3-v0	4.45E-09	4.15E-09	5.82E-09	3.36E-09	lbs/drum	1	28.22	70.10	1.00
Drum Burning Furnace	1	PAH	Dibenz(a,h)anthracene	A3-v0	3.76E-09	2.77E-09	5.82E-09	2.69E-09	lbs/drum	1	47.48	117.94	0.00
Drum Burning Furnace	1	PAH	Fluoranthene	A3-v0	3.60E-08	4.08E-08	4.57E-08	2.15E-08	lbs/drum	1	35.46	88.08	1.00
Drum Burning Furnace	1	PAH	Fluorene	A3-v1	3.92E-07	5.74E-08	1.09E-06	2.77E-08	lbs/drum	1	154.47	383.74	1.00
Drum Burning Furnace	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	3.76E-09	2.77E-09	5.82E-09	2.69E-09	lbs/drum	1	47.48	117.94	0.00
Drum Burning Furnace	1	PAH	Naphthalene	A3-v1	1.06E-06	5.77E-07	2.30E-06	3.14E-07	lbs/drum	1	101.40	251.90	1.00
Drum Burning Furnace	1	PAH	Phenanthrene	A3-v0	3.00E-07	1.89E-07	5.34E-07	1.78E-07	lbs/drum	1	67.44	167.54	1.00
Drum Burning Furnace	1	PAH	Pyrene	A3-v0	4.39E-08	3.99E-08	5.72E-08	3.46E-08	lbs/drum	1	26.89	66.81	1.00
Drum Burning Furnace	1	VOC	Benzene	C3-v0	2.22E-05	2.35E-05	2.35E-05	1.95E-05	lbs/drum	1	10.31	25.62	0.00
Drum Burning Furnace	1	VOC	Formaldehyde	C3-v0	6.96E-05	7.20E-05	7.72E-05	5.96E-05	lbs/drum	1	12.95	32.17	1.00
Drum Burning Furnace	1	VOC	Vinyl Chloride	A3-v0	1.87E-05	1.98E-05	1.98E-05	1.64E-05	lbs/drum	1	10.31	25.62	0.00
Dryer, Fiberboard	1	VOC	Formaldehyde	A3-v0	4.66E-02	4.96E-02	5.19E-02	3.84E-02	lbs/ton production	1	15.48	38.46	1.00
Dryer, Pot ash	1	Metals	Arsenic	A3-v1	4.86E-03	1.69E-03	1.19E-02	1.02E-03	lbs/ton ore	1	125.06	310.68	1.00
Dryer, Pot ash	1	Metals	Beryllium	A3-v0	1.04E-05	1.32E-05	1.35E-05	4.56E-06	lbs/ton ore	1	48.81	121.25	0.42
Dryer, Pot ash	1	Metals	Lead	A3-v0	5.20E-05	6.62E-05	6.76E-05	2.21E-05	lbs/ton ore	1	49.86	123.85	0.42

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Dryer, Pot ash	1	SVOC	1,2-Dichlorobenzene	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	SVOC	Ethylbenzene	A3-v0	8.79E-06	9.09E-06	9.09E-06	8.18E-06	lbs/ton ore	1	5.97	14.84	0.00
Dryer, Pot ash	1	VOC	1,1,1-Trichloroethane	A3-v2	6.18E-05	1.82E-06	1.82E-04	1.82E-06	lbs/ton ore	1	168.11	417.61	0.98
Dryer, Pot ash	1	VOC	1,1,2,2-Tetrachloroethane	A3-v0	3.64E-06	3.64E-06	3.64E-06	3.64E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	1,1,2-Trichloroethane	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	1,1-Dichloroethane	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	1,1-Dichloroethene	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	1,2-Dichloroethane	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	1,2-Dichloroethene	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	1,2-Dichloropropane	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Acetone	A3-v2	3.38E+00	1.09E-01	1.00E+01	4.36E-02	lbs/ton ore	1	169.30	420.56	1.00
Dryer, Pot ash	1	VOC	Benzene	A3-v1	1.63E-04	1.78E-04	2.73E-04	3.82E-05	lbs/ton ore	1	72.38	179.81	1.00
Dryer, Pot ash	1	VOC	Bromodichloromethane	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Bromoform	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Bromomethane	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Carbon disulfide	A3-v1	2.24E-05	1.82E-06	6.36E-05	1.82E-06	lbs/ton ore	1	159.16	395.38	0.00
Dryer, Pot ash	1	VOC	Carbon Tetrachloride	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Chlorobenzene	A3-v0	2.73E-06	2.73E-06	3.64E-06	1.82E-06	lbs/ton ore	1	47.14	423.54	1.00
Dryer, Pot ash	1	VOC	Chloroethane	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Chloroform	A3-v0	8.79E-06	9.09E-06	9.09E-06	8.18E-06	lbs/ton ore	1	5.97	14.84	0.00
Dryer, Pot ash	1	VOC	Chloromethane	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Dibromochloromethane	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Dichloromethane	A3-v1	1.19E-02	4.55E-03	2.73E-02	4.00E-03	lbs/ton ore	1	111.24	276.35	1.00
Dryer, Pot ash	1	VOC	Formaldehyde	C3-v0	6.42E-03	6.73E-03	8.91E-03	3.64E-03	lbs/ton ore	1	41.24	102.45	1.00
Dryer, Pot ash	1	VOC	Methyl Ethyl Ketone	A3-v1	1.81E-04	7.27E-05	4.18E-04	5.09E-05	lbs/ton ore	1	114.08	283.39	1.00
Dryer, Pot ash	1	VOC	Styrene	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Tetrachloroethene	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Toluene	A3-v1	8.48E-05	1.04E-04	1.33E-04	1.82E-05	lbs/ton ore	1	70.17	174.31	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Dryer, Pot ash	1	VOC	Trichloroethene	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Trichlorofluoromethane	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Vinyl Chloride	A3-v0	1.82E-06	1.82E-06	1.82E-06	1.82E-06	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	1	VOC	Xylene (Total)	A3-v2	8.73E-05	3.64E-06	2.55E-04	3.64E-06	lbs/ton ore	1	165.99	412.34	0.97
Dryer, Pot ash	2	Metals	Arsenic	A3-v0	2.40E-03	2.33E-03	3.00E-03	1.86E-03	lbs/ton ore	1	23.95	59.50	1.00
Dryer, Pot ash	2	Metals	Beryllium	C3-v0	2.87E-04	3.43E-04	3.71E-04	1.47E-04	lbs/ton ore	1	42.63	105.91	0.00
Dryer, Pot ash	2	Metals	Lead	A3-v0	1.43E-03	1.71E-03	1.86E-03	7.33E-04	lbs/ton ore	1	42.63	105.91	0.00
Dryer, Pot ash	2	SVOC	1,2-Dichlorobenzene	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	SVOC	Ethylbenzene	C3-v1	3.58E-04	4.43E-05	1.00E-03	3.00E-05	lbs/ton ore	1	155.25	385.67	0.93
Dryer, Pot ash	2	VOC	1,1,1-Trichloroethane	C3-v1	6.76E-03	4.43E-03	1.39E-02	2.00E-03	lbs/ton ore	1	92.63	230.10	1.00
Dryer, Pot ash	2	VOC	1,1,2,2-Tetrachloroethane	C3-v1	6.30E-04	7.29E-04	1.09E-03	7.43E-05	lbs/ton ore	1	81.48	202.41	0.96
Dryer, Pot ash	2	VOC	1,1,2-Trichloroethane	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	1,1-Dichloroethane	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	1,1-Dichloroethene	C3-v0	6.43E-05	4.43E-05	1.19E-04	3.00E-05	lbs/ton ore	1	73.97	183.75	0.61
Dryer, Pot ash	2	VOC	1,2-Dichloroethane	C3-v0	7.24E-05	4.43E-05	1.43E-04	3.00E-05	lbs/ton ore	1	84.90	210.90	0.66
Dryer, Pot ash	2	VOC	1,2-Dichloroethene	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	1,2-Dichloropropane	C3-v1	1.19E-04	1.43E-04	2.00E-04	1.43E-05	lbs/ton ore	1	79.90	198.48	0.56
Dryer, Pot ash	2	VOC	Acetone	C3-v-	4.43E-03	4.43E-03	4.43E-03	4.43E-03	lbs/ton ore	1	0.00	0.00	0.00
Dryer, Pot ash	2	VOC	Benzene	C3-v0	1.33E-02	1.57E-02	1.86E-02	5.57E-03	lbs/ton ore	1	51.42	127.74	1.00
Dryer, Pot ash	2	VOC	Bromodichloromethane	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	Bromoform	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	Bromomethane	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	Carbon disulfide	C3-v-	8.00E-04	8.00E-04	8.00E-04	8.00E-04	lbs/ton ore	1	0.00	0.00	1.00
Dryer, Pot ash	2	VOC	Carbon Tetrachloride	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	Chlorobenzene	C3-v0	7.43E-04	7.86E-04	9.43E-04	5.00E-04	lbs/ton ore	1	30.22	75.08	1.00
Dryer, Pot ash	2	VOC	Chloroethane	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	Chloroform	C3-v1	1.10E-04	3.00E-05	2.71E-04	3.00E-05	lbs/ton ore	1	126.17	313.43	0.82
Dryer, Pot ash	2	VOC	Chloromethane	C3-v1	3.34E-04	4.71E-04	4.86E-04	4.43E-05	lbs/ton ore	1	75.14	186.67	0.96

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Dryer, Pot ash	2	VOC	Dibromochloromethane	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	Dichloromethane	C3-v1	1.38E-01	9.71E-02	3.00E-01	1.57E-02	lbs/ton ore	1	106.38	264.27	1.00
Dryer, Pot ash	2	VOC	Formaldehyde	A3-v0	2.29E-01	2.14E-01	2.71E-01	2.00E-01	lbs/ton ore	1	16.54	41.08	1.00
Dryer, Pot ash	2	VOC	Methyl Ethyl Ketone	C3-v2	1.49E-02	4.43E-03	4.00E-02	1.86E-04	lbs/ton ore	1	147.03	365.24	0.10
Dryer, Pot ash	2	VOC	Styrene	C3-v1	7.36E-04	7.36E-04	1.43E-03	4.43E-05	lbs/ton ore	1	132.92	1194.21	0.97
Dryer, Pot ash	2	VOC	Tetrachloroethene	C3-v0	3.52E-05	4.43E-05	4.43E-05	1.71E-05	lbs/ton ore	1	44.47	110.47	0.00
Dryer, Pot ash	2	VOC	Toluene	C3-v0	1.34E-02	1.34E-02	1.43E-02	1.26E-02	lbs/ton ore	1	9.03	81.10	1.00
Dryer, Pot ash	2	VOC	Trichloroethene	C3-v1	1.83E-04	1.19E-04	4.00E-04	3.00E-05	lbs/ton ore	1	105.65	262.46	0.73
Dryer, Pot ash	2	VOC	Trichlorofluoromethane	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	Vinyl Chloride	C3-v0	3.95E-05	4.43E-05	4.43E-05	3.00E-05	lbs/ton ore	1	20.87	51.84	0.00
Dryer, Pot ash	2	VOC	Xylene (Total)	C3-v0	3.00E-03	3.29E-03	3.43E-03	2.29E-03	lbs/ton ore	1	20.76	51.56	1.00
Dryer, Sand/Gravel	1	VOC	Benzene	A3-v0	7.72E-04	5.59E-04	1.29E-03	4.72E-04	lbs/ton production	1	57.87	143.75	1.00
Dryer, Sand/Gravel	2	PAH	Acenaphthene	C3-v0	3.58E-06	3.58E-06	3.58E-06	3.58E-06	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Acenaphthylene	C3-v0	3.58E-06	3.58E-06	3.58E-06	3.58E-06	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Anthracene	C3-v0	3.58E-06	3.58E-06	3.58E-06	3.58E-06	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Benzo(a)anthracene	C3-v0	3.58E-06	3.58E-06	3.58E-06	3.58E-06	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Benzo(a)pyrene	C3-v0	1.79E-05	1.79E-05	1.79E-05	1.79E-05	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Benzo(b)fluoranthene	C3-v0	1.79E-05	1.79E-05	1.79E-05	1.79E-05	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Benzo(g,h,i)perylene	C3-v0	1.79E-05	1.79E-05	1.79E-05	1.79E-05	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Benzo(k)fluoranthene	C3-v0	1.79E-05	1.79E-05	1.79E-05	1.79E-05	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Chrysene	C3-v0	3.58E-06	3.58E-06	3.58E-06	3.58E-06	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Dibenz(a,h)anthracene	C3-v0	1.79E-05	1.79E-05	1.79E-05	1.79E-05	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Fluoranthene	C3-v0	6.63E-06	8.03E-06	8.27E-06	3.58E-06	lbs/ton production	1	39.91	99.14	0.82
Dryer, Sand/Gravel	2	PAH	Fluorene	C3-v0	3.58E-06	3.58E-06	3.58E-06	3.58E-06	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Indeno(1,2,3-cd)pyrene	C3-v0	1.79E-05	1.79E-05	1.79E-05	1.79E-05	lbs/ton production	1	0.00	0.00	0.00
Dryer, Sand/Gravel	2	PAH	Naphthalene	C3-v0	5.90E-05	5.07E-05	8.66E-05	3.96E-05	lbs/ton production	1	41.62	103.38	1.00
Dryer, Sand/Gravel	2	PAH	Phenanthrene	C3-v1	1.55E-05	2.08E-05	2.23E-05	3.58E-06	lbs/ton production	1	66.85	166.06	0.92
Dryer, Sand/Gravel	2	PAH	Pyrene	C3-v0	3.58E-06	3.58E-06	3.58E-06	3.58E-06	lbs/ton production	1	0.00	0.00	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Dryer, Sand/Gravel	2	VOC	Formaldehyde	A3-v2	4.26E-03	3.31E-03	9.31E-03	1.69E-04	lbs/ton production	1	108.97	270.70	1.00
FBC, Biomass	1	Dioxin/Furan	Dioxin:4D 2378	A3-v0	2.89E-11	3.18E-11	3.74E-11	1.75E-11	lbs/ton	1	35.59	88.41	0.00
FBC, Biomass	1	Dioxin/Furan	Dioxin:5D 12378	A3-v0	3.28E-11	3.22E-11	4.45E-11	2.17E-11	lbs/ton	1	34.79	86.43	0.00
FBC, Biomass	1	Dioxin/Furan	Dioxin:6D 123478	A3-v0	4.36E-11	4.49E-11	4.76E-11	3.82E-11	lbs/ton	1	11.17	27.75	0.29
FBC, Biomass	1	Dioxin/Furan	Dioxin:6D 123678	A3-v0	6.38E-11	5.10E-11	9.53E-11	4.49E-11	lbs/ton	1	43.16	107.21	0.50
FBC, Biomass	1	Dioxin/Furan	Dioxin:6D 123789	A3-v0	4.77E-11	4.42E-11	5.72E-11	4.18E-11	lbs/ton	1	17.34	43.08	0.40
FBC, Biomass	1	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	6.90E-10	6.10E-10	9.19E-10	5.40E-10	lbs/ton	1	29.24	72.64	1.00
FBC, Biomass	1	Dioxin/Furan	Dioxin:8D	A3-v0	6.69E-09	6.74E-09	9.19E-09	4.13E-09	lbs/ton	1	37.79	93.87	1.00
FBC, Biomass	1	Dioxin/Furan	Furan:4F 2378	A3-v0	1.29E-10	1.09E-10	1.88E-10	8.85E-11	lbs/ton	1	40.85	101.48	1.00
FBC, Biomass	1	Dioxin/Furan	Furan:5F 12378	A3-v0	6.27E-11	5.10E-11	8.89E-11	4.81E-11	lbs/ton	1	36.33	90.26	1.00
FBC, Biomass	1	Dioxin/Furan	Furan:5F 23478	A3-v0	1.03E-10	1.02E-10	1.31E-10	7.71E-11	lbs/ton	1	26.05	64.70	1.00
FBC, Biomass	1	Dioxin/Furan	Furan:6F 123478	A3-v0	7.59E-11	6.67E-11	1.19E-10	4.18E-11	lbs/ton	1	52.08	129.37	1.00
FBC, Biomass	1	Dioxin/Furan	Furan:6F 123678	A3-v0	1.12E-10	9.21E-11	1.70E-10	7.39E-11	lbs/ton	1	45.61	113.30	1.00
FBC, Biomass	1	Dioxin/Furan	Furan:6F 123789	A3-v1	2.77E-11	1.53E-11	5.79E-11	9.96E-12	lbs/ton	1	94.79	235.47	0.70
FBC, Biomass	1	Dioxin/Furan	Furan:6F 234678	A3-v0	3.02E-10	1.51E-10	6.13E-10	1.43E-10	lbs/ton	1	89.04	221.19	1.00
FBC, Biomass	1	Dioxin/Furan	Furan:7F 1234678	A3-v1	1.37E-09	6.74E-10	3.02E-09	4.13E-10	lbs/ton	1	104.90	260.59	1.00
FBC, Biomass	1	Dioxin/Furan	Furan:7F 1234789	A3-v1	8.97E-11	4.81E-11	2.01E-10	2.03E-11	lbs/ton	1	108.25	268.90	0.92
FBC, Biomass	1	Dioxin/Furan	Furan:8F	A3-v1	1.61E-09	7.06E-10	3.74E-09	3.82E-10	lbs/ton	1	115.15	286.05	1.00
FBC, Biomass	1	PAH	Acenaphthene	A3-v0	7.04E-07	5.15E-07	1.11E-06	4.86E-07	lbs/ton	1	50.11	124.47	1.00
FBC, Biomass	1	PAH	Acenaphthylene	A3-v0	2.67E-05	2.27E-05	4.13E-05	1.62E-05	lbs/ton	1	48.84	121.33	1.00
FBC, Biomass	1	PAH	Anthracene	A3-v0	5.68E-07	6.18E-07	7.31E-07	3.56E-07	lbs/ton	1	33.86	84.12	1.00
FBC, Biomass	1	PAH	Benzo(a)anthracene	A3-v0	2.05E-08	2.09E-08	2.45E-08	1.62E-08	lbs/ton	1	20.34	50.52	0.74
FBC, Biomass	1	PAH	Benzo(a)pyrene	A3-v0	1.64E-08	1.62E-08	1.71E-08	1.59E-08	lbs/ton	1	3.80	9.43	0.00
FBC, Biomass	1	PAH	Benzo(b)fluoranthene	A3-v0	1.25E-07	1.16E-07	1.44E-07	1.14E-07	lbs/ton	1	13.28	32.99	1.00
FBC, Biomass	1	PAH	Benzo(e)pyrene	A3-v0	1.20E-07	1.13E-07	1.41E-07	1.05E-07	lbs/ton	1	15.62	38.80	1.00
FBC, Biomass	1	PAH	Benzo(g,h,i)perylene	A3-v0	5.94E-08	4.86E-08	9.94E-08	3.02E-08	lbs/ton	1	60.34	149.90	1.00
FBC, Biomass	1	PAH	Benzo(k)fluoranthene	A3-v0	3.00E-08	2.53E-08	4.11E-08	2.35E-08	lbs/ton	1	32.29	80.21	1.00
FBC, Biomass	1	PAH	Chrysene	A3-v0	2.35E-07	2.42E-07	2.67E-07	1.97E-07	lbs/ton	1	14.96	37.16	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Biomass	1	PAH	Dibenz(a,h)anthracene	A3-v0	1.64E-08	1.62E-08	1.71E-08	1.59E-08	lbs/ton	1	3.80	9.43	0.00
FBC, Biomass	1	PAH	Fluoranthene	A3-v0	6.73E-06	5.50E-06	9.53E-06	5.15E-06	lbs/ton	1	36.21	89.95	1.00
FBC, Biomass	1	PAH	Fluorene	A3-v0	1.32E-06	1.13E-06	2.07E-06	7.76E-07	lbs/ton	1	50.33	125.03	1.00
FBC, Biomass	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	2.47E-08	2.04E-08	3.77E-08	1.59E-08	lbs/ton	1	46.52	115.55	0.78
FBC, Biomass	1	PAH	Naphthalene	A3-v0	2.99E-04	2.47E-04	4.13E-04	2.36E-04	lbs/ton	1	33.26	82.63	1.00
FBC, Biomass	1	PAH	Phenanthrene	A3-v0	1.92E-05	1.68E-05	2.54E-05	1.55E-05	lbs/ton	1	27.96	69.46	1.00
FBC, Biomass	1	PAH	Pyrene	A3-v0	4.78E-06	4.11E-06	6.67E-06	3.56E-06	lbs/ton	1	34.77	86.36	1.00
FBC, Biomass	1	PCB	PCB:Decachlorinated biphenyls	A3-v0	6.47E-10	7.39E-10	7.95E-10	4.09E-10	lbs/ton	1	32.23	80.07	0.00
FBC, Biomass	1	PCB	PCB:Dichlorinated biphenyls	A3-v0	1.53E-08	1.61E-08	1.97E-08	1.02E-08	lbs/ton	1	31.46	78.15	0.00
FBC, Biomass	1	PCB	PCB:Heptachlorinated biphenyls	A3-v0	7.62E-10	7.83E-10	8.35E-10	6.67E-10	lbs/ton	1	11.26	27.97	0.00
FBC, Biomass	1	PCB	PCB:Hexachlorinated biphenyls	A3-v0	1.32E-09	9.85E-10	2.04E-09	9.31E-10	lbs/ton	1	47.49	117.98	0.00
FBC, Biomass	1	PCB	PCB:Monochlorinated biphenyls	A3-v0	2.43E-08	2.39E-08	2.76E-08	2.15E-08	lbs/ton	1	12.62	31.35	1.00
FBC, Biomass	1	PCB	PCB:Nonachlorinated biphenyls	A3-v0	8.25E-10	7.83E-10	1.12E-09	5.72E-10	lbs/ton	1	33.52	83.27	0.00
FBC, Biomass	1	PCB	PCB:Octachlorinated biphenyls	A3-v0	1.16E-09	1.03E-09	1.46E-09	9.85E-10	lbs/ton	1	22.88	56.84	0.00
FBC, Biomass	1	PCB	PCB:Pentachlorinated biphenyls	A3-v0	4.61E-09	3.82E-09	6.80E-09	3.22E-09	lbs/ton	1	41.66	103.50	1.00
FBC, Biomass	1	PCB	PCB:Tetrachlorinated biphenyls	A3-v0	1.69E-08	1.61E-08	2.17E-08	1.28E-08	lbs/ton	1	26.92	66.88	1.00
FBC, Biomass	1	PCB	PCB:Trichlorinated biphenyls	A3-v0	1.53E-08	1.47E-08	1.97E-08	1.16E-08	lbs/ton	1	26.68	66.29	1.00
FBC, Biomass	1	VOC	Formaldehyde	A3-v0	3.66E-04	4.34E-04	4.54E-04	2.10E-04	lbs/ton	1	36.96	91.82	1.00
FBC, Biomass	2	Dioxin/Furan	Dioxin:4D 2378	A3-v0	4.46E-10	4.33E-10	4.92E-10	4.12E-10	lbs/ton	1	9.35	23.23	0.00
FBC, Biomass	2	Dioxin/Furan	Dioxin:4D Total	A3-v1	2.16E-07	1.06E-07	4.85E-07	5.86E-08	lbs/ton	1	108.01	268.32	1.00
FBC, Biomass	2	Dioxin/Furan	Dioxin:5D 12378	A3-v0	1.10E-09	1.11E-09	1.26E-09	9.38E-10	lbs/ton	1	14.62	36.31	0.28
FBC, Biomass	2	Dioxin/Furan	Dioxin:5D Total	A3-v1	5.85E-08	2.58E-08	1.26E-07	2.39E-08	lbs/ton	1	99.75	247.80	1.00
FBC, Biomass	2	Dioxin/Furan	Dioxin:6D 123478	A3-v0	1.22E-09	1.02E-09	1.76E-09	8.89E-10	lbs/ton	1	38.42	95.45	0.00
FBC, Biomass	2	Dioxin/Furan	Dioxin:6D 123678	A3-v0	1.27E-09	1.16E-09	1.76E-09	8.89E-10	lbs/ton	1	35.01	86.97	0.00
FBC, Biomass	2	Dioxin/Furan	Dioxin:6D 123789	A3-v0	1.15E-09	9.21E-10	1.76E-09	7.77E-10	lbs/ton	1	45.98	114.23	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Biomass	2	Dioxin/Furan	Dioxin:6D Total	A3-v0	2.54E-08	2.05E-08	4.07E-08	1.50E-08	lbs/ton	1	53.27	132.34	1.00
FBC, Biomass	2	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	8.41E-09	8.24E-09	1.06E-08	6.45E-09	lbs/ton	1	24.46	60.77	1.00
FBC, Biomass	2	Dioxin/Furan	Dioxin:7D Total	A3-v0	1.81E-08	1.79E-08	2.28E-08	1.35E-08	lbs/ton	1	25.73	63.91	1.00
FBC, Biomass	2	Dioxin/Furan	Dioxin:8D	A3-v0	5.81E-08	5.81E-08	7.22E-08	4.40E-08	lbs/ton	1	24.30	60.37	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:4F 2378	A3-v0	3.20E-09	1.76E-09	6.30E-09	1.55E-09	lbs/ton	1	83.71	207.95	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:4F Total	A3-v1	3.09E-07	1.44E-07	6.78E-07	1.05E-07	lbs/ton	1	103.45	256.99	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:5F 12378	A3-v0	3.09E-09	2.81E-09	4.51E-09	1.94E-09	lbs/ton	1	42.20	104.84	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:5F 23478	A3-v0	4.48E-09	3.16E-09	7.27E-09	3.00E-09	lbs/ton	1	54.01	134.17	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:5F Total	A3-v0	8.58E-08	3.99E-08	1.79E-07	3.83E-08	lbs/ton	1	94.32	234.31	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:6F 123478	A3-v0	1.53E-09	1.47E-09	2.18E-09	9.44E-10	lbs/ton	1	40.57	100.78	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:6F 123678	A3-v0	1.56E-09	1.47E-09	1.99E-09	1.22E-09	lbs/ton	1	25.08	62.31	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:6F 123789	A3-v0	6.51E-10	3.54E-10	1.28E-09	3.22E-10	lbs/ton	1	83.32	206.98	0.00
FBC, Biomass	2	Dioxin/Furan	Furan:6F 234678	A3-v0	1.75E-09	1.76E-09	1.89E-09	1.61E-09	lbs/ton	1	7.97	19.79	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:6F Total	A3-v0	2.85E-08	2.87E-08	4.12E-08	1.55E-08	lbs/ton	1	45.00	111.80	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:7F 1234678	A3-v0	7.32E-09	7.62E-09	8.24E-09	6.11E-09	lbs/ton	1	14.95	37.15	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:7F 1234789	A3-v1	7.43E-10	5.45E-10	1.41E-09	2.78E-10	lbs/ton	1	79.33	197.07	0.63
FBC, Biomass	2	Dioxin/Furan	Furan:7F Total	A3-v0	9.79E-09	1.11E-08	1.21E-08	6.11E-09	lbs/ton	1	32.92	81.78	1.00
FBC, Biomass	2	Dioxin/Furan	Furan:8F	A3-v0	5.24E-09	3.52E-09	9.21E-09	3.00E-09	lbs/ton	1	65.72	163.26	0.81
FBC, Biomass	2	Halogens	HCl	A3-v0	7.21E-02	5.30E-02	1.13E-01	5.03E-02	lbs/ton	1	49.22	122.26	1.00
FBC, Biomass	2	Metals	Arsenic	C3-v1	1.57E-05	2.23E-06	4.29E-05	2.05E-06	lbs/ton	1	149.64	371.74	0.00
FBC, Biomass	2	Metals	Beryllium	C3-v0	2.16E-06	2.21E-06	2.23E-06	2.05E-06	lbs/ton	1	4.73	11.75	0.00
FBC, Biomass	2	Metals	Cadmium	C3-v1	8.87E-05	2.21E-05	2.23E-04	2.05E-05	lbs/ton	1	131.64	327.02	0.00
FBC, Biomass	2	Metals	Chromium (Hex)	C3-v0	4.28E-05	4.18E-05	4.94E-05	3.72E-05	lbs/ton	1	14.39	35.74	0.00
FBC, Biomass	2	Metals	Chromium (Total)	C3-v0	2.88E-06	2.97E-06	4.18E-06	1.49E-06	lbs/ton	1	46.87	116.43	0.52
FBC, Biomass	2	Metals	Copper	C3-v0	6.15E-05	5.15E-05	8.57E-05	4.72E-05	lbs/ton	1	34.28	85.16	1.00
FBC, Biomass	2	Metals	Lead	C3-v0	6.54E-05	6.71E-05	6.77E-05	6.15E-05	lbs/ton	1	5.20	12.91	0.00
FBC, Biomass	2	Metals	Manganese	C3-v1	2.86E-04	6.71E-05	7.29E-04	6.15E-05	lbs/ton	1	134.26	333.53	1.00
FBC, Biomass	2	Metals	Mercury	C3-v0	1.92E-04	1.89E-04	3.07E-04	8.00E-05	lbs/ton	1	59.11	146.84	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Biomass	2	Metals	Nickel	C3-v0	4.50E-05	4.48E-05	4.60E-05	4.41E-05	lbs/ton	1	2.15	5.35	0.34
FBC, Biomass	2	Metals	Selenium	C3-v0	1.90E-05	2.23E-05	2.45E-05	1.02E-05	lbs/ton	1	40.52	100.65	0.00
FBC, Biomass	2	Metals	Zinc	C3-v0	3.36E-04	2.12E-04	5.98E-04	2.00E-04	lbs/ton	1	67.27	167.10	1.00
FBC, Biomass	2	PAH	Acenaphthene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Acenaphthylene	A3-v1	9.47E-05	6.49E-05	2.04E-04	1.54E-05	lbs/ton	1	103.12	256.17	0.95
FBC, Biomass	2	PAH	Anthracene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Benzo(a)anthracene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Benzo(a)pyrene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Benzo(b)fluoranthene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Benzo(g,h,i)perylene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Benzo(k)fluoranthene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Chrysene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Dibenz(a,h)anthracene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Fluoranthene	A3-v0	4.79E-05	4.48E-05	6.07E-05	3.80E-05	lbs/ton	1	24.34	60.46	1.00
FBC, Biomass	2	PAH	Fluorene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	1.20E-05	1.08E-05	1.54E-05	9.74E-06	lbs/ton	1	25.11	62.38	0.00
FBC, Biomass	2	PAH	Naphthalene	A3-v0	7.17E-03	7.82E-03	7.95E-03	5.73E-03	lbs/ton	1	17.38	43.18	1.00
FBC, Biomass	2	PAH	Phenanthrene	A3-v0	1.13E-04	1.39E-04	1.53E-04	4.73E-05	lbs/ton	1	50.80	126.20	1.00
FBC, Biomass	2	PAH	Pyrene	A3-v0	4.93E-05	5.13E-05	6.36E-05	3.29E-05	lbs/ton	1	31.37	77.94	1.00
FBC, Biomass	2	VOC	Benzene	C3-v0	7.70E-04	7.49E-04	9.98E-04	5.62E-04	lbs/ton	1	28.47	70.74	0.76
FBC, Biomass	2	VOC	Formaldehyde	A3-v0	2.34E-02	2.21E-02	2.80E-02	2.03E-02	lbs/ton	1	17.17	42.64	1.00
FBC, Biomass	2	VOC	Vinyl Chloride	A3-v0	5.43E-04	4.73E-04	6.84E-04	4.73E-04	lbs/ton	1	22.35	55.52	0.00
FBC, Biomass	3	Dioxin/Furan	Dioxin:4D 2378	A3-v0	5.79E-11	5.31E-11	7.59E-11	4.48E-11	lbs/ton	1	27.82	69.12	0.00
FBC, Biomass	3	Dioxin/Furan	Dioxin:4D Total	A3-v0	3.56E-09	3.24E-09	5.19E-09	2.26E-09	lbs/ton	1	41.80	103.84	1.00
FBC, Biomass	3	Dioxin/Furan	Dioxin:5D 12378	A3-v0	8.69E-11	8.19E-11	1.24E-10	5.50E-11	lbs/ton	1	39.90	99.11	0.00
FBC, Biomass	3	Dioxin/Furan	Dioxin:5D Total	A3-v0	2.07E-09	2.29E-09	2.79E-09	1.11E-09	lbs/ton	1	41.90	104.08	1.00
FBC, Biomass	3	Dioxin/Furan	Dioxin:6D 123478	A3-v0	9.07E-11	9.57E-11	1.01E-10	7.50E-11	lbs/ton	1	15.23	37.85	0.00
FBC, Biomass	3	Dioxin/Furan	Dioxin:6D 123678	A3-v0	7.94E-11	7.50E-11	9.57E-11	6.75E-11	lbs/ton	1	18.41	45.73	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Biomass	3	Dioxin/Furan	Dioxin:6D 123789	A3-v0	7.19E-11	6.99E-11	8.77E-11	5.80E-11	lbs/ton	1	20.80	51.68	0.00
FBC, Biomass	3	Dioxin/Furan	Dioxin:6D Total	A3-v0	7.55E-10	8.74E-10	9.57E-10	4.34E-10	lbs/ton	1	37.23	92.49	1.00
FBC, Biomass	3	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	2.19E-10	1.32E-10	4.18E-10	1.06E-10	lbs/ton	1	79.10	196.49	1.00
FBC, Biomass	3	Dioxin/Furan	Dioxin:7D Total	A3-v0	2.87E-10	2.75E-10	4.79E-10	1.06E-10	lbs/ton	1	65.08	161.66	1.00
FBC, Biomass	3	Dioxin/Furan	Dioxin:8D	A3-v0	4.12E-10	3.37E-10	5.99E-10	3.00E-10	lbs/ton	1	39.46	98.03	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:4F 2378	A3-v0	2.00E-10	1.95E-10	2.79E-10	1.25E-10	lbs/ton	1	38.53	95.73	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:4F Total	A3-v0	6.56E-09	6.50E-09	8.58E-09	4.59E-09	lbs/ton	1	30.48	75.72	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:5F 12378	A3-v0	1.28E-10	1.58E-10	1.62E-10	6.52E-11	lbs/ton	1	42.69	106.06	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:5F 23478	A3-v0	1.63E-10	1.92E-10	1.98E-10	9.89E-11	lbs/ton	1	34.05	84.58	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:5F Total	A3-v0	1.76E-09	2.19E-09	2.22E-09	8.68E-10	lbs/ton	1	43.93	109.13	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:6F 123478	A3-v0	5.86E-11	5.99E-11	6.99E-11	4.59E-11	lbs/ton	1	20.65	51.29	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:6F 123678	A3-v0	4.98E-11	5.79E-11	6.25E-11	2.90E-11	lbs/ton	1	36.46	90.57	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:6F 123789	A3-v0	4.35E-11	4.42E-11	4.96E-11	3.66E-11	lbs/ton	1	14.95	37.15	0.00
FBC, Biomass	3	Dioxin/Furan	Furan:6F 234678	A3-v0	4.17E-11	3.99E-11	5.39E-11	3.13E-11	lbs/ton	1	27.35	67.95	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:6F Total	A3-v0	1.78E-10	2.29E-10	2.39E-10	6.50E-11	lbs/ton	1	55.02	136.68	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:7F 1234678	A3-v0	1.21E-10	1.17E-10	1.43E-10	1.01E-10	lbs/ton	1	17.48	43.43	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:7F 1234789	A3-v0	4.72E-11	4.39E-11	5.50E-11	4.26E-11	lbs/ton	1	14.49	36.00	0.00
FBC, Biomass	3	Dioxin/Furan	Furan:7F Total	A3-v0	1.33E-10	1.38E-10	1.60E-10	1.01E-10	lbs/ton	1	22.29	55.36	1.00
FBC, Biomass	3	Dioxin/Furan	Furan:8F	A3-v0	1.66E-10	1.62E-10	1.98E-10	1.37E-10	lbs/ton	1	18.30	45.46	1.00
FBC, Biomass	3	Halogens	HCl	C3-v0	1.14E-04	9.99E-05	1.84E-04	5.84E-05	lbs/ton	1	56.25	139.72	1.00
FBC, Biomass	3	Metals	Arsenic	B3-v0	1.74E-05	1.72E-05	1.87E-05	1.63E-05	lbs/ton	1	6.92	17.19	1.00
FBC, Biomass	3	Metals	Beryllium	B3-v0	3.65E-07	3.69E-07	4.72E-07	2.53E-07	lbs/ton	1	30.05	74.65	0.77
FBC, Biomass	3	Metals	Cadmium	B3-v1	5.35E-06	3.42E-06	1.13E-05	1.34E-06	lbs/ton	1	98.10	243.68	1.00
FBC, Biomass	3	Metals	Chromium (Hex)	C3-v0	9.58E-07	9.68E-07	9.99E-07	9.07E-07	lbs/ton	1	4.88	12.12	0.00
FBC, Biomass	3	Metals	Chromium (Total)	C3-v0	4.57E-05	4.64E-05	4.73E-05	4.34E-05	lbs/ton	1	4.47	11.11	1.00
FBC, Biomass	3	Metals	Copper	B3-v0	6.13E-05	5.40E-05	7.90E-05	5.09E-05	lbs/ton	1	25.07	62.29	1.00
FBC, Biomass	3	Metals	Lead	B3-v2	8.76E-05	1.28E-04	1.32E-04	2.44E-06	lbs/ton	1	84.23	209.25	1.00
FBC, Biomass	3	Metals	Manganese	B3-v2	7.65E-04	9.76E-04	1.31E-03	5.20E-06	lbs/ton	1	88.80	220.60	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Biomass	3	Metals	Mercury	B3-v0	9.41E-06	5.37E-06	1.83E-05	4.56E-06	lbs/ton	1	82.03	203.77	0.65
FBC, Biomass	3	Metals	Nickel	B3-v1	3.56E-05	3.17E-05	7.11E-05	4.03E-06	lbs/ton	1	94.69	235.24	1.00
FBC, Biomass	3	Metals	Selenium	B3-v1	9.78E-06	9.33E-06	1.76E-05	2.35E-06	lbs/ton	1	78.31	194.54	1.00
FBC, Biomass	3	Metals	Zinc	B3-v1	3.47E-04	4.51E-04	5.79E-04	1.25E-05	lbs/ton	1	85.49	212.38	1.00
FBC, Biomass	3	PAH	Acenaphthene	A3-v0	5.62E-07	5.74E-07	8.73E-07	2.39E-07	lbs/ton	1	56.40	140.11	1.00
FBC, Biomass	3	PAH	Acenaphthylene	A3-v1	5.14E-07	6.99E-07	7.31E-07	1.12E-07	lbs/ton	1	67.85	168.55	1.00
FBC, Biomass	3	PAH	Anthracene	A3-v0	6.80E-07	8.49E-07	8.73E-07	3.20E-07	lbs/ton	1	45.97	114.19	1.00
FBC, Biomass	3	PAH	Benzo(a)anthracene	A3-v0	1.21E-07	1.02E-07	1.62E-07	9.79E-08	lbs/ton	1	30.02	74.58	1.00
FBC, Biomass	3	PAH	Benzo(a)pyrene	A3-v0	3.70E-08	3.98E-08	4.99E-08	2.12E-08	lbs/ton	1	39.30	97.63	0.19
FBC, Biomass	3	PAH	Benzo(b)fluoranthene	A3-v0	3.48E-08	3.61E-08	4.24E-08	2.59E-08	lbs/ton	1	23.90	59.38	1.00
FBC, Biomass	3	PAH	Benzo(g,h,i)perylene	A3-v0	4.41E-08	4.25E-08	4.99E-08	3.98E-08	lbs/ton	1	11.84	29.41	0.00
FBC, Biomass	3	PAH	Benzo(k)fluoranthene	A3-v0	4.41E-08	4.25E-08	4.99E-08	3.98E-08	lbs/ton	1	11.84	29.41	0.00
FBC, Biomass	3	PAH	Chrysene	A3-v0	4.41E-08	4.25E-08	4.99E-08	3.98E-08	lbs/ton	1	11.84	29.41	0.00
FBC, Biomass	3	PAH	Dibenz(a,h)anthracene	A3-v0	4.41E-08	4.25E-08	4.99E-08	3.98E-08	lbs/ton	1	11.84	29.41	0.00
FBC, Biomass	3	PAH	Fluoranthene	A3-v0	3.15E-06	2.76E-06	4.50E-06	2.19E-06	lbs/ton	1	38.13	94.73	1.00
FBC, Biomass	3	PAH	Fluorene	A3-v1	1.39E-06	1.18E-06	2.75E-06	2.34E-07	lbs/ton	1	91.61	227.58	1.00
FBC, Biomass	3	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	4.41E-08	4.25E-08	4.99E-08	3.98E-08	lbs/ton	1	11.84	29.41	0.00
FBC, Biomass	3	PAH	Naphthalene	A3-v1	2.17E-05	1.07E-05	5.10E-05	3.40E-06	lbs/ton	1	118.04	293.23	1.00
FBC, Biomass	3	PAH	Phenanthrene	A3-v0	1.62E-05	2.00E-05	2.02E-05	8.38E-06	lbs/ton	1	41.84	103.94	1.00
FBC, Biomass	3	PAH	Pyrene	A3-v0	1.24E-06	1.19E-06	1.67E-06	8.58E-07	lbs/ton	1	33.02	82.03	1.00
FBC, Biomass	3	PCB	PCB:Decachlorinated biphenyls	A3-v0	4.17E-09	3.13E-09	6.39E-09	3.00E-09	lbs/ton	1	45.99	114.25	1.00
FBC, Biomass	3	PCB	PCB:Dichlorinated biphenyls	A3-v0	1.30E-06	9.19E-07	2.08E-06	9.00E-07	lbs/ton	1	52.04	129.28	1.00
FBC, Biomass	3	PCB	PCB:Heptachlorinated biphenyls	A3-v0	2.95E-08	2.90E-08	3.75E-08	2.19E-08	lbs/ton	1	26.48	65.79	1.00
FBC, Biomass	3	PCB	PCB:Hexachlorinated biphenyls	A3-v0	6.11E-08	5.55E-08	8.00E-08	4.79E-08	lbs/ton	1	27.42	68.13	1.00
FBC, Biomass	3	PCB	PCB:Monochlorinated biphenyls	A3-v0	1.40E-07	1.26E-07	2.00E-07	9.49E-08	lbs/ton	1	38.50	95.63	1.00
FBC, Biomass	3	PCB	PCB:Nonachlorinated biphenyls	A3-v0	4.05E-09	4.59E-09	5.19E-09	2.38E-09	lbs/ton	1	36.54	90.78	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Biomass	3	PCB	PCB:Octachlorinated biphenyls	A3-v0	6.41E-08	6.49E-08	6.75E-08	5.99E-08	lbs/ton	1	6.02	14.95	0.00
FBC, Biomass	3	PCB	PCB:Pentachlorinated biphenyls	A3-v0	1.16E-07	1.04E-07	1.57E-07	8.58E-08	lbs/ton	1	32.20	79.99	1.00
FBC, Biomass	3	PCB	PCB:Tetrachlorinated biphenyls	A3-v0	3.32E-07	2.79E-07	4.50E-07	2.65E-07	lbs/ton	1	30.98	76.95	1.00
FBC, Biomass	3	PCB	PCB:Trichlorinated biphenyls	A3-v0	4.12E-06	3.24E-06	6.52E-06	2.59E-06	lbs/ton	1	51.10	126.93	1.00
FBC, Biomass	3	VOC	Acetaldehyde	C3-v0	1.87E-04	1.83E-04	2.07E-04	1.70E-04	lbs/ton	1	10.02	24.88	1.00
FBC, Biomass	3	VOC	Acrolein	C3-v1	1.31E-04	5.04E-05	2.96E-04	4.72E-05	lbs/ton	1	108.83	270.34	0.75
FBC, Biomass	3	VOC	Benzene	A3-v0	1.34E-04	1.34E-04	1.38E-04	1.31E-04	lbs/ton	1	2.62	6.51	0.00
FBC, Biomass	3	VOC	Formaldehyde	C3-v0	2.65E-03	2.78E-03	2.94E-03	2.23E-03	lbs/ton	1	14.07	34.95	1.00
FBC, Biomass	3	VOC	Toluene	A3-v0	1.28E-04	1.25E-04	1.40E-04	1.19E-04	lbs/ton	1	8.19	20.34	0.64
FBC, Biomass	3	VOC	Vinyl Chloride	A3-v0	1.42E-04	1.41E-04	1.46E-04	1.38E-04	lbs/ton	1	2.63	6.52	0.00
FBC, Biomass	3	VOC	Xylene (Total)	A3-v0	1.50E-04	1.43E-04	2.35E-04	7.05E-05	lbs/ton	1	55.09	136.84	0.68
FBC, Biomass	4	Dioxin/Furan	Dioxin:4D 2378	A3-v0	3.99E-11	4.07E-11	4.83E-11	3.08E-11	lbs/ton	1	22.06	54.79	0.00
FBC, Biomass	4	Dioxin/Furan	Dioxin:4D Total	A3-v0	1.79E-09	1.88E-09	2.38E-09	1.10E-09	lbs/ton	1	36.15	89.80	1.00
FBC, Biomass	4	Dioxin/Furan	Dioxin:5D 12378	A3-v0	8.10E-11	7.50E-11	1.08E-10	5.98E-11	lbs/ton	1	30.60	76.03	0.00
FBC, Biomass	4	Dioxin/Furan	Dioxin:5D Total	A3-v0	1.54E-09	1.64E-09	2.11E-09	8.60E-10	lbs/ton	1	41.11	102.12	1.00
FBC, Biomass	4	Dioxin/Furan	Dioxin:6D 123478	A3-v0	8.95E-11	9.38E-11	9.70E-11	7.78E-11	lbs/ton	1	11.47	28.48	0.00
FBC, Biomass	4	Dioxin/Furan	Dioxin:6D 123678	A3-v0	8.95E-11	9.38E-11	9.70E-11	7.78E-11	lbs/ton	1	11.47	28.48	0.00
FBC, Biomass	4	Dioxin/Furan	Dioxin:6D 123789	A3-v0	8.09E-11	8.53E-11	8.81E-11	6.93E-11	lbs/ton	1	12.51	31.08	0.00
FBC, Biomass	4	Dioxin/Furan	Dioxin:6D Total	A3-v0	9.50E-10	7.92E-10	1.38E-09	6.71E-10	lbs/ton	1	40.20	99.87	0.72
FBC, Biomass	4	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	1.08E-10	1.10E-10	1.36E-10	7.68E-11	lbs/ton	1	27.73	68.88	0.58
FBC, Biomass	4	Dioxin/Furan	Dioxin:7D Total	A3-v2	5.51E-09	1.99E-10	1.63E-08	6.82E-11	lbs/ton	1	169.01	419.85	1.00
FBC, Biomass	4	Dioxin/Furan	Dioxin:8D	A3-v0	3.32E-10	2.77E-10	4.97E-10	2.20E-10	lbs/ton	1	44.15	109.68	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:4F 2378	A3-v0	1.57E-10	1.77E-10	1.95E-10	9.91E-11	lbs/ton	1	32.39	80.47	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:4F Total	A3-v0	4.46E-09	4.69E-09	6.06E-09	2.65E-09	lbs/ton	1	38.44	95.49	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:5F 12378	A3-v0	1.19E-10	9.74E-11	1.86E-10	7.50E-11	lbs/ton	1	49.18	122.17	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:5F 23478	A3-v0	1.60E-10	1.48E-10	2.34E-10	9.91E-11	lbs/ton	1	42.73	106.14	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:5F Total	A3-v0	1.40E-09	1.30E-09	2.12E-09	7.71E-10	lbs/ton	1	48.80	121.23	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Biomass	4	Dioxin/Furan	Furan:6F 123478	A3-v0	9.08E-11	6.28E-11	1.70E-10	3.96E-11	lbs/ton	1	76.61	190.32	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:6F 123678	A3-v0	8.18E-11	5.85E-11	1.38E-10	4.85E-11	lbs/ton	1	60.27	149.71	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:6F 123789	A3-v0	4.60E-11	4.77E-11	5.13E-11	3.92E-11	lbs/ton	1	13.53	33.60	0.00
FBC, Biomass	4	Dioxin/Furan	Furan:6F 234678	A3-v0	5.41E-11	5.29E-11	7.24E-11	3.69E-11	lbs/ton	1	32.91	81.75	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:6F Total	A3-v0	8.03E-10	6.28E-10	1.41E-09	3.75E-10	lbs/ton	1	66.98	166.40	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:7F 1234678	A3-v1	3.41E-10	1.96E-10	7.50E-10	7.80E-11	lbs/ton	1	105.04	260.93	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:7F 1234789	A3-v0	4.98E-11	3.09E-11	8.94E-11	2.90E-11	lbs/ton	1	68.96	171.31	0.00
FBC, Biomass	4	Dioxin/Furan	Furan:7F Total	A3-v0	1.16E-10	7.80E-11	1.96E-10	7.50E-11	lbs/ton	1	59.47	147.73	1.00
FBC, Biomass	4	Dioxin/Furan	Furan:8F	A3-v0	2.05E-10	1.68E-10	2.99E-10	1.48E-10	lbs/ton	1	40.05	99.48	1.00
FBC, Biomass	4	Halogens	HCl	C3-v1	1.55E-04	9.56E-05	3.28E-04	4.02E-05	lbs/ton	1	98.79	245.41	1.00
FBC, Biomass	4	Metals	Arsenic	B3-v1	6.06E-06	6.18E-06	1.08E-05	1.24E-06	lbs/ton	1	78.49	194.99	1.00
FBC, Biomass	4	Metals	Beryllium	B3-v0	2.75E-07	2.20E-07	3.99E-07	2.07E-07	lbs/ton	1	39.03	96.95	0.00
FBC, Biomass	4	Metals	Cadmium	B3-v1	5.29E-06	5.64E-06	9.09E-06	1.14E-06	lbs/ton	1	75.41	187.34	1.00
FBC, Biomass	4	Metals	Chromium (Hex)	C3-v0	1.02E-06	1.01E-06	1.03E-06	1.00E-06	lbs/ton	1	1.51	3.75	0.00
FBC, Biomass	4	Metals	Chromium (Total)	C3-v0	3.85E-05	3.86E-05	4.13E-05	3.56E-05	lbs/ton	1	7.50	18.64	1.00
FBC, Biomass	4	Metals	Copper	B3-v0	3.60E-05	3.44E-05	4.31E-05	3.06E-05	lbs/ton	1	17.82	44.26	1.00
FBC, Biomass	4	Metals	Lead	B3-v1	4.04E-05	5.94E-05	5.99E-05	2.06E-06	lbs/ton	1	82.20	204.20	1.00
FBC, Biomass	4	Metals	Manganese	B3-v2	1.64E-04	6.16E-05	4.26E-04	4.40E-06	lbs/ton	1	139.47	346.45	1.00
FBC, Biomass	4	Metals	Mercury	B3-v2	3.69E-04	4.85E-04	6.11E-04	1.08E-05	lbs/ton	1	85.79	213.12	1.00
FBC, Biomass	4	Metals	Nickel	B3-v0	8.51E-06	7.02E-06	1.51E-05	3.41E-06	lbs/ton	1	70.32	174.69	1.00
FBC, Biomass	4	Metals	Selenium	B3-v0	6.29E-06	4.38E-06	1.04E-05	4.14E-06	lbs/ton	1	55.95	139.00	1.00
FBC, Biomass	4	Metals	Zinc	B3-v1	1.74E-04	2.43E-04	2.68E-04	1.06E-05	lbs/ton	1	81.63	202.78	1.00
FBC, Biomass	4	PAH	Acenaphthene	A3-v3	6.96E-06	9.56E-08	2.08E-05	2.65E-08	lbs/ton	1	171.69	426.50	1.00
FBC, Biomass	4	PAH	Acenaphthylene	A3-v1	1.62E-07	6.72E-08	3.89E-07	3.09E-08	lbs/ton	1	121.41	301.60	1.00
FBC, Biomass	4	PAH	Anthracene	A3-v1	2.92E-07	6.51E-08	7.58E-07	5.29E-08	lbs/ton	1	138.21	343.33	1.00
FBC, Biomass	4	PAH	Benzo(a)anthracene	A3-v0	3.86E-08	4.33E-08	4.41E-08	2.86E-08	lbs/ton	1	22.62	56.18	0.25
FBC, Biomass	4	PAH	Benzo(a)pyrene	A3-v0	4.26E-08	4.33E-08	4.41E-08	4.06E-08	lbs/ton	1	4.27	10.60	0.00
FBC, Biomass	4	PAH	Benzo(b)fluoranthene	A3-v0	4.26E-08	4.33E-08	4.41E-08	4.06E-08	lbs/ton	1	4.27	10.60	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Biomass	4	PAH	Benzo(g,h,i)perylene	A3-v0	4.26E-08	4.33E-08	4.41E-08	4.06E-08	lbs/ton	1	4.27	10.60	0.00
FBC, Biomass	4	PAH	Benzo(k)fluoranthene	A3-v0	4.26E-08	4.33E-08	4.41E-08	4.06E-08	lbs/ton	1	4.27	10.60	0.00
FBC, Biomass	4	PAH	Chrysene	A3-v0	4.26E-08	4.33E-08	4.41E-08	4.06E-08	lbs/ton	1	4.27	10.60	0.00
FBC, Biomass	4	PAH	Dibenz(a,h)anthracene	A3-v0	4.26E-08	4.33E-08	4.41E-08	4.06E-08	lbs/ton	1	4.27	10.60	0.00
FBC, Biomass	4	PAH	Fluoranthene	A3-v0	1.86E-07	2.03E-07	2.42E-07	1.13E-07	lbs/ton	1	35.65	88.56	1.00
FBC, Biomass	4	PAH	Fluorene	A3-v0	3.75E-07	4.07E-07	5.85E-07	1.32E-07	lbs/ton	1	60.88	151.23	1.00
FBC, Biomass	4	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	4.26E-08	4.33E-08	4.41E-08	4.06E-08	lbs/ton	1	4.27	10.60	0.00
FBC, Biomass	4	PAH	Naphthalene	A3-v1	1.00E-05	5.29E-06	2.16E-05	3.09E-06	lbs/ton	1	101.29	251.63	1.00
FBC, Biomass	4	PAH	Phenanthrene	A3-v1	7.06E-07	8.66E-07	1.14E-06	1.12E-07	lbs/ton	1	75.36	187.20	1.00
FBC, Biomass	4	PAH	Pyrene	A3-v0	1.03E-07	1.03E-07	1.32E-07	7.36E-08	lbs/ton	1	28.45	70.67	1.00
FBC, Biomass	4	PCB	PCB:Decachlorinated biphenyls	A3-v0	2.95E-09	2.33E-09	4.33E-09	2.17E-09	lbs/ton	1	40.76	101.25	0.00
FBC, Biomass	4	PCB	PCB:Dichlorinated biphenyls	A3-v1	7.58E-08	8.53E-08	1.32E-07	9.95E-09	lbs/ton	1	81.35	202.07	0.00
FBC, Biomass	4	PCB	PCB:Heptachlorinated biphenyls	A3-v0	4.37E-09	3.58E-09	6.06E-09	3.49E-09	lbs/ton	1	33.34	82.83	0.00
FBC, Biomass	4	PCB	PCB:Hexachlorinated biphenyls	A3-v0	5.21E-09	5.54E-09	7.71E-09	2.38E-09	lbs/ton	1	51.39	127.65	1.00
FBC, Biomass	4	PCB	PCB:Monochlorinated biphenyls	A3-v1	2.22E-07	1.77E-07	4.69E-07	1.94E-08	lbs/ton	1	102.83	255.45	1.00
FBC, Biomass	4	PCB	PCB:Nonachlorinated biphenyls	A3-v0	2.03E-09	1.58E-09	3.28E-09	1.24E-09	lbs/ton	1	53.68	133.36	0.00
FBC, Biomass	4	PCB	PCB:Octachlorinated biphenyls	A3-v0	3.67E-08	3.70E-08	4.33E-08	2.99E-08	lbs/ton	1	18.26	45.35	0.00
FBC, Biomass	4	PCB	PCB:Pentachlorinated biphenyls	A3-v0	5.62E-09	3.22E-09	1.04E-08	3.18E-09	lbs/ton	1	74.51	185.10	0.62
FBC, Biomass	4	PCB	PCB:Tetrachlorinated biphenyls	A3-v0	3.79E-08	4.85E-08	4.89E-08	1.62E-08	lbs/ton	1	49.49	122.95	1.00
FBC, Biomass	4	PCB	PCB:Trichlorinated biphenyls	A3-v1	1.94E-07	9.30E-08	4.26E-07	6.39E-08	lbs/ton	1	103.57	257.28	1.00
FBC, Biomass	4	VOC	Acetaldehyde	C3-v1	1.03E-03	1.14E-03	1.73E-03	2.12E-04	lbs/ton	1	74.39	184.79	1.00
FBC, Biomass	4	VOC	Acrolein	C3-v0	5.23E-05	5.18E-05	5.47E-05	5.03E-05	lbs/ton	1	4.23	10.50	0.00
FBC, Biomass	4	VOC	Benzene	A3-v0	1.49E-04	1.50E-04	1.50E-04	1.48E-04	lbs/ton	1	0.81	2.01	0.00
FBC, Biomass	4	VOC	Formaldehyde	C3-v0	6.04E-04	6.22E-04	7.62E-04	4.28E-04	lbs/ton	1	27.77	68.97	1.00
FBC, Biomass	4	VOC	Toluene	A3-v0	1.70E-04	1.51E-04	2.07E-04	1.51E-04	lbs/ton	1	18.80	46.70	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Biomass	4	VOC	Vinyl Chloride	A3-v0	1.57E-04	1.58E-04	1.58E-04	1.55E-04	lbs/ton	1	1.03	2.56	0.00
FBC, Biomass	4	VOC	Xylene (Total)	A3-v0	1.60E-04	1.61E-04	1.61E-04	1.59E-04	lbs/ton	1	0.81	2.01	0.00
FBC, Coal	1	Dioxin/Furan	Dioxin/Furan:Total	A3-v1	1.77E-09	2.32E-09	2.77E-09	2.27E-10	lbs/ton	1	76.58	190.24	0.00
FBC, Coal	1	Dioxin/Furan	Dioxin:4D 2378	B1-v1	5.03E-10	3.27E-10	1.62E-09	4.49E-11	lbs/ton	5	97.77	56.45	0.00
FBC, Coal	1	Dioxin/Furan	Dioxin:4D Total	B1-v1	7.46E-10	3.55E-10	3.47E-09	8.07E-11	lbs/ton	5	119.78	66.33	0.00
FBC, Coal	1	Dioxin/Furan	Dioxin:5D 12378	B1-v1	6.05E-10	3.41E-10	1.88E-09	6.85E-11	lbs/ton	5	102.15	61.73	0.00
FBC, Coal	1	Dioxin/Furan	Dioxin:5D Total	B1-v2	3.55E-09	4.22E-10	3.12E-08	1.90E-10	lbs/ton	5	234.95	130.11	0.01
FBC, Coal	1	Dioxin/Furan	Dioxin:6D 123478	B1-v2	2.92E-09	5.79E-10	2.51E-08	1.39E-10	lbs/ton	5	228.39	126.48	0.01
FBC, Coal	1	Dioxin/Furan	Dioxin:6D 123678	B1-v1	6.43E-10	5.79E-10	2.21E-09	1.39E-10	lbs/ton	5	91.17	55.10	0.05
FBC, Coal	1	Dioxin/Furan	Dioxin:6D 123789	B1-v2	2.92E-09	5.65E-10	2.51E-08	1.31E-10	lbs/ton	5	228.54	126.56	0.01
FBC, Coal	1	Dioxin/Furan	Dioxin:6D Total	B1-v2	3.44E-09	7.40E-10	2.51E-08	1.68E-10	lbs/ton	5	192.58	106.65	0.16
FBC, Coal	1	Dioxin/Furan	Dioxin:7D 1234678	B1-v1	2.21E-09	1.09E-09	9.87E-09	2.10E-10	lbs/ton	5	124.56	71.92	0.45
FBC, Coal	1	Dioxin/Furan	Dioxin:7D Total	B1-v2	4.70E-09	2.05E-09	2.45E-08	2.10E-10	lbs/ton	5	142.09	78.69	0.40
FBC, Coal	1	Dioxin/Furan	Dioxin:8D	B1-v2	1.36E-08	1.23E-09	7.45E-08	2.68E-10	lbs/ton	5	156.83	86.85	0.41
FBC, Coal	1	Dioxin/Furan	Furan:4F 2378	B1-v2	1.24E-09	4.63E-10	5.83E-09	1.15E-10	lbs/ton	5	141.34	78.27	0.04
FBC, Coal	1	Dioxin/Furan	Furan:4F Total	B1-v1	2.03E-09	4.63E-10	5.83E-09	1.24E-10	lbs/ton	5	106.90	59.20	0.45
FBC, Coal	1	Dioxin/Furan	Furan:5F 12378	B1-v2	1.31E-09	4.31E-10	8.81E-09	1.11E-10	lbs/ton	5	176.54	97.77	0.09
FBC, Coal	1	Dioxin/Furan	Furan:5F 23478	B1-v2	1.38E-09	4.31E-10	8.81E-09	1.24E-10	lbs/ton	5	166.21	92.04	0.15
FBC, Coal	1	Dioxin/Furan	Furan:5F Total	B1-v2	3.10E-09	6.52E-10	1.41E-08	1.67E-10	lbs/ton	5	140.10	77.58	0.60
FBC, Coal	1	Dioxin/Furan	Furan:6F 123478	B1-v2	1.89E-09	5.46E-10	1.09E-08	1.36E-10	lbs/ton	5	171.12	94.76	0.13
FBC, Coal	1	Dioxin/Furan	Furan:6F 123678	B1-v2	1.98E-09	5.63E-10	1.09E-08	1.36E-10	lbs/ton	5	162.67	90.08	0.17
FBC, Coal	1	Dioxin/Furan	Furan:6F 123789	B1-v2	1.85E-09	5.65E-10	1.09E-08	1.26E-10	lbs/ton	5	174.85	96.83	0.11
FBC, Coal	1	Dioxin/Furan	Furan:6F 234678	B1-v2	2.28E-09	6.11E-10	1.09E-08	1.36E-10	lbs/ton	5	146.79	81.29	0.28
FBC, Coal	1	Dioxin/Furan	Furan:6F Total	B1-v2	5.06E-09	6.11E-10	2.91E-08	1.36E-10	lbs/ton	5	163.39	90.48	0.67
FBC, Coal	1	Dioxin/Furan	Furan:7F 1234678	B1-v2	6.16E-09	9.41E-10	2.83E-08	2.36E-10	lbs/ton	5	152.72	84.57	0.53
FBC, Coal	1	Dioxin/Furan	Furan:7F 1234789	B1-v2	3.28E-09	6.39E-10	2.38E-08	2.36E-10	lbs/ton	5	195.12	108.05	0.12
FBC, Coal	1	Dioxin/Furan	Furan:7F Total	B1-v2	9.04E-09	1.07E-09	5.08E-08	2.36E-10	lbs/ton	5	167.80	92.92	0.68
FBC, Coal	1	Dioxin/Furan	Furan:8F	B1-v2	1.41E-08	8.84E-10	1.15E-07	2.47E-10	lbs/ton	5	215.22	119.19	0.18

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Coal	1	Halogens	HCl	C1-v1	2.29E-02	2.33E-02	5.15E-02	8.25E-03	lbs/ton	5	52.96	29.33	1.00
FBC, Coal	1	Halogens	HF	C3-v0	6.22E-03	6.15E-03	8.61E-03	3.43E-03	lbs/ton	2	31.61	33.18	0.63
FBC, Coal	1	Metals	Antimony	C3-v0	1.15E-05	1.15E-05	1.18E-05	1.13E-05	lbs/ton	1	2.27	5.65	0.00
FBC, Coal	1	Metals	Arsenic	D1-v2	3.40E-05	8.25E-06	1.47E-04	9.67E-07	lbs/ton	5	130.21	72.11	0.43
FBC, Coal	1	Metals	Barium	C3-v0	4.98E-04	4.85E-04	5.26E-04	4.83E-04	lbs/ton	1	4.86	12.07	1.00
FBC, Coal	1	Metals	Beryllium	D1-v1	3.43E-06	2.14E-06	1.18E-05	5.77E-07	lbs/ton	5	123.38	68.33	0.00
FBC, Coal	1	Metals	Cadmium	D1-v1	1.19E-05	1.15E-05	2.19E-05	3.10E-06	lbs/ton	5	53.59	29.68	0.35
FBC, Coal	1	Metals	Chromium (Hex)	B1-v1	1.65E-05	9.28E-06	4.52E-05	4.58E-06	lbs/ton	5	82.92	45.92	0.47
FBC, Coal	1	Metals	Chromium (Total)	B1-v2	4.37E-05	1.86E-05	2.58E-04	3.63E-06	lbs/ton	5	153.73	85.13	0.99
FBC, Coal	1	Metals	Copper	D1-v1	1.33E-04	5.87E-05	3.98E-04	8.51E-06	lbs/ton	5	98.37	54.48	0.99
FBC, Coal	1	Metals	Lead	D1-v2	6.13E-05	3.30E-05	2.11E-04	1.25E-06	lbs/ton	5	123.35	68.31	0.78
FBC, Coal	1	Metals	Manganese	D1-v3	2.10E-03	8.33E-05	2.99E-02	1.17E-05	lbs/ton	5	366.37	202.89	1.00
FBC, Coal	1	Metals	Mercury	C1-v3	2.57E-04	3.04E-05	1.19E-03	2.51E-07	lbs/ton	5	177.33	98.20	0.09
FBC, Coal	1	Metals	Nickel	D1-v2	1.92E-04	5.90E-05	1.61E-03	2.87E-05	lbs/ton	5	207.41	114.86	0.94
FBC, Coal	1	Metals	Phosphorus	D3-v0	6.04E-04	6.00E-04	6.25E-04	5.85E-04	lbs/ton	1	3.35	8.33	0.00
FBC, Coal	1	Metals	Selenium	D1-v2	4.81E-05	1.96E-05	2.54E-04	1.13E-06	lbs/ton	5	162.66	90.08	0.00
FBC, Coal	1	Metals	Silver	C3-v0	1.15E-05	1.15E-05	1.18E-05	1.13E-05	lbs/ton	1	2.27	5.65	0.00
FBC, Coal	1	Metals	Thallium	C3-v0	1.53E-06	1.69E-06	1.77E-06	1.15E-06	lbs/ton	1	22.11	54.92	0.75
FBC, Coal	1	Metals	Zinc	D1-v1	1.06E-03	5.93E-04	4.62E-03	2.24E-04	lbs/ton	5	113.29	62.74	1.00
FBC, Coal	1	PAH	Acenaphthene	B1-v4	2.25E-06	1.53E-07	1.28E-05	2.94E-10	lbs/ton	6	215.25	107.04	0.03
FBC, Coal	1	PAH	Acenaphthylene	B1-v4	2.24E-06	1.37E-07	1.28E-05	2.94E-10	lbs/ton	6	216.58	107.70	0.02
FBC, Coal	1	PAH	Anthracene	B1-v4	2.24E-06	1.49E-07	1.28E-05	2.94E-10	lbs/ton	6	216.17	107.50	0.03
FBC, Coal	1	PAH	Benzo(a)anthracene	B1-v4	2.21E-06	1.29E-07	1.28E-05	2.94E-10	lbs/ton	6	219.85	109.33	0.00
FBC, Coal	1	PAH	Benzo(a)pyrene	B1-v4	2.44E-06	1.90E-07	1.28E-05	2.94E-10	lbs/ton	6	195.87	97.40	0.00
FBC, Coal	1	PAH	Benzo(b)fluoranthene	B2-v2	4.34E-06	1.39E-07	1.28E-05	6.36E-08	lbs/ton	3	145.56	111.89	0.01
FBC, Coal	1	PAH	Benzo(b+k)fluoranthene	C2-v3	9.80E-08	1.24E-07	1.72E-07	2.94E-10	lbs/ton	3	77.67	59.70	0.00
FBC, Coal	1	PAH	Benzo(g,h,i)perylene	B1-v4	2.23E-06	1.48E-07	1.28E-05	2.94E-10	lbs/ton	6	217.33	108.07	0.00
FBC, Coal	1	PAH	Benzo(k)fluoranthene	B2-v2	4.31E-06	1.35E-07	1.28E-05	2.68E-08	lbs/ton	3	146.90	112.92	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Coal	1	PAH	Chrysene	B1-v4	2.25E-06	1.55E-07	1.28E-05	2.94E-10	lbs/ton	6	215.17	107.00	0.02
FBC, Coal	1	PAH	Dibenz(a,h)anthracene	B1-v4	2.24E-06	1.48E-07	1.28E-05	2.94E-10	lbs/ton	6	216.23	107.53	0.00
FBC, Coal	1	PAH	Fluoranthene	B1-v4	2.26E-06	1.37E-07	1.28E-05	3.67E-10	lbs/ton	6	213.53	106.19	0.03
FBC, Coal	1	PAH	Fluorene	B1-v4	2.41E-06	2.81E-07	1.28E-05	2.94E-10	lbs/ton	6	198.01	98.47	0.10
FBC, Coal	1	PAH	Indeno(1,2,3-cd)pyrene	B1-v4	2.24E-06	1.48E-07	1.28E-05	2.94E-10	lbs/ton	6	215.85	107.34	0.00
FBC, Coal	1	PAH	Naphthalene	B1-v6	2.61E-04	9.37E-06	1.55E-03	1.76E-09	lbs/ton	6	215.05	106.94	0.99
FBC, Coal	1	PAH	Phenanthrene	B1-v4	3.15E-06	4.68E-07	1.28E-05	5.32E-10	lbs/ton	6	150.96	75.07	0.33
FBC, Coal	1	PAH	Pyrene	B1-v4	2.26E-06	1.70E-07	1.28E-05	2.94E-10	lbs/ton	6	214.02	106.43	0.03
FBC, Coal	1	PCB	PCB:Decachlorinated biphenyls	C3-v0	2.45E-07	2.45E-07	2.53E-07	2.38E-07	lbs/ton	1	3.02	7.51	0.00
FBC, Coal	1	PCB	PCB:Dichlorinated biphenyls	C3-v0	1.13E-07	1.13E-07	1.17E-07	1.10E-07	lbs/ton	1	3.02	7.51	0.00
FBC, Coal	1	PCB	PCB:Heptachlorinated biphenyls	C3-v0	2.45E-07	2.45E-07	2.53E-07	2.38E-07	lbs/ton	1	3.02	7.51	0.00
FBC, Coal	1	PCB	PCB:Hexachlorinated biphenyls	C3-v0	1.76E-07	1.75E-07	1.83E-07	1.69E-07	lbs/ton	1	4.02	9.99	0.00
FBC, Coal	1	PCB	PCB:Monochlorinated biphenyls	C3-v0	1.13E-07	1.13E-07	1.17E-07	1.10E-07	lbs/ton	1	3.02	7.51	0.00
FBC, Coal	1	PCB	PCB:Nonachlorinated biphenyls	C3-v0	2.45E-07	2.45E-07	2.53E-07	2.38E-07	lbs/ton	1	3.02	7.51	0.00
FBC, Coal	1	PCB	PCB:Octachlorinated biphenyls	C3-v0	2.45E-07	2.45E-07	2.53E-07	2.38E-07	lbs/ton	1	3.02	7.51	0.00
FBC, Coal	1	PCB	PCB:Pentachlorinated biphenyls	C3-v0	1.13E-07	1.13E-07	1.17E-07	1.10E-07	lbs/ton	1	3.02	7.51	0.00
FBC, Coal	1	PCB	PCB:Tetrachlorinated biphenyls	C3-v0	1.13E-07	1.13E-07	1.17E-07	1.10E-07	lbs/ton	1	3.02	7.51	0.00
FBC, Coal	1	PCB	PCB:Trichlorinated biphenyls	C3-v0	1.13E-07	1.13E-07	1.17E-07	1.10E-07	lbs/ton	1	3.02	7.51	0.00
FBC, Coal	1	SVOC	Phenol	E3-v0	4.37E-04	4.28E-04	4.57E-04	4.27E-04	lbs/ton	1	3.94	9.79	0.00
FBC, Coal	1	VOC	Acetaldehyde	B3-v0	4.24E-04	4.21E-04	5.93E-04	2.74E-04	lbs/ton	2	32.18	33.77	0.36
FBC, Coal	1	VOC	Acrolein	C3-v0	6.35E-04	6.22E-04	6.91E-04	5.93E-04	lbs/ton	1	7.94	19.72	0.00
FBC, Coal	1	VOC	Benzene	C3-v0	2.67E-04	2.55E-04	3.10E-04	2.38E-04	lbs/ton	1	14.09	35.00	1.00
FBC, Coal	1	VOC	Formaldehyde	C1-v1	2.53E-03	5.95E-04	8.18E-03	2.49E-04	lbs/ton	6	125.19	62.25	0.97
FBC, Coke	1	Halogens	HCl	E3-v1	7.37E-02	6.51E-02	1.37E-01	2.06E-02	lbs/ton	2	70.28	73.75	1.00
FBC, Coke	1	Halogens	HF	E3-v1	7.10E-04	5.59E-04	1.64E-03	1.05E-04	lbs/ton	2	87.92	92.27	0.98

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Coke	1	Metals	Arsenic	C3-v1	4.62E-05	4.16E-05	9.39E-05	6.39E-06	lbs/ton	2	95.03	99.73	0.93
FBC, Coke	1	Metals	Beryllium	C3-v0	2.14E-06	1.68E-06	4.07E-06	1.29E-06	lbs/ton	2	51.83	54.39	0.00
FBC, Coke	1	Metals	Cadmium	C3-v0	1.69E-05	1.85E-05	2.70E-05	6.13E-06	lbs/ton	2	50.92	53.43	0.64
FBC, Coke	1	Metals	Chromium (Hex)	A3-v0	9.31E-06	8.98E-06	1.32E-05	6.69E-06	lbs/ton	2	29.24	30.69	0.00
FBC, Coke	1	Metals	Chromium (Total)	A3-v0	1.01E-05	9.17E-06	1.79E-05	7.22E-06	lbs/ton	2	39.00	40.93	1.00
FBC, Coke	1	Metals	Copper	C3-v1	7.95E-05	7.38E-05	1.67E-04	3.08E-05	lbs/ton	2	60.58	63.57	1.00
FBC, Coke	1	Metals	Lead	C3-v2	1.57E-04	8.49E-05	4.12E-04	1.87E-06	lbs/ton	2	118.47	124.32	1.00
FBC, Coke	1	Metals	Manganese	C3-v1	1.32E-04	8.94E-05	2.80E-04	3.85E-05	lbs/ton	2	80.66	84.65	1.00
FBC, Coke	1	Metals	Mercury	C3-v2	1.25E-03	9.24E-04	3.51E-03	7.99E-06	lbs/ton	2	117.50	123.31	0.00
FBC, Coke	1	Metals	Nickel	C3-v1	1.24E-04	1.13E-04	2.69E-04	2.05E-05	lbs/ton	2	85.42	89.64	1.00
FBC, Coke	1	Metals	Selenium	C3-v1	8.91E-05	7.48E-05	1.71E-04	3.20E-05	lbs/ton	2	72.45	76.03	0.00
FBC, Coke	1	Metals	Zinc	C3-v1	9.96E-03	1.05E-02	1.86E-02	1.02E-03	lbs/ton	2	76.52	80.30	1.00
FBC, Coke	1	PAH	Acenaphthene	B3-v1	6.12E-07	5.34E-07	1.30E-06	1.97E-07	lbs/ton	2	69.84	73.30	0.53
FBC, Coke	1	PAH	Acenaphthylene	B3-v0	3.97E-07	3.37E-07	7.64E-07	1.97E-07	lbs/ton	2	54.64	57.35	0.23
FBC, Coke	1	PAH	Anthracene	B3-v0	2.34E-07	2.05E-07	3.82E-07	1.94E-07	lbs/ton	2	31.20	32.75	0.27
FBC, Coke	1	PAH	Benzo(a)anthracene	B3-v0	2.35E-07	2.05E-07	3.94E-07	1.91E-07	lbs/ton	2	33.39	35.04	0.28
FBC, Coke	1	PAH	Benzo(a)pyrene	B3-v0	2.03E-07	1.97E-07	2.24E-07	1.91E-07	lbs/ton	2	6.22	6.53	0.00
FBC, Coke	1	PAH	Benzo(b+k)fluoranthene	B3-v0	3.08E-07	2.18E-07	6.95E-07	1.94E-07	lbs/ton	2	63.65	66.80	0.18
FBC, Coke	1	PAH	Benzo(g,h,i)perylene	B3-v0	2.09E-07	2.05E-07	2.29E-07	1.94E-07	lbs/ton	2	7.17	7.53	0.18
FBC, Coke	1	PAH	Chrysene	B3-v1	5.75E-07	5.18E-07	1.22E-06	2.17E-07	lbs/ton	2	63.17	66.29	0.40
FBC, Coke	1	PAH	Dibenz(a,h)anthracene	B3-v0	2.66E-07	2.05E-07	5.73E-07	1.94E-07	lbs/ton	2	56.59	59.39	0.36
FBC, Coke	1	PAH	Fluoranthene	B3-v1	9.71E-07	1.02E-06	1.99E-06	1.97E-07	lbs/ton	2	62.66	65.76	1.00
FBC, Coke	1	PAH	Fluorene	B3-v1	1.13E-06	1.26E-06	2.44E-06	1.97E-07	lbs/ton	2	74.72	78.41	0.94
FBC, Coke	1	PAH	Indeno(1,2,3-cd)pyrene	B3-v0	2.04E-07	1.98E-07	2.24E-07	1.94E-07	lbs/ton	2	5.66	5.94	0.16
FBC, Coke	1	PAH	Naphthalene	B3-v1	4.96E-05	2.17E-05	1.25E-04	1.18E-05	lbs/ton	2	101.34	106.35	1.00
FBC, Coke	1	PAH	Phenanthrene	B3-v1	5.35E-06	4.09E-06	1.53E-05	3.31E-07	lbs/ton	2	102.67	107.75	1.00
FBC, Coke	1	PAH	Pyrene	B3-v1	1.30E-06	6.97E-07	4.65E-06	1.97E-07	lbs/ton	2	130.36	136.80	0.97
FBC, Coke	1	Particulate	Particulate	E3-v1	1.20E-01	9.95E-02	2.90E-01	1.87E-02	lbs/ton	2	81.16	85.18	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FBC, Coke	1	VOC	Ammonia	E3-v0	3.66E-01	4.02E-01	4.33E-01	2.62E-01	lbs/ton	1	24.88	61.81	1.00
FBC, Coke	1	VOC	Benzene	C3-v0	1.60E-05	1.60E-05	1.60E-05	1.60E-05	lbs/ton	1	0.00	0.00	0.00
FCCU, Refinery gas	1	Halogens	HCl	A3-v1	5.29E-01	5.52E-01	8.85E-01	1.50E-01	lbs/MBarrels	1	69.54	172.75	1.00
FCCU, Refinery gas	1	Metals	Arsenic	A3-v1	3.02E-04	4.05E-04	4.18E-04	8.32E-05	lbs/MBarrels	1	62.80	156.01	0.00
FCCU, Refinery gas	1	Metals	Beryllium	A3-v0	3.28E-05	3.27E-05	3.33E-05	3.23E-05	lbs/MBarrels	1	1.65	4.10	0.00
FCCU, Refinery gas	1	Metals	Cadmium	A3-v0	8.34E-05	8.32E-05	8.47E-05	8.24E-05	lbs/MBarrels	1	1.40	3.47	0.00
FCCU, Refinery gas	1	Metals	Chromium (Hex)	C3-v0	2.77E-05	2.76E-05	2.96E-05	2.59E-05	lbs/MBarrels	1	6.61	16.43	0.00
FCCU, Refinery gas	1	Metals	Chromium (Total)	C3-v0	4.98E-04	4.99E-04	5.04E-04	4.92E-04	lbs/MBarrels	1	1.23	3.05	1.00
FCCU, Refinery gas	1	Metals	Copper	A3-v0	6.58E-04	4.31E-04	1.21E-03	3.39E-04	lbs/MBarrels	1	72.29	179.58	1.00
FCCU, Refinery gas	1	Metals	Lead	A3-v0	3.96E-04	3.43E-04	5.76E-04	2.70E-04	lbs/MBarrels	1	40.29	100.09	1.00
FCCU, Refinery gas	1	Metals	Manganese	A3-v0	6.28E-04	7.63E-04	7.93E-04	3.28E-04	lbs/MBarrels	1	41.41	102.87	1.00
FCCU, Refinery gas	1	Metals	Mercury	A3-v0	1.62E-04	9.61E-05	2.94E-04	9.54E-05	lbs/MBarrels	1	70.67	175.56	0.00
FCCU, Refinery gas	1	Metals	Nickel	A3-v0	6.90E-03	5.25E-03	1.04E-02	5.07E-03	lbs/MBarrels	1	43.65	108.45	1.00
FCCU, Refinery gas	1	Metals	Selenium	A3-v0	1.21E-03	1.22E-03	1.58E-03	8.39E-04	lbs/MBarrels	1	30.48	75.72	0.77
FCCU, Refinery gas	1	Metals	Zinc	A3-v0	2.30E-03	1.56E-03	4.04E-03	1.29E-03	lbs/MBarrels	1	66.02	164.01	1.00
FCCU, Refinery gas	1	PAH	Acenaphthene	A3-v0	4.90E-07	4.34E-07	6.17E-07	4.17E-07	lbs/MBarrels	1	22.65	56.26	1.00
FCCU, Refinery gas	1	PAH	Acenaphthylene	A3-v0	3.53E-07	3.65E-07	4.37E-07	2.59E-07	lbs/MBarrels	1	25.40	63.10	0.76
FCCU, Refinery gas	1	PAH	Anthracene	A3-v0	1.13E-06	1.13E-06	1.59E-06	6.72E-07	lbs/MBarrels	1	40.50	100.60	1.00
FCCU, Refinery gas	1	PAH	Benzo(a)anthracene	A3-v0	5.23E-07	2.59E-07	1.05E-06	2.57E-07	lbs/MBarrels	1	87.78	218.06	0.67
FCCU, Refinery gas	1	PAH	Benzo(a)pyrene	A3-v0	2.60E-07	2.59E-07	2.64E-07	2.57E-07	lbs/MBarrels	1	1.39	3.45	0.00
FCCU, Refinery gas	1	PAH	Benzo(b)fluoranthene	A3-v1	1.06E-06	4.34E-07	2.33E-06	4.17E-07	lbs/MBarrels	1	103.66	257.50	1.00
FCCU, Refinery gas	1	PAH	Benzo(e)pyrene	A3-v0	4.54E-07	2.59E-07	8.47E-07	2.57E-07	lbs/MBarrels	1	74.87	185.98	0.62
FCCU, Refinery gas	1	PAH	Benzo(g,h,i)perylene	A3-v0	2.60E-07	2.59E-07	2.64E-07	2.57E-07	lbs/MBarrels	1	1.39	3.45	0.00
FCCU, Refinery gas	1	PAH	Benzo(k)fluoranthene	A3-v0	3.65E-07	2.59E-07	5.81E-07	2.57E-07	lbs/MBarrels	1	50.99	126.66	0.53
FCCU, Refinery gas	1	PAH	Chrysene	A3-v1	2.56E-06	4.62E-07	6.87E-06	3.52E-07	lbs/MBarrels	1	145.68	361.90	1.00
FCCU, Refinery gas	1	PAH	Dibenz(a,h)anthracene	A3-v0	2.60E-07	2.59E-07	2.64E-07	2.57E-07	lbs/MBarrels	1	1.39	3.45	0.00
FCCU, Refinery gas	1	PAH	Fluoranthene	A3-v1	4.50E-06	3.24E-06	9.00E-06	1.24E-06	lbs/MBarrels	1	89.60	222.58	1.00
FCCU, Refinery gas	1	PAH	Fluorene	A3-v0	1.92E-06	1.95E-06	2.11E-06	1.71E-06	lbs/MBarrels	1	10.40	25.84	0.37

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
FCCU, Refinery gas	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	2.60E-07	2.59E-07	2.64E-07	2.57E-07	lbs/MBarrels	1	1.39	3.45	0.00
FCCU, Refinery gas	1	PAH	Naphthalene	A3-v0	1.02E-04	9.31E-05	1.21E-04	9.23E-05	lbs/MBarrels	1	16.16	40.15	0.00
FCCU, Refinery gas	1	PAH	Phenanthrene	A3-v0	1.15E-05	1.13E-05	1.69E-05	6.20E-06	lbs/MBarrels	1	46.55	115.64	0.82
FCCU, Refinery gas	1	PAH	Pyrene	A3-v1	2.48E-06	9.23E-07	5.81E-06	7.24E-07	lbs/MBarrels	1	115.86	287.80	1.00
FCCU, Refinery gas	1	SVOC	2-Methylnaphthalene	A3-v0	4.57E-06	4.55E-06	4.65E-06	4.52E-06	lbs/MBarrels	1	1.42	3.53	0.00
FCCU, Refinery gas	1	SVOC	Ethylbenzene	A3-v0	2.03E-02	2.03E-02	2.03E-02	2.03E-02	lbs/MBarrels	1	0.00	0.00	0.00
FCCU, Refinery gas	1	SVOC	Perylene	A3-v0	2.60E-07	2.59E-07	2.64E-07	2.57E-07	lbs/MBarrels	1	1.39	3.45	0.00
FCCU, Refinery gas	1	SVOC	Phenol	A3-v0	2.27E-04	2.33E-04	3.05E-04	1.44E-04	lbs/MBarrels	1	35.46	88.09	1.00
FCCU, Refinery gas	1	VOC	Acetaldehyde	A3-v0	2.62E-02	2.60E-02	2.68E-02	2.58E-02	lbs/MBarrels	1	1.98	4.93	0.00
FCCU, Refinery gas	1	VOC	Ammonia	B3-v0	2.02E-01	1.79E-01	2.66E-01	1.60E-01	lbs/MBarrels	1	27.82	69.10	1.00
FCCU, Refinery gas	1	VOC	Benzene	A3-v0	1.49E-02	1.49E-02	1.49E-02	1.49E-02	lbs/MBarrels	1	0.00	0.00	0.00
FCCU, Refinery gas	1	VOC	Carbonyl Sulfide	A3-v0	1.68E-01	1.68E-01	1.68E-01	1.67E-01	lbs/MBarrels	1	0.41	1.02	0.00
FCCU, Refinery gas	1	VOC	Cyanide	E3-v0	3.55E-02	4.44E-02	4.76E-02	1.44E-02	lbs/MBarrels	1	51.60	128.18	1.00
FCCU, Refinery gas	1	VOC	Formaldehyde	A3-v0	4.81E-02	4.78E-02	4.91E-02	4.73E-02	lbs/MBarrels	1	1.98	4.92	0.00
FCCU, Refinery gas	1	VOC	Hydrogen Sulfide	A3-v0	1.55E-01	1.56E-01	1.56E-01	1.54E-01	lbs/MBarrels	1	0.54	1.34	0.00
FCCU, Refinery gas	1	VOC	Toluene	A3-v0	1.76E-02	1.76E-02	1.76E-02	1.76E-02	lbs/MBarrels	1	0.00	0.00	0.00
FCCU, Refinery gas	1	VOC	Xylene (Total)	A3-v0	2.03E-02	2.03E-02	2.03E-02	2.03E-02	lbs/MBarrels	1	0.00	0.00	0.67
Flare, Landfill gas	1	Halogens	HCl	B2-v1	2.12E+02	1.97E+02	3.73E+02	7.33E+01	lbs/MMcf	4	49.45	45.73	1.00
Flare, Landfill gas	1	Halogens	HF	A3-v0	1.41E+02	1.47E+02	1.87E+02	8.93E+01	lbs/MMcf	1	34.72	86.26	1.00
Flare, Landfill gas	1	Metals	Arsenic	C3-v0	5.68E-01	5.68E-01	5.92E-01	5.43E-01	lbs/MMcf	1	6.13	55.09	1.00
Flare, Landfill gas	1	Metals	Cadmium	C3-v0	4.87E-01	4.87E-01	6.43E-01	3.31E-01	lbs/MMcf	1	45.35	407.48	1.00
Flare, Landfill gas	1	Metals	Chromium (Hex)	C3-v0	1.39E-01	1.39E-01	1.40E-01	1.39E-01	lbs/MMcf	1	0.47	4.22	0.00
Flare, Landfill gas	1	Metals	Chromium (Total)	C3-v0	2.00E+01	2.00E+01	2.34E+01	1.66E+01	lbs/MMcf	1	23.93	215.03	1.00
Flare, Landfill gas	1	Metals	Copper	C3-v0	4.61E+00	4.61E+00	4.86E+00	4.35E+00	lbs/MMcf	1	7.79	70.00	1.00
Flare, Landfill gas	1	Metals	Manganese	C3-v0	1.68E+01	1.68E+01	1.91E+01	1.45E+01	lbs/MMcf	1	19.09	171.55	1.00
Flare, Landfill gas	1	Metals	Nickel	C3-v0	1.83E+02	1.83E+02	2.38E+02	1.27E+02	lbs/MMcf	1	42.94	385.78	1.00
Flare, Landfill gas	1	Metals	Zinc	C3-v0	2.57E+00	2.57E+00	4.28E+00	8.62E-01	lbs/MMcf	1	94.00	844.54	1.00
Flare, Landfill gas	1	PAH	Acenaphthene	A3-v2	2.17E-02	1.20E-03	5.60E-02	9.17E-04	lbs/MMcf	2	130.47	161.99	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Flare, Landfill gas	1	PAH	Acenaphthylene	A3-v2	2.16E-02	1.05E-03	5.60E-02	8.03E-04	lbs/MMcf	2	131.31	163.04	0.00
Flare, Landfill gas	1	PAH	Anthracene	A3-v1	2.21E-02	1.95E-03	5.60E-02	1.49E-03	lbs/MMcf	2	126.34	156.87	0.00
Flare, Landfill gas	1	PAH	Benzo(a)anthracene	A3-v3	2.12E-02	4.59E-04	5.60E-02	7.48E-05	lbs/MMcf	2	135.89	168.73	0.01
Flare, Landfill gas	1	PAH	Benzo(a)pyrene	A3-v3	2.11E-02	7.48E-05	5.60E-02	5.73E-05	lbs/MMcf	2	136.97	170.07	0.00
Flare, Landfill gas	1	PAH	Benzo(b)fluoranthene	A3-v3	2.11E-02	1.63E-04	5.60E-02	6.31E-05	lbs/MMcf	2	136.76	169.81	0.00
Flare, Landfill gas	1	PAH	Benzo(e)pyrene	A3-v0	6.88E-05	7.41E-05	7.48E-05	5.73E-05	lbs/MMcf	1	14.40	35.76	0.00
Flare, Landfill gas	1	PAH	Benzo(g,h,i)perylene	A3-v3	2.11E-02	7.48E-05	5.60E-02	5.73E-05	lbs/MMcf	2	136.97	170.07	0.00
Flare, Landfill gas	1	PAH	Benzo(k)fluoranthene	A3-v3	2.11E-02	7.48E-05	5.60E-02	5.73E-05	lbs/MMcf	2	136.97	170.07	0.00
Flare, Landfill gas	1	PAH	Chrysene	A3-v2	2.12E-02	5.93E-04	5.60E-02	1.95E-04	lbs/MMcf	2	135.20	167.88	0.01
Flare, Landfill gas	1	PAH	Dibenz(a,h)anthracene	A3-v3	2.11E-02	7.48E-05	5.60E-02	5.73E-05	lbs/MMcf	2	136.97	170.07	0.00
Flare, Landfill gas	1	PAH	Fluoranthene	A3-v1	2.27E-02	3.71E-03	5.60E-02	2.17E-03	lbs/MMcf	2	121.07	150.33	0.05
Flare, Landfill gas	1	PAH	Fluorene	A3-v1	2.38E-02	4.93E-03	5.60E-02	3.79E-03	lbs/MMcf	2	111.26	138.14	0.00
Flare, Landfill gas	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v3	2.11E-02	7.48E-05	5.60E-02	5.73E-05	lbs/MMcf	2	136.97	170.07	0.00
Flare, Landfill gas	1	PAH	Naphthalene	A3-v6	1.30E+01	3.56E-02	3.54E+01	3.59E-05	lbs/MMcf	2	137.56	170.81	1.00
Flare, Landfill gas	1	PAH	Phenanthrene	A3-v1	2.80E-02	1.27E-02	5.60E-02	9.75E-03	lbs/MMcf	2	80.43	99.87	0.00
Flare, Landfill gas	1	PAH	Pyrene	A3-v1	2.23E-02	2.24E-03	5.60E-02	1.72E-03	lbs/MMcf	2	124.73	154.87	0.00
Flare, Landfill gas	1	SVOC	2-Methylnaphthalene	A3-v0	1.51E-02	1.63E-02	1.64E-02	1.26E-02	lbs/MMcf	1	14.29	35.50	0.00
Flare, Landfill gas	1	SVOC	Perylene	A3-v0	6.88E-05	7.41E-05	7.48E-05	5.73E-05	lbs/MMcf	1	14.40	35.76	0.00
Flare, Landfill gas	1	VOC	1,1,1-Trichloroethane	A2-v1	1.17E-01	8.90E-02	3.37E-01	3.15E-02	lbs/MMcf	4	78.50	56.16	0.95
Flare, Landfill gas	1	VOC	1,1-Dichloroethane	A2-v1	1.43E-01	1.04E-01	4.37E-01	4.92E-02	lbs/MMcf	3	92.75	85.78	0.66
Flare, Landfill gas	1	VOC	1,2-Dichloroethane	A2-v2	2.54E-01	5.19E-02	1.35E+00	2.46E-02	lbs/MMcf	4	165.26	118.22	0.87
Flare, Landfill gas	1	VOC	1,4-Dioxane	A3-v3	2.32E+01	1.08E-01	5.80E+01	9.63E-02	lbs/MMcf	2	136.33	169.27	0.00
Flare, Landfill gas	1	VOC	Acetaldehyde	A3-v1	2.58E-01	6.67E-02	6.53E-01	5.33E-02	lbs/MMcf	1	132.92	330.18	0.84
Flare, Landfill gas	1	VOC	Acetonitrile	A2-v2	1.60E+00	1.24E-01	7.96E+00	5.86E-02	lbs/MMcf	4	169.52	121.27	0.95
Flare, Landfill gas	1	VOC	Acrolein	A3-v0	8.44E-02	9.33E-02	9.33E-02	6.67E-02	lbs/MMcf	1	18.23	45.29	0.00
Flare, Landfill gas	1	VOC	Acrylonitrile	A3-v2	1.60E+01	2.15E+00	3.85E+01	2.60E-01	lbs/MMcf	2	127.82	158.71	0.03
Flare, Landfill gas	1	VOC	Benzene	A2-v1	1.83E-01	9.78E-02	8.59E-01	1.87E-02	lbs/MMcf	4	136.02	97.30	0.99
Flare, Landfill gas	1	VOC	Carbon Tetrachloride	A2-v0	2.39E-02	2.01E-02	3.76E-02	1.15E-02	lbs/MMcf	4	39.25	30.17	0.14

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Flare, Landfill gas	1	VOC	Chlorobenzene	A2-v1	1.51E-01	3.97E-02	8.69E-01	2.51E-02	lbs/MMcf	4	174.73	124.99	0.90
Flare, Landfill gas	1	VOC	Chloroform	A2-v0	3.22E-02	2.66E-02	5.60E-02	2.41E-02	lbs/MMcf	4	37.38	28.73	0.46
Flare, Landfill gas	1	VOC	Dichloromethane	A2-v1	2.76E+00	9.00E-01	9.41E+00	6.91E-01	lbs/MMcf	3	125.85	116.39	1.00
Flare, Landfill gas	1	VOC	Diochloromethane	A3-v0	2.74E-01	2.21E-01	4.29E-01	1.72E-01	lbs/MMcf	1	49.80	123.72	1.00
Flare, Landfill gas	1	VOC	Formaldehyde	B3-v3	2.95E+01	2.37E+01	6.74E+01	1.33E-01	lbs/MMcf	2	105.23	130.67	1.00
Flare, Landfill gas	1	VOC	Toluene	A2-v2	1.76E+01	3.11E+00	1.09E+02	4.85E-01	lbs/MMcf	4	193.61	138.50	1.00
Flare, Landfill gas	1	VOC	Trichloroethene	A2-v2	2.15E-01	2.94E-02	1.13E+00	1.99E-02	lbs/MMcf	4	171.84	132.09	0.97
Flare, Landfill gas	1	VOC	Vinyl Chloride	A2-v1	3.86E-02	3.56E-02	7.64E-02	1.64E-03	lbs/MMcf	4	79.68	57.00	0.67
Flare, Landfill gas	1	VOC	Xylene (m,p)	A2-v0	3.26E-01	3.13E-01	4.61E-01	2.33E-01	lbs/MMcf	3	22.35	20.67	1.00
Flare, Landfill gas	1	VOC	Xylene (o)	A2-v0	2.28E-01	2.01E-01	3.35E-01	1.38E-01	lbs/MMcf	3	33.89	31.35	0.80
Furnace, Alloy Stock	1	Metals	Aluminum	D3-v2	2.23E+00	2.04E-01	6.41E+00	8.09E-02	lbs/ton production	1	162.18	402.88	1.00
Furnace, Alloy Stock	1	Metals	Antimony	D3-v0	3.88E-03	3.84E-03	3.99E-03	3.80E-03	lbs/ton production	1	2.53	6.29	0.00
Furnace, Alloy Stock	1	Metals	Arsenic	D3-v1	5.36E-04	1.65E-04	1.28E-03	1.63E-04	lbs/ton production	1	120.33	298.91	1.00
Furnace, Alloy Stock	1	Metals	Barium	D3-v0	2.41E-02	3.16E-02	3.26E-02	8.26E-03	lbs/ton production	1	57.00	141.59	1.00
Furnace, Alloy Stock	1	Metals	Beryllium	D3-v0	1.96E-03	1.93E-03	2.02E-03	1.91E-03	lbs/ton production	1	2.94	7.30	0.00
Furnace, Alloy Stock	1	Metals	Cadmium	D3-v1	2.26E-03	1.11E-03	5.43E-03	2.42E-04	lbs/ton production	1	122.88	305.26	1.00
Furnace, Alloy Stock	1	Metals	Chromium (Hex)	C3-v0	6.86E-04	7.40E-04	7.72E-04	5.45E-04	lbs/ton production	1	17.89	44.44	0.00
Furnace, Alloy Stock	1	Metals	Chromium (Total)	D3-v0	2.43E-02	1.71E-02	4.07E-02	1.51E-02	lbs/ton production	1	58.67	145.74	1.00
Furnace, Alloy Stock	1	Metals	Copper	D3-v0	2.11E-01	1.92E-01	2.85E-01	1.57E-01	lbs/ton production	1	31.39	77.99	1.00
Furnace, Alloy Stock	1	Metals	Iron	D3-v0	2.01E-01	2.17E-01	2.71E-01	1.17E-01	lbs/ton production	1	38.81	96.40	1.00
Furnace, Alloy Stock	1	Metals	Lead	D3-v0	7.96E-03	8.55E-03	8.64E-03	6.69E-03	lbs/ton production	1	13.82	34.32	1.00
Furnace, Alloy Stock	1	Metals	Manganese	D3-v0	1.98E-01	1.71E-01	2.71E-01	1.51E-01	lbs/ton production	1	32.68	81.18	1.00
Furnace, Alloy Stock	1	Metals	Mercury	D3-v0	2.15E-04	1.71E-04	3.80E-04	9.47E-05	lbs/ton production	1	68.67	170.58	1.00
Furnace, Alloy Stock	1	Metals	Nickel	D3-v1	5.73E-02	2.61E-02	1.33E-01	1.28E-02	lbs/ton production	1	115.02	285.74	1.00
Furnace, Alloy Stock	1	Metals	Phosphorus	D3-v0	7.16E-02	7.27E-02	9.37E-02	4.84E-02	lbs/ton production	1	31.62	78.56	1.00
Furnace, Alloy Stock	1	Metals	Selenium	D3-v0	1.31E-04	1.29E-04	1.35E-04	1.28E-04	lbs/ton production	1	3.14	7.81	0.00
Furnace, Alloy Stock	1	Metals	Silver	D3-v0	8.31E-04	8.23E-04	8.54E-04	8.14E-04	lbs/ton production	1	2.53	6.29	1.00
Furnace, Alloy Stock	1	Metals	Thallium	D3-v0	1.57E-02	1.55E-02	1.62E-02	1.53E-02	lbs/ton production	1	3.04	7.55	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Furnace, Alloy Stock	1	Metals	Zinc	D3-v0	4.99E-02	5.70E-02	6.11E-02	3.16E-02	lbs/ton production	1	32.07	79.67	1.00
Furnace, Alloy Stock	1	VOC	Hydrogen Sulfide	C3-v0	1.64E+00	1.54E+00	1.85E+00	1.51E+00	lbs/ton production	1	11.57	28.74	0.00
Furnace, Aluminum	1	Metals	Beryllium	D3-v0	8.00E-05	8.00E-05	8.00E-05	8.00E-05	lbs/ton production	1	0.00	0.00	0.00
Furnace, Aluminum	1	Metals	Cadmium	D3-v1	4.37E-04	3.36E-04	8.48E-04	1.28E-04	lbs/ton production	1	84.73	210.48	1.00
Furnace, Aluminum	1	Metals	Copper	D3-v0	1.15E-03	1.14E-03	1.28E-03	1.04E-03	lbs/ton production	1	10.49	26.05	1.00
Furnace, Aluminum	1	Metals	Lead	D3-v0	4.48E-04	4.16E-04	5.28E-04	4.00E-04	lbs/ton production	1	15.57	38.67	1.00
Furnace, Aluminum	1	Metals	Manganese	D3-v0	1.87E-04	1.92E-04	2.24E-04	1.44E-04	lbs/ton production	1	21.57	53.59	1.00
Furnace, Aluminum	1	Metals	Nickel	D3-v0	2.51E-04	2.08E-04	3.52E-04	1.92E-04	lbs/ton production	1	35.15	87.33	1.00
Furnace, Aluminum	1	VOC	Benzene	A3-v1	1.17E-02	4.32E-03	2.64E-02	4.32E-03	lbs/ton production	1	109.14	271.13	0.75
Furnace, Aluminum	1	VOC	Formaldehyde	C3-v0	1.34E-01	1.33E-01	1.41E-01	1.27E-01	lbs/ton production	1	5.05	12.55	1.00
Furnace, Aluminum	1	VOC	Hydrogen Sulfide	C3-v0	2.90E-01	2.96E-01	2.96E-01	2.78E-01	lbs/ton production	1	3.50	8.70	1.00
Furnace, Aluminum	2	Metals	Beryllium	D3-v0	4.00E-07	4.00E-07	4.00E-07	4.00E-07	lbs/ton production	1	0.00	0.00	0.00
Furnace, Aluminum	2	Metals	Cadmium	D3-v0	1.73E-06	2.00E-06	2.00E-06	1.20E-06	lbs/ton production	1	26.65	66.19	1.00
Furnace, Aluminum	2	Metals	Copper	D3-v0	2.53E-06	2.40E-06	3.60E-06	1.60E-06	lbs/ton production	1	39.74	98.71	1.00
Furnace, Aluminum	2	Metals	Lead	D3-v0	1.33E-06	1.20E-06	1.60E-06	1.20E-06	lbs/ton production	1	17.32	43.03	1.00
Furnace, Aluminum	2	Metals	Manganese	D3-v1	6.95E-07	8.00E-07	1.20E-06	8.50E-08	lbs/ton production	1	81.28	201.91	1.00
Furnace, Aluminum	2	Metals	Nickel	D3-v0	8.00E-07	8.00E-07	1.20E-06	4.00E-07	lbs/ton production	1	50.00	124.21	1.00
Furnace, Aluminum	2	VOC	Benzene	A3-v0	8.00E-06	8.00E-06	8.00E-06	8.00E-06	lbs/ton production	1	0.00	0.00	0.00
Furnace, Aluminum	2	VOC	Formaldehyde	C3-v0	2.56E-04	2.44E-04	3.52E-04	1.72E-04	lbs/ton production	1	35.38	87.89	1.00
Furnace, Aluminum	2	VOC	Hydrogen Sulfide	C3-v0	5.47E-04	5.60E-04	5.60E-04	5.20E-04	lbs/ton production	1	4.22	10.49	1.00
Furnace, Aluminum	3	Metals	Beryllium	D3-v0	1.33E-05	1.33E-05	1.33E-05	1.33E-05	lbs/ton production	1	0.00	0.00	0.00
Furnace, Aluminum	3	Metals	Cadmium	D3-v1	1.40E-04	8.80E-05	3.17E-04	1.33E-05	lbs/ton production	1	113.52	282.00	1.00
Furnace, Aluminum	3	Metals	Copper	D3-v1	4.38E-04	3.73E-04	8.45E-04	9.60E-05	lbs/ton production	1	86.45	214.76	1.00
Furnace, Aluminum	3	Metals	Lead	D3-v0	3.14E-04	3.36E-04	3.87E-04	2.19E-04	lbs/ton production	1	27.46	68.22	1.00
Furnace, Aluminum	3	Metals	Manganese	D3-v1	1.17E-04	1.31E-04	2.08E-04	1.33E-05	lbs/ton production	1	83.54	207.52	1.00
Furnace, Aluminum	3	Metals	Nickel	D3-v1	1.35E-04	1.31E-04	2.61E-04	1.33E-05	lbs/ton production	1	91.82	228.09	1.00
Furnace, Aluminum	3	VOC	Benzene	A3-v0	5.84E-02	6.35E-02	8.51E-02	2.67E-02	lbs/ton production	1	50.56	125.60	1.00
Furnace, Aluminum	3	VOC	Formaldehyde	C3-v0	8.88E-02	8.81E-02	1.05E-01	7.34E-02	lbs/ton production	1	17.76	44.12	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Furnace, Aluminum	3	VOC	Hydrogen Sulfide	C3-v0	1.66E-01	1.67E-01	1.69E-01	1.63E-01	lbs/ton production	1	1.81	4.49	1.00
Furnace, Aluminum	4	Metals	Arsenic	D3-v0	7.52E-06	7.20E-06	8.16E-06	7.20E-06	lbs/ton production	1	7.37	18.31	0.00
Furnace, Aluminum	4	Metals	Beryllium	D3-v0	2.99E-05	2.88E-05	3.31E-05	2.78E-05	lbs/ton production	1	9.40	23.35	0.00
Furnace, Aluminum	4	Metals	Cadmium	D3-v0	4.77E-05	5.76E-05	5.76E-05	2.78E-05	lbs/ton production	1	36.04	89.52	0.81
Furnace, Aluminum	4	Metals	Chromium (Hex)	C3-v1	2.21E-05	1.65E-05	5.28E-05	4.50E-06	lbs/ton production	2	93.68	98.31	1.00
Furnace, Aluminum	4	Metals	Chromium (Total)	C3-v1	5.07E-05	2.99E-05	1.54E-04	7.62E-06	lbs/ton production	2	110.40	115.86	1.00
Furnace, Aluminum	4	Metals	Copper	D3-v0	1.22E-04	9.12E-05	2.16E-04	5.76E-05	lbs/ton production	1	68.64	170.50	1.00
Furnace, Aluminum	4	Metals	Lead	D3-v1	7.71E-04	2.98E-04	1.87E-03	1.44E-04	lbs/ton production	1	124.02	308.07	1.00
Furnace, Aluminum	4	Metals	Manganese	D3-v2	1.26E-02	3.74E-04	3.74E-02	1.20E-04	lbs/ton production	1	169.82	421.86	1.00
Furnace, Aluminum	4	Metals	Mercury	D3-v0	4.64E-06	3.12E-06	7.68E-06	3.12E-06	lbs/ton production	1	56.74	140.95	1.00
Furnace, Aluminum	4	Metals	Nickel	D3-v1	3.31E-04	1.58E-04	7.68E-04	6.72E-05	lbs/ton production	1	115.04	285.78	1.00
Furnace, Aluminum	4	Metals	Selenium	D3-v0	8.16E-06	7.20E-06	1.06E-05	6.72E-06	lbs/ton production	1	25.64	63.69	0.73
Furnace, Aluminum	4	Metals	Zinc	D3-v1	5.14E-04	4.18E-04	9.60E-04	1.63E-04	lbs/ton production	1	79.24	196.85	1.00
Furnace, Aluminum	4	VOC	Hydrogen Sulfide	C3-v0	2.32E-02	2.40E-02	2.50E-02	2.06E-02	lbs/ton production	1	9.78	24.29	1.00
Furnace, Brass/Bronze	1	Metals	Arsenic	A3-v0	3.70E-05	3.70E-05	4.11E-05	3.29E-05	lbs/ton production	1	15.71	141.18	1.00
Furnace, Brass/Bronze	1	Metals	Beryllium	A3-v0	5.76E-05	5.76E-05	5.76E-05	5.76E-05	lbs/ton production	1	0.00	0.00	0.00
Furnace, Brass/Bronze	1	Metals	Cadmium	A3-v0	4.11E-05	4.11E-05	6.58E-05	1.65E-05	lbs/ton production	1	84.85	762.37	1.00
Furnace, Brass/Bronze	1	Metals	Chromium (Hex)	C3-v0	2.29E-03	2.17E-03	2.53E-03	2.16E-03	lbs/ton production	1	9.04	22.45	0.00
Furnace, Brass/Bronze	1	Metals	Chromium (Total)	C3-v0	3.29E-04	3.29E-04	4.94E-04	1.65E-04	lbs/ton production	1	50.00	124.21	1.00
Furnace, Brass/Bronze	1	Metals	Copper	A3-v1	2.13E-03	2.57E-03	3.27E-03	5.51E-04	lbs/ton production	1	66.24	164.55	1.00
Furnace, Brass/Bronze	1	Metals	Lead	A3-v0	1.04E-03	1.02E-03	1.32E-03	7.73E-04	lbs/ton production	1	26.57	65.99	1.00
Furnace, Brass/Bronze	1	Metals	Manganese	A3-v1	3.89E-04	2.63E-04	8.23E-04	8.23E-05	lbs/ton production	1	99.12	246.24	1.00
Furnace, Brass/Bronze	1	Metals	Mercury	A3-v0	5.76E-05	5.76E-05	6.58E-05	4.94E-05	lbs/ton production	1	14.29	35.49	0.00
Furnace, Brass/Bronze	1	Metals	Nickel	A3-v0	9.10E-04	9.21E-04	9.87E-04	8.23E-04	lbs/ton production	1	9.10	22.60	0.30
Furnace, Brass/Bronze	1	Metals	Selenium	A3-v0	1.81E-04	1.81E-04	1.89E-04	1.73E-04	lbs/ton production	1	4.55	11.29	0.00
Furnace, Brass/Bronze	1	Metals	Zinc	A3-v1	1.14E-03	1.02E-03	2.03E-03	3.70E-04	lbs/ton production	1	73.41	182.36	1.00
Furnace, Carbonization	1	PAH	Acenaphthene	C3-v0	2.53E-05	2.56E-05	2.61E-05	2.41E-05	lbs/ton material	1	4.14	10.27	0.00
Furnace, Carbonization	1	PAH	Acenaphthylene	C3-v0	3.30E-05	2.56E-05	4.92E-05	2.41E-05	lbs/ton material	1	42.70	106.08	0.50

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Furnace, Carbonization	1	PAH	Anthracene	C3-v0	2.49E-05	2.46E-05	2.61E-05	2.41E-05	lbs/ton material	1	4.19	10.41	0.33
Furnace, Carbonization	1	PAH	Benzo(a)anthracene	C3-v0	2.53E-05	2.56E-05	2.61E-05	2.41E-05	lbs/ton material	1	4.14	10.27	0.00
Furnace, Carbonization	1	PAH	Benzo(a)pyrene	C3-v0	2.53E-05	2.56E-05	2.61E-05	2.41E-05	lbs/ton material	1	4.14	10.27	0.00
Furnace, Carbonization	1	PAH	Benzo(b)fluoranthene	C3-v0	2.53E-05	2.56E-05	2.61E-05	2.41E-05	lbs/ton material	1	4.14	10.27	0.00
Furnace, Carbonization	1	PAH	Benzo(g,h,i)perylene	C3-v0	2.53E-05	2.56E-05	2.61E-05	2.41E-05	lbs/ton material	1	4.14	10.27	0.00
Furnace, Carbonization	1	PAH	Benzo(k)fluoranthene	C3-v0	2.94E-05	2.56E-05	3.87E-05	2.41E-05	lbs/ton material	1	27.18	67.53	0.00
Furnace, Carbonization	1	PAH	Chrysene	C3-v0	2.63E-05	2.61E-05	2.86E-05	2.41E-05	lbs/ton material	1	8.62	21.40	0.00
Furnace, Carbonization	1	PAH	Dibenz(a,h)anthracene	C3-v0	2.53E-05	2.56E-05	2.61E-05	2.41E-05	lbs/ton material	1	4.14	10.27	0.00
Furnace, Carbonization	1	PAH	Fluoranthene	C3-v0	4.95E-05	4.37E-05	6.53E-05	3.97E-05	bs/ton material	1	27.80	69.06	1.00
Furnace, Carbonization	1	PAH	Fluorene	C3-v0	1.34E-04	9.54E-05	2.36E-04	7.03E-05	lbs/ton material	1	66.70	165.68	1.00
Furnace, Carbonization	1	PAH	Indeno(1,2,3-cd)pyrene	C3-v0	2.53E-05	2.56E-05	2.61E-05	2.41E-05	lbs/ton material	1	4.14	10.27	0.00
Furnace, Carbonization	1	PAH	Naphthalene	C3-v3	2.36E-02	1.05E-02	6.02E-02	3.36E-05	lbs/ton material	1	136.24	338.43	1.00
Furnace, Carbonization	1	PAH	Phenanthrene	C3-v0	1.62E-04	1.86E-04	2.16E-04	8.53E-05	lbs/ton material	1	42.10	104.59	1.00
Furnace, Carbonization	1	PAH	Pyrene	C3-v0	3.48E-05	3.87E-05	3.97E-05	2.61E-05	lbs/ton material	1	21.70	53.90	1.00
Furnace, Carbonization	1	SVOC	Ethylbenzene	C3-v0	1.59E-03	1.18E-03	2.41E-03	1.18E-03	lbs/ton material	1	44.80	111.30	0.00
Furnace, Carbonization	1	VOC	Benzene	C3-v0	1.55E-03	1.74E-03	1.78E-03	1.13E-03	lbs/ton material	1	23.44	58.23	0.62
Furnace, Carbonization	1	VOC	Formaldehyde	A3-v0	3.21E-02	3.32E-02	3.96E-02	2.34E-02	lbs/ton material	1	25.47	63.26	1.00
Furnace, Carbonization	1	VOC	Toluene	C3-v0	2.36E-03	1.02E-03	5.02E-03	1.02E-03	lbs/ton material	1	97.92	243.25	0.86
Furnace, Carbonization	1	VOC	Xylene (Total)	C3-v0	1.60E-03	1.18E-03	2.42E-03	1.18E-03	lbs/ton material	1	44.66	110.95	0.00
Furnace, Glass	1	Metals	Arsenic	A3-v0	3.70E-05	3.28E-05	4.64E-05	3.18E-05	lbs/ton production	1	22.09	54.88	1.00
Furnace, Glass	1	Metals	Chromium (Hex)	C3-v0	4.09E-06	4.15E-06	4.20E-06	3.93E-06	lbs/ton production	1	3.46	8.61	0.00
Furnace, Glass	1	Metals	Chromium (Total)	C3-v1	1.60E-05	7.86E-06	3.53E-05	4.98E-06	lbs/ton production	1	104.25	258.96	1.00
Furnace, Glass	2	Metals	Arsenic	C3-v1	2.28E-04	1.49E-04	5.38E-04	6.99E-05	lbs/ton production	2	84.45	88.63	1.00
Furnace, Glass	2	Metals	Chromium (Hex)	D2-v3	1.02E-03	1.87E-05	3.89E-03	2.45E-06	lbs/ton production	3	152.85	117.49	0.99
Furnace, Glass	2	Metals	Chromium (Total)	D3-v1	2.06E-04	1.86E-04	4.30E-04	7.30E-05	lbs/ton production	2	70.34	73.81	1.00
Furnace, Glass	2	Metals	Lead	E3-v0	4.61E-04	5.13E-04	5.21E-04	3.50E-04	lbs/ton production	1	20.94	52.01	1.00
Furnace, Lead	1	Metals	Antimony	D2-v1	1.26E-03	5.33E-04	4.95E-03	2.84E-04	lbs/ton charged	3	129.46	99.51	0.74
Furnace, Lead	1	Metals	Arsenic	D2-v0	5.94E-05	5.16E-05	8.84E-05	1.80E-05	lbs/ton charged	3	43.91	33.75	0.51

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Furnace, Lead	1	Metals	Barium	D2-v2	9.88E-04	2.99E-04	2.95E-03	5.05E-05	lbs/ton charged	3	125.06	96.13	1.00
Furnace, Lead	1	Metals	Beryllium	D2-v1	9.60E-05	2.69E-05	2.48E-04	1.41E-05	lbs/ton charged	3	117.72	90.49	0.00
Furnace, Lead	1	Metals	Cadmium	D2-v1	4.52E-04	1.27E-04	1.15E-03	6.70E-05	lbs/ton charged	3	114.84	88.27	0.06
Furnace, Lead	1	Metals	Chromium (Hex)	A3-v0	2.58E-07	2.55E-07	2.69E-07	2.52E-07	lbs/ton charged	1	3.39	8.42	0.00
Furnace, Lead	1	Metals	Chromium (Total)	D2-v1	7.09E-04	1.76E-04	1.67E-03	9.13E-05	lbs/ton charged	3	110.47	92.35	0.59
Furnace, Lead	1	Metals	Copper	D2-v1	1.03E-03	2.69E-04	3.17E-03	9.07E-05	lbs/ton charged	3	111.47	85.69	1.00
Furnace, Lead	1	Metals	Lead	D2-v0	2.86E-03	2.77E-03	4.57E-03	1.85E-03	lbs/ton charged	3	29.66	22.80	1.00
Furnace, Lead	1	Metals	Manganese	D2-v3	3.62E-02	1.12E-03	3.10E-01	1.31E-04	lbs/ton charged	3	283.95	218.26	1.00
Furnace, Lead	1	Metals	Mercury	D2-v1	7.01E-05	2.37E-05	2.66E-04	8.44E-06	lbs/ton charged	3	144.62	111.17	0.96
Furnace, Lead	1	Metals	Nickel	D2-v1	9.78E-04	2.89E-04	2.48E-03	1.42E-04	lbs/ton charged	3	114.16	87.75	0.13
Furnace, Lead	1	Metals	Selenium	D2-v1	6.17E-05	1.73E-05	1.59E-04	9.07E-06	lbs/ton charged	3	117.71	90.48	0.86
Furnace, Lead	1	Metals	Silver	D2-v1	3.25E-04	9.66E-05	8.33E-04	5.05E-05	lbs/ton charged	3	115.89	89.08	0.00
Furnace, Lead	1	Metals	Thallium	D2-v1	7.70E-03	2.17E-03	1.99E-02	1.14E-03	lbs/ton charged	3	117.46	90.29	0.00
Furnace, Lead	1	Metals	Zinc	D2-v1	7.14E-03	3.25E-03	2.01E-02	9.65E-04	lbs/ton charged	3	100.87	77.54	1.00
Furnace, Lead	2	Metals	Antimony	D3-v0	4.26E-04	4.08E-04	4.81E-04	3.89E-04	lbs/ton production	1	11.42	28.37	0.38
Furnace, Lead	2	Metals	Arsenic	D3-v0	7.37E-06	6.96E-06	9.00E-06	6.16E-06	lbs/ton production	1	19.83	49.26	1.00
Furnace, Lead	2	Metals	Barium	D3-v0	4.36E-04	4.25E-04	5.77E-04	3.06E-04	lbs/ton production	1	31.12	77.30	1.00
Furnace, Lead	2	Metals	Beryllium	D3-v0	1.87E-05	1.88E-05	1.95E-05	1.80E-05	lbs/ton production	1	4.00	9.95	0.00
Furnace, Lead	2	Metals	Cadmium	D3-v0	8.71E-05	8.71E-05	9.05E-05	8.37E-05	lbs/ton production	1	3.93	9.77	0.00
Furnace, Lead	2	Metals	Chromium (Hex)	A3-v0	4.84E-05	4.86E-05	4.91E-05	4.74E-05	lbs/ton production	1	1.80	4.47	0.00
Furnace, Lead	2	Metals	Chromium (Total)	D3-v0	1.26E-04	1.26E-04	1.31E-04	1.21E-04	lbs/ton production	1	3.92	9.74	0.00
Furnace, Lead	2	Metals	Copper	D3-v0	1.79E-04	1.32E-04	2.75E-04	1.30E-04	lbs/ton production	1	46.45	115.38	1.00
Furnace, Lead	2	Metals	Lead	D3-v0	1.26E-03	1.16E-03	2.05E-03	5.64E-04	lbs/ton production	1	59.62	148.10	1.00
Furnace, Lead	2	Metals	Manganese	D3-v2	1.93E-02	1.38E-02	4.39E-02	1.93E-04	lbs/ton production	1	115.94	288.02	1.00
Furnace, Lead	2	Metals	Mercury	D3-v0	6.58E-05	5.78E-05	9.24E-05	4.72E-05	lbs/ton production	1	35.98	89.37	1.00
Furnace, Lead	2	Metals	Nickel	D3-v0	1.92E-04	1.93E-04	1.95E-04	1.88E-04	lbs/ton production	1	1.96	4.88	0.00
Furnace, Lead	2	Metals	Selenium	D3-v0	1.21E-05	1.21E-05	1.25E-05	1.16E-05	lbs/ton production	1	3.92	9.75	0.00
Furnace, Lead	2	Metals	Silver	D3-v0	6.30E-05	6.30E-05	6.55E-05	6.04E-05	lbs/ton production	1	4.04	10.04	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Furnace, Lead	2	Metals	Thallium	D3-v0	1.50E-03	1.50E-03	1.56E-03	1.44E-03	lbs/ton production	1	3.88	9.63	0.00
Furnace, Lead	2	Metals	Zinc	D3-v0	1.23E-03	1.31E-03	1.38E-03	9.89E-04	lbs/ton production	1	16.90	41.99	1.00
Heater, Natural Gas	1	PAH	Acenaphthene	A3-v0	1.39E-06	1.40E-06	1.62E-06	1.15E-06	lbs/MMcf	1	16.72	41.54	0.72
Heater, Natural Gas	1	PAH	Acenaphthylene	A3-v1	1.21E-05	2.84E-06	3.23E-05	1.15E-06	lbs/MMcf	1	144.82	359.76	0.97
Heater, Natural Gas	1	PAH	Anthracene	A3-v0	1.61E-06	1.83E-06	1.85E-06	1.15E-06	lbs/MMcf	1	24.62	61.15	0.76
Heater, Natural Gas	1	PAH	Benzo(a)anthracene	A3-v0	1.96E-06	1.97E-06	2.85E-06	1.15E-06	lbs/MMcf	2	36.13	37.92	0.80
Heater, Natural Gas	1	PAH	Benzo(a)pyrene	A3-v0	9.80E-07	9.96E-07	1.18E-06	7.52E-07	lbs/MMcf	2	18.79	19.72	0.42
Heater, Natural Gas	1	PAH	Benzo(b)fluoranthene	A3-v0	1.14E-06	1.15E-06	1.18E-06	1.08E-06	lbs/MMcf	1	4.76	11.83	0.00
Heater, Natural Gas	1	PAH	Benzo(g,h,i)perylene	A3-v0	1.25E-06	1.18E-06	1.42E-06	1.15E-06	lbs/MMcf	1	11.81	29.34	0.38
Heater, Natural Gas	1	PAH	Benzo(k)fluoranthene	A3-v0	9.90E-07	9.96E-07	1.18E-06	7.52E-07	lbs/MMcf	2	17.59	18.46	0.42
Heater, Natural Gas	1	PAH	Chrysene	A3-v0	1.39E-06	1.18E-06	1.83E-06	1.15E-06	lbs/MMcf	1	27.63	68.65	0.44
Heater, Natural Gas	1	PAH	Dibenz(a,h)anthracene	A3-v0	9.17E-07	9.15E-07	1.18E-06	5.91E-07	lbs/MMcf	2	27.43	28.78	0.38
Heater, Natural Gas	1	PAH	Fluoranthene	A3-v0	1.19E-05	1.07E-05	1.79E-05	7.15E-06	lbs/MMcf	1	46.07	114.45	1.00
Heater, Natural Gas	1	PAH	Fluorene	A3-v0	4.59E-06	4.50E-06	5.82E-06	3.46E-06	lbs/MMcf	1	25.79	64.07	1.00
Heater, Natural Gas	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	1.17E-06	1.17E-06	1.50E-06	6.98E-07	lbs/MMcf	2	24.34	25.54	0.52
Heater, Natural Gas	1	PAH	Naphthalene	A3-v1	1.12E-03	9.20E-04	2.47E-03	1.94E-04	lbs/MMcf	2	90.11	94.56	1.00
Heater, Natural Gas	1	PAH	Phenanthrene	A3-v0	3.37E-05	3.31E-05	4.74E-05	2.05E-05	lbs/MMcf	1	39.96	99.27	1.00
Heater, Natural Gas	1	PAH	Pyrene	A3-v1	5.60E-06	2.84E-06	1.16E-05	2.31E-06	lbs/MMcf	1	93.70	232.75	1.00
Heater, Natural Gas	1	SVOC	Ethylbenzene	A3-v0	2.25E-03	2.25E-03	2.25E-03	2.25E-03	lbs/MMcf	1	0.00	0.00	0.00
Heater, Natural Gas	1	VOC	Acetaldehyde	A3-v1	1.40E-02	7.41E-03	5.00E-02	4.41E-03	lbs/MMcf	2	127.73	134.04	0.89
Heater, Natural Gas	1	VOC	Acrolein	A3-v0	4.84E-03	4.44E-03	1.00E-02	2.56E-03	lbs/MMcf	2	55.28	58.01	0.00
Heater, Natural Gas	1	VOC	Benzene	B3-v1	1.12E-02	6.85E-03	4.00E-02	1.65E-03	lbs/MMcf	2	131.02	137.49	0.65
Heater, Natural Gas	1	VOC	Formaldehyde	A3-v2	7.40E-02	3.27E-02	3.00E-01	4.32E-03	lbs/MMcf	2	154.79	162.44	0.98
Heater, Natural Gas	1	VOC	Propylene	B3-v2	2.35E-01	1.63E-01	6.13E-01	6.00E-03	lbs/MMcf	2	113.80	119.42	0.99
Heater, Natural Gas	1	VOC	Toluene	B3-v1	2.95E-02	2.00E-02	7.47E-02	8.37E-03	lbs/MMcf	2	83.45	87.58	1.00
Heater, Natural Gas	1	VOC	Xylene (Total)	B3-v1	1.43E-02	1.00E-02	2.97E-02	5.71E-03	lbs/MMcf	2	62.87	65.98	0.65
Heater, Natural/Ref. Gas	1	PAH	Acenaphthene	A3-v1	7.53E-06	2.44E-06	1.81E-05	2.05E-06	lbs/MMcf	1	121.63	302.15	1.00
Heater, Natural/Ref. Gas	1	PAH	Acenaphthylene	A3-v2	5.88E-05	2.32E-06	1.72E-04	2.11E-06	lbs/MMcf	1	166.69	414.08	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Heater, Natural/Ref. Gas	1	PAH	Anthracene	A3-v0	1.04E-05	8.97E-06	1.43E-05	7.89E-06	lbs/MMcf	1	33.12	82.27	1.00
Heater, Natural/Ref. Gas	1	PAH	Benzo(a)anthracene	A3-v0	9.57E-06	7.66E-06	1.67E-05	4.34E-06	lbs/MMcf	1	66.91	166.22	1.00
Heater, Natural/Ref. Gas	1	PAH	Benzo(a)pyrene	A3-v1	6.07E-06	6.67E-06	1.10E-05	5.25E-07	lbs/MMcf	1	86.79	215.60	0.97
Heater, Natural/Ref. Gas	1	PAH	Benzo(b)fluoranthene	A3-v0	2.63E-06	1.91E-06	4.19E-06	1.79E-06	lbs/MMcf	1	51.36	127.58	1.00
Heater, Natural/Ref. Gas	1	PAH	Benzo(g,h,i)perylene	A3-v1	4.13E-07	1.59E-07	9.55E-07	1.25E-07	lbs/MMcf	1	113.74	282.56	0.77
Heater, Natural/Ref. Gas	1	PAH	Benzo(k)fluoranthene	A3-v1	1.46E-06	8.35E-07	3.18E-06	3.70E-07	lbs/MMcf	1	103.06	256.01	0.92
Heater, Natural/Ref. Gas	1	PAH	Chrysene	A3-v0	7.91E-07	6.38E-07	1.24E-06	4.91E-07	lbs/MMcf	1	50.32	125.01	0.52
Heater, Natural/Ref. Gas	1	PAH	Dibenz(a,h)anthracene	A3-v0	1.38E-07	1.07E-07	2.08E-07	1.01E-07	lbs/MMcf	1	43.36	107.70	0.00
Heater, Natural/Ref. Gas	1	PAH	Fluoranthene	A3-v1	1.80E-05	1.03E-05	3.82E-05	5.49E-06	lbs/MMcf	1	98.02	243.49	1.00
Heater, Natural/Ref. Gas	1	PAH	Fluorene	A3-v1	6.48E-04	1.50E-04	1.69E-03	1.01E-04	lbs/MMcf	1	139.64	346.87	1.00
Heater, Natural/Ref. Gas	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	4.56E-07	4.04E-07	6.67E-07	2.96E-07	lbs/MMcf	1	41.87	104.01	0.49
Heater, Natural/Ref. Gas	1	PAH	Naphthalene	A3-v1	2.31E-03	4.04E-04	6.18E-03	3.45E-04	lbs/MMcf	1	145.12	360.49	1.00
Heater, Natural/Ref. Gas	1	PAH	Phenanthrene	A3-v1	2.06E-04	1.06E-04	4.30E-04	8.36E-05	lbs/MMcf	1	93.74	232.86	1.00
Heater, Natural/Ref. Gas	1	PAH	Pyrene	A3-v1	1.25E-05	7.14E-06	2.62E-05	4.04E-06	lbs/MMcf	1	96.40	239.46	1.00
Heater, Natural/Ref. Gas	1	SVOC	Phenol	A3-v0	1.72E-03	1.82E-03	2.08E-03	1.26E-03	lbs/MMcf	1	24.34	60.47	1.00
Heater, Natural/Ref. Gas	1	VOC	Acetaldehyde	C3-v0	1.47E-02	1.43E-02	1.67E-02	1.30E-02	lbs/MMcf	1	12.83	31.87	1.00
Heater, Natural/Ref. Gas	1	VOC	Acrolein	C3-v0	2.29E-03	2.10E-03	2.84E-03	1.93E-03	lbs/MMcf	1	21.23	52.74	0.00
Heater, Natural/Ref. Gas	1	VOC	Benzene	C3-v0	2.12E-02	1.99E-02	2.44E-02	1.94E-02	lbs/MMcf	1	13.02	32.34	0.00
Heater, Natural/Ref. Gas	1	VOC	Formaldehyde	C3-v1	4.33E-02	2.38E-02	8.89E-02	1.73E-02	lbs/MMcf	1	91.33	226.88	1.00
Heater, Natural/Ref. Gas	1	VOC	Propylene	C3-v0	1.20E-02	1.13E-02	1.38E-02	1.10E-02	lbs/MMcf	1	13.02	32.34	0.00
Heater, Natural/Ref. Gas	1	VOC	Toluene	C3-v0	2.63E-02	2.46E-02	3.03E-02	2.41E-02	lbs/MMcf	1	13.02	32.34	0.00
Heater, Natural/Ref. Gas	1	VOC	Xylene (Total)	C3-v0	3.03E-02	2.84E-02	3.49E-02	2.77E-02	lbs/MMcf	1	13.02	32.34	0.00
Heater, Oil	1	Dioxin/Furan	Dioxin:4D 2378	C3-v0	4.96E-10	5.94E-10	5.97E-10	2.97E-10	lbs/Mgal	1	34.70	86.20	0.00
Heater, Oil	1	Dioxin/Furan	Dioxin:5D 12378	C3-v1	2.49E-09	5.94E-10	6.57E-09	2.97E-10	lbs/Mgal	1	142.30	353.49	0.00
Heater, Oil	1	Dioxin/Furan	Dioxin:6D 123478	C3-v1	2.19E-09	5.94E-10	5.68E-09	2.97E-10	lbs/Mgal	1	138.10	343.07	0.00
Heater, Oil	1	Dioxin/Furan	Dioxin:6D 123678	C3-v1	2.99E-09	5.94E-10	8.07E-09	2.97E-10	lbs/Mgal	1	147.43	366.24	0.07
Heater, Oil	1	Dioxin/Furan	Dioxin:6D 123789	C3-v1	4.78E-09	5.94E-10	1.34E-08	2.97E-10	lbs/Mgal	1	157.08	390.20	0.04
Heater, Oil	1	Dioxin/Furan	Dioxin:7D 1234678	C3-v1	1.33E-08	4.45E-09	3.29E-08	2.68E-09	lbs/Mgal	1	127.05	315.60	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Heater, Oil	1	Dioxin/Furan	Dioxin:8D	C3-v0	4.68E-08	5.64E-08	5.97E-08	2.41E-08	lbs/Mgal	1	42.12	104.64	1.00
Heater, Oil	1	Dioxin/Furan	Furan:4F 2378	C3-v2	8.93E-08	1.48E-09	2.66E-07	5.95E-10	lbs/Mgal	1	171.19	425.26	1.00
Heater, Oil	1	Dioxin/Furan	Furan:5F 12378	C3-v2	8.56E-09	5.94E-10	2.48E-08	2.97E-10	lbs/Mgal	1	164.20	407.89	0.00
Heater, Oil	1	Dioxin/Furan	Furan:5F 23478	C3-v2	1.52E-08	5.94E-10	4.48E-08	2.97E-10	lbs/Mgal	1	168.14	417.68	0.00
Heater, Oil	1	Dioxin/Furan	Furan:6F 123478	C3-v2	1.92E-08	5.94E-10	5.68E-08	1.49E-10	lbs/Mgal	1	169.85	421.94	0.01
Heater, Oil	1	Dioxin/Furan	Furan:6F 123678	C3-v2	6.12E-09	2.97E-10	1.79E-08	1.49E-10	lbs/Mgal	1	166.91	414.62	0.02
Heater, Oil	1	Dioxin/Furan	Furan:6F 123789	C3-v0	4.96E-10	5.94E-10	5.97E-10	2.97E-10	lbs/Mgal	1	34.70	86.20	0.00
Heater, Oil	1	Dioxin/Furan	Furan:6F 234678	C3-v1	8.76E-09	8.91E-10	2.48E-08	5.95E-10	lbs/Mgal	1	158.52	393.80	0.03
Heater, Oil	1	Dioxin/Furan	Furan:7F 1234678	C3-v2	1.95E-08	1.19E-09	5.68E-08	5.95E-10	lbs/Mgal	1	165.30	410.63	1.00
Heater, Oil	1	Dioxin/Furan	Furan:7F 1234789	C3-v1	1.19E-09	5.94E-10	2.69E-09	2.97E-10	lbs/Mgal	1	109.22	271.31	0.00
Heater, Oil	1	Dioxin/Furan	Furan:8F	C3-v1	1.04E-08	4.75E-09	2.54E-08	1.19E-09	lbs/Mgal	1	125.10	310.78	1.00
Heater, Oil	1	Metals	Arsenic	D3-v0	8.34E-04	8.28E-04	8.62E-04	8.13E-04	lbs/Mgal	1	3.01	7.48	0.00
Heater, Oil	1	Metals	Beryllium	D3-v0	7.78E-05	7.64E-05	8.66E-05	7.04E-05	lbs/Mgal	1	10.51	26.11	0.00
Heater, Oil	1	Metals	Cadmium	D3-v1	8.21E-04	1.19E-03	1.23E-03	4.29E-05	lbs/Mgal	1	82.13	204.02	1.00
Heater, Oil	1	Metals	Chromium (Hex)	A3-v0	2.86E-04	3.06E-04	3.13E-04	2.39E-04	lbs/Mgal	1	14.20	35.28	0.00
Heater, Oil	1	Metals	Chromium (Total)	A3-v0	2.54E-03	2.66E-03	2.74E-03	2.22E-03	lbs/Mgal	1	11.14	27.66	1.00
Heater, Oil	1	Metals	Copper	D3-v0	2.62E-03	1.64E-03	4.58E-03	1.63E-03	lbs/Mgal	1	64.94	161.31	1.00
Heater, Oil	1	Metals	Lead	D3-v0	2.96E-04	1.79E-04	5.48E-04	1.62E-04	lbs/Mgal	1	73.61	182.86	0.62
Heater, Oil	1	Metals	Manganese	D3-v0	1.89E-03	1.79E-03	2.22E-03	1.67E-03	lbs/Mgal	1	15.12	37.57	0.39
Heater, Oil	1	Metals	Mercury	D3-v0	1.72E-05	1.29E-05	2.83E-05	1.04E-05	lbs/Mgal	1	56.41	140.14	0.00
Heater, Oil	1	Metals	Nickel	D3-v0	3.46E-01	3.47E-01	4.09E-01	2.81E-01	lbs/Mgal	1	18.57	46.12	1.00
Heater, Oil	1	Metals	Selenium	D3-v0	4.63E-03	3.96E-03	6.59E-03	3.33E-03	lbs/Mgal	1	37.32	92.71	0.00
Heater, Oil	1	Metals	Zinc	D3-v0	8.93E-03	8.35E-03	1.22E-02	6.27E-03	lbs/Mgal	1	33.43	83.04	1.00
Heater, Oil	1	PAH	Acenaphthene	C3-v1	1.75E-06	2.20E-06	2.99E-06	6.81E-08	lbs/Mgal	1	86.27	214.31	1.00
Heater, Oil	1	PAH	Acenaphthylene	C3-v0	8.02E-08	5.33E-08	1.37E-07	5.03E-08	lbs/Mgal	1	61.23	152.12	1.00
Heater, Oil	1	PAH	Anthracene	C3-v0	6.62E-08	6.81E-08	7.41E-08	5.65E-08	lbs/Mgal	1	13.48	33.49	1.00
Heater, Oil	1	PAH	Benzo(a)anthracene	C3-v2	3.84E-06	2.05E-07	1.12E-05	1.33E-07	lbs/Mgal	1	165.56	411.28	1.00
Heater, Oil	1	PAH	Benzo(a)pyrene	C3-v1	9.80E-08	8.63E-08	1.84E-07	2.40E-08	lbs/Mgal	1	82.16	204.09	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Heater, Oil	1	PAH	Benzo(b)fluoranthene	C3-v0	7.95E-07	6.37E-07	1.15E-06	5.98E-07	lbs/Mgal	1	38.74	96.24	1.00
Heater, Oil	1	PAH	Benzo(e)pyrene	C3-v0	5.54E-07	5.30E-07	7.73E-07	3.60E-07	lbs/Mgal	1	37.44	93.00	1.00
Heater, Oil	1	PAH	Benzo(g,h,i)perylene	C3-v1	2.12E-06	5.50E-07	5.57E-06	2.55E-07	lbs/Mgal	1	140.55	349.14	1.00
Heater, Oil	1	PAH	Benzo(k)fluoranthene	C3-v1	3.36E-08	2.08E-08	6.81E-08	1.18E-08	lbs/Mgal	1	90.02	223.61	1.00
Heater, Oil	1	PAH	Chrysene	C3-v1	1.12E-05	2.80E-06	2.92E-05	1.54E-06	lbs/Mgal	1	139.73	347.12	1.00
Heater, Oil	1	PAH	Dibenz(a,h)anthracene	C3-v2	1.76E-06	1.18E-07	5.09E-06	6.54E-08	lbs/Mgal	1	164.18	407.84	1.00
Heater, Oil	1	PAH	Fluoranthene	C3-v0	1.97E-06	2.28E-06	2.48E-06	1.13E-06	lbs/Mgal	1	37.09	92.13	1.00
Heater, Oil	1	PAH	Fluorene	C3-v1	7.48E-05	3.25E-05	1.67E-04	2.52E-05	lbs/Mgal	1	106.53	264.64	1.00
Heater, Oil	1	PAH	Indeno(1,2,3-cd)pyrene	C3-v1	1.81E-06	1.55E-07	5.12E-06	1.48E-07	lbs/Mgal	1	158.71	394.25	1.00
Heater, Oil	1	PAH	Naphthalene	C3-v0	8.46E-04	1.04E-03	1.11E-03	3.88E-04	lbs/Mgal	1	47.07	116.92	1.00
Heater, Oil	1	PAH	Phenanthrene	C3-v1	2.49E-05	1.18E-05	6.02E-05	2.83E-06	lbs/Mgal	1	123.75	307.42	1.00
Heater, Oil	1	PAH	Pyrene	C3-v0	1.32E-06	1.19E-06	2.14E-06	6.28E-07	lbs/Mgal	1	57.94	143.92	1.00
Heater, Oil	1	SVOC	2-Chloronaphthalene	C3-v3	1.17E-05	5.33E-08	3.50E-05	3.57E-08	lbs/Mgal	1	172.55	428.63	1.00
Heater, Oil	1	SVOC	2-Methylnaphthalene	C3-v1	3.60E-05	1.06E-05	9.29E-05	4.54E-06	lbs/Mgal	1	137.05	340.46	1.00
Heater, Oil	1	SVOC	Perylene	C3-v1	7.41E-08	3.57E-08	1.66E-07	2.07E-08	lbs/Mgal	1	107.75	267.67	1.00
Heater, Oil	1	VOC	1,3-Butadiene	A3-v0	1.95E-02	1.96E-02	2.01E-02	1.89E-02	lbs/Mgal	1	3.14	7.80	0.00
Heater, Oil	1	VOC	Acetaldehyde	C3-v0	5.43E-04	5.44E-04	5.48E-04	5.38E-04	lbs/Mgal	1	0.98	2.44	0.00
Heater, Oil	1	VOC	Acrolein	C3-v0	5.98E-04	5.99E-04	6.03E-04	5.91E-04	lbs/Mgal	1	0.95	2.35	0.00
Heater, Oil	1	VOC	Benzene	A3-v0	8.47E-03	8.49E-03	8.74E-03	8.19E-03	lbs/Mgal	1	3.22	8.01	0.00
Heater, Oil	1	VOC	Chloroform	A3-v0	8.63E-03	8.65E-03	8.88E-03	8.35E-03	lbs/Mgal	1	3.06	7.60	0.00
Heater, Oil	1	VOC	Formaldehyde	C3-v0	3.80E-03	3.81E-03	3.84E-03	3.77E-03	lbs/Mgal	1	0.95	2.37	0.00
Heater, Oil	1	VOC	Propylene	A3-v0	1.52E-02	1.52E-02	1.56E-02	1.47E-02	lbs/Mgal	1	3.01	7.48	0.00
Heater, Oil	1	VOC	Toluene	A3-v0	9.99E-03	1.00E-02	1.03E-02	9.67E-03	lbs/Mgal	1	3.06	7.60	0.00
Heater, Oil	1	VOC	Xylene (Total)	A3-v0	1.92E-02	1.92E-02	1.98E-02	1.86E-02	lbs/Mgal	1	3.21	7.97	0.00
Heater, Ref. Gas	1	Halogens	HCl	A3-v0	2.36E-01	2.46E-01	2.63E-01	1.98E-01	lbs/MMcf	1	14.20	35.28	0.00
Heater, Ref. Gas	1	Metals	Antimony	B3-v1	4.55E-04	4.46E-04	8.51E-04	7.30E-05	lbs/MMcf	2	79.51	83.44	0.94
Heater, Ref. Gas	1	Metals	Arsenic	B2-v1	8.39E-04	7.30E-04	1.69E-03	3.19E-04	lbs/MMcf	3	60.15	46.23	0.68
Heater, Ref. Gas	1	Metals	Barium	B3-v1	3.91E-03	3.90E-03	6.64E-03	1.08E-03	lbs/MMcf	2	72.44	76.02	0.17

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Heater, Ref. Gas	1	Metals	Beryllium	B2-v1	1.55E-04	1.42E-04	2.95E-04	2.92E-05	lbs/MMcf	3	71.10	54.65	0.00
Heater, Ref. Gas	1	Metals	Cadmium	B2-v0	5.96E-04	3.62E-04	1.33E-03	3.09E-04	lbs/MMcf	3	67.02	51.52	0.80
Heater, Ref. Gas	1	Metals	Chromium (Hex)	B2-v2	1.28E-03	1.27E-03	2.66E-03	2.66E-05	lbs/MMcf	4	97.07	61.67	0.50
Heater, Ref. Gas	1	Metals	Chromium (Total)	B2-v0	1.16E-03	9.44E-04	2.16E-03	4.89E-04	lbs/MMcf	4	49.48	31.44	0.62
Heater, Ref. Gas	1	Metals	Cobalt	A3-v0	2.13E-04	2.09E-04	2.60E-04	1.71E-04	lbs/MMcf	1	21.08	52.37	1.00
Heater, Ref. Gas	1	Metals	Copper	B2-v1	5.71E-03	2.16E-03	1.21E-02	1.35E-03	lbs/MMcf	3	86.64	66.60	0.92
Heater, Ref. Gas	1	Metals	Lead	B2-v1	2.47E-03	1.50E-03	8.43E-03	3.43E-04	lbs/MMcf	3	107.79	82.85	0.95
Heater, Ref. Gas	1	Metals	Manganese	B3-v1	4.63E-03	2.11E-03	1.37E-02	1.24E-03	lbs/MMcf	2	106.39	111.65	1.00
Heater, Ref. Gas	1	Metals	Mercury	B2-v1	2.41E-04	1.97E-04	5.03E-04	3.65E-05	lbs/MMcf	3	79.16	60.85	0.10
Heater, Ref. Gas	1	Metals	Nickel	B2-v1	4.95E-03	1.63E-03	2.88E-02	1.15E-03	lbs/MMcf	3	181.23	139.31	0.77
Heater, Ref. Gas	1	Metals	Phosphorus	B3-v1	9.08E-03	7.67E-03	1.90E-02	7.03E-04	lbs/MMcf	2	102.29	107.35	0.00
Heater, Ref. Gas	1	Metals	Selenium	B2-v3	4.95E-03	3.65E-04	4.24E-02	1.48E-05	lbs/MMcf	3	283.98	218.29	0.95
Heater, Ref. Gas	1	Metals	Silver	B3-v1	9.69E-04	2.53E-04	3.61E-03	8.03E-05	lbs/MMcf	2	144.07	151.19	0.94
Heater, Ref. Gas	1	Metals	Thallium	B3-v2	3.27E-03	3.19E-03	6.64E-03	3.65E-05	lbs/MMcf	2	108.13	113.47	0.00
Heater, Ref. Gas	1	Metals	Zinc	B2-v1	1.46E-02	1.53E-02	3.18E-02	2.06E-03	lbs/MMcf	3	76.78	59.02	1.00
Heater, Ref. Gas	1	PAH	Acenaphthene	A1-v2	4.08E-06	1.83E-06	2.32E-05	3.62E-07	lbs/MMcf	12	118.28	39.19	0.43
Heater, Ref. Gas	1	PAH	Acenaphthylene	A1-v2	4.00E-06	1.51E-06	3.69E-05	3.62E-07	lbs/MMcf	12	191.56	64.39	0.34
Heater, Ref. Gas	1	PAH	Anthracene	A1-v3	5.83E-06	2.22E-06	5.91E-05	4.73E-08	lbs/MMcf	12	207.19	68.64	0.34
Heater, Ref. Gas	1	PAH	Benzo(a)anthracene	A1-v3	2.02E-05	1.44E-06	3.97E-04	3.51E-07	lbs/MMcf	17	353.09	97.87	0.98
Heater, Ref. Gas	1	PAH	Benzo(a)pyrene	A1-v3	5.19E-05	1.30E-06	1.32E-03	3.51E-07	lbs/MMcf	17	478.22	132.55	0.97
Heater, Ref. Gas	1	PAH	Benzo(b)fluoranthene	A1-v3	2.51E-05	1.55E-06	6.04E-04	3.51E-07	lbs/MMcf	17	424.05	117.54	0.98
Heater, Ref. Gas	1	PAH	Benzo(e)pyrene	A1-v1	1.25E-06	1.13E-06	6.05E-06	3.51E-07	lbs/MMcf	7	97.17	44.23	0.23
Heater, Ref. Gas	1	PAH	Benzo(g,h,i)perylene	A1-v1	1.11E-06	1.14E-06	2.46E-06	3.51E-07	lbs/MMcf	12	40.96	13.57	0.05
Heater, Ref. Gas	1	PAH	Benzo(k)fluoranthene	A1-v3	1.47E-05	1.31E-06	3.40E-04	3.51E-07	lbs/MMcf	17	417.90	115.83	0.93
Heater, Ref. Gas	1	PAH	Chrysene	A1-v1	1.88E-06	1.29E-06	1.49E-05	3.51E-07	lbs/MMcf	12	134.58	44.59	0.70
Heater, Ref. Gas	1	PAH	Dibenz(a,h)anthracene	A1-v2	6.00E-06	1.29E-06	1.31E-04	3.58E-07	lbs/MMcf	17	339.62	94.14	0.00
Heater, Ref. Gas	1	PAH	Fluoranthene	A1-v2	8.71E-06	3.66E-06	5.69E-05	8.83E-07	lbs/MMcf	12	134.19	44.46	0.63
Heater, Ref. Gas	1	PAH	Fluorene	A1-v1	1.66E-05	9.13E-06	1.08E-04	2.81E-06	lbs/MMcf	12	130.79	43.33	0.34

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Heater, Ref. Gas	1	PAH	Indeno(1,2,3-cd)pyrene	A1-v3	6.06E-05	1.31E-06	1.55E-03	3.51E-07	lbs/MMcf	17	475.63	131.83	0.98
Heater, Ref. Gas	1	PAH	Naphthalene	A1-v2	4.74E-04	1.84E-04	5.17E-03	5.05E-05	lbs/MMcf	12	191.43	63.42	0.54
Heater, Ref. Gas	1	PAH	Phenanthrene	A1-v2	5.20E-05	2.17E-05	3.94E-04	7.69E-06	lbs/MMcf	12	166.44	55.14	0.36
Heater, Ref. Gas	1	PAH	Pyrene	A1-v1	6.29E-06	2.83E-06	3.45E-05	1.55E-06	lbs/MMcf	12	121.14	40.13	0.47
Heater, Ref. Gas	1	SVOC	2-Methylnaphthalene	A1-v2	7.80E-05	3.02E-05	4.92E-04	7.79E-06	lbs/MMcf	7	161.60	73.56	0.16
Heater, Ref. Gas	1	SVOC	Ethylbenzene	A1-v2	1.77E-02	3.99E-03	9.50E-02	5.94E-04	lbs/MMcf	11	147.19	50.22	0.35
Heater, Ref. Gas	1	SVOC	Perylene	A1-v1	1.02E-06	1.13E-06	2.46E-06	3.51E-07	lbs/MMcf	7	51.10	23.26	0.00
Heater, Ref. Gas	1	SVOC	Phenol	C1-v2	4.63E-03	1.69E-03	1.93E-02	2.93E-04	lbs/MMcf	7	116.58	53.06	0.92
Heater, Ref. Gas	1	VOC	Acetaldehyde	B1-v3	5.18E-02	3.14E-02	1.77E-01	1.10E-04	lbs/MMcf	15	97.95	28.62	0.48
Heater, Ref. Gas	1	VOC	Ammonia	B3-v0	1.42E-01	1.06E-01	2.33E-01	8.77E-02	lbs/MMcf	1	55.68	138.32	1.00
Heater, Ref. Gas	1	VOC	Benzene	B1-v3	4.76E-02	1.06E-02	2.76E-01	2.18E-04	lbs/MMcf	18	144.16	38.45	0.07
Heater, Ref. Gas	1	VOC	Carbonyl Sulfide	A3-v0	9.47E-01	9.56E-01	9.74E-01	9.11E-01	lbs/MMcf	1	3.39	8.43	0.00
Heater, Ref. Gas	1	VOC	Cyanide	E3-v0	6.16E-03	6.08E-03	7.09E-03	5.31E-03	lbs/MMcf	1	14.43	35.83	0.00
Heater, Ref. Gas	1	VOC	Formaldehyde	B1-v3	9.93E-02	3.07E-02	1.76E+00	7.92E-04	lbs/MMcf	15	272.08	80.39	0.91
Heater, Ref. Gas	1	VOC	Hydrogen Sulfide	A1-v2	4.45E-01	3.78E-01	1.20E+00	1.82E-02	lbs/MMcf	8	83.40	35.22	0.00
Heater, Ref. Gas	1	VOC	Propylene	A2-v0	2.05E-03	2.14E-03	2.91E-03	1.00E-03	lbs/MMcf	3	25.36	19.49	0.05
Heater, Ref. Gas	1	VOC	Toluene	B1-v3	8.39E-02	3.79E-02	1.21E+00	1.35E-03	lbs/MMcf	17	213.61	58.62	0.62
Heater, Ref. Gas	1	VOC	Xylene (m,p)	A1-v1	3.49E-03	2.47E-03	1.18E-02	5.94E-04	lbs/MMcf	6	95.10	47.29	0.83
Heater, Ref. Gas	1	VOC	Xylene (o)	A1-v2	8.80E-03	2.16E-03	1.01E-01	5.94E-04	lbs/MMcf	5	289.29	160.20	0.83
Heater, Ref. Gas	1	VOC	Xylene (Total)	A1-v1	4.16E-02	5.06E-02	9.90E-02	4.27E-03	lbs/MMcf	5	79.17	43.84	0.43
Heater, Ref. Gas	2	Halogens	HCl	A3-v0	8.13E-01	8.64E-01	1.15E+00	4.27E-01	lbs/MMcf	1	44.77	111.22	0.83
Heater, Ref. Gas	2	Metals	Arsenic	A3-v0	5.12E-04	5.10E-04	5.50E-04	4.77E-04	lbs/MMcf	1	7.16	17.80	0.00
Heater, Ref. Gas	2	Metals	Beryllium	A3-v0	2.01E-04	2.00E-04	2.17E-04	1.87E-04	lbs/MMcf	1	7.27	18.05	0.00
Heater, Ref. Gas	2	Metals	Cadmium	A3-v0	5.12E-04	5.10E-04	5.50E-04	4.77E-04	lbs/MMcf	1	7.16	17.80	0.00
Heater, Ref. Gas	2	Metals	Chromium (Hex)	C3-v1	4.71E-04	2.00E-04	1.04E-03	1.76E-04	lbs/MMcf	1	104.14	258.70	0.00
Heater, Ref. Gas	2	Metals	Chromium (Total)	C3-v0	1.92E-03	1.87E-03	2.17E-03	1.72E-03	lbs/MMcf	1	11.87	29.50	0.00
Heater, Ref. Gas	2	Metals	Copper	A3-v0	2.01E-03	2.00E-03	2.17E-03	1.87E-03	lbs/MMcf	1	7.27	18.05	0.00
Heater, Ref. Gas	2	Metals	Lead	A3-v0	9.02E-04	9.19E-04	9.28E-04	8.60E-04	lbs/MMcf	1	4.07	10.10	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Heater, Ref. Gas	2	Metals	Manganese	A3-v0	1.98E-03	2.33E-03	2.48E-03	1.13E-03	lbs/MMcf	1	37.33	92.73	1.00
Heater, Ref. Gas	2	Metals	Mercury	A3-v0	9.01E-04	8.73E-04	1.01E-03	8.17E-04	lbs/MMcf	1	11.31	28.10	0.00
Heater, Ref. Gas	2	Metals	Nickel	A3-v0	5.87E-03	5.29E-03	7.39E-03	4.95E-03	lbs/MMcf	1	22.47	55.83	1.00
Heater, Ref. Gas	2	Metals	Selenium	A3-v0	1.99E-03	2.05E-03	2.19E-03	1.72E-03	lbs/MMcf	1	12.30	30.56	1.00
Heater, Ref. Gas	2	Metals	Zinc	A3-v0	8.61E-03	8.86E-03	9.46E-03	7.52E-03	lbs/MMcf	1	11.53	28.64	1.00
Heater, Ref. Gas	2	PAH	Acenaphthene	A3-v1	1.95E-04	7.31E-05	4.60E-04	5.26E-05	lbs/MMcf	1	117.54	292.00	1.00
Heater, Ref. Gas	2	PAH	Acenaphthylene	A3-v0	8.14E-05	7.60E-05	9.83E-05	6.99E-05	lbs/MMcf	1	18.36	45.62	1.00
Heater, Ref. Gas	2	PAH	Anthracene	A3-v0	3.22E-04	3.81E-04	4.29E-04	1.55E-04	lbs/MMcf	1	45.52	113.07	1.00
Heater, Ref. Gas	2	PAH	Benzo(a)anthracene	A3-v0	1.31E-04	1.14E-04	1.87E-04	9.19E-05	lbs/MMcf	1	38.12	94.69	1.00
Heater, Ref. Gas	2	PAH	Benzo(a)pyrene	A3-v1	4.68E-05	4.68E-05	8.58E-05	7.93E-06	lbs/MMcf	1	83.13	206.52	1.00
Heater, Ref. Gas	2	PAH	Benzo(b)fluoranthene	A3-v1	3.22E-04	3.99E-04	5.26E-04	4.13E-05	lbs/MMcf	1	78.02	193.82	1.00
Heater, Ref. Gas	2	PAH	Benzo(e)pyrene	A3-v1	1.80E-04	2.37E-04	2.82E-04	2.07E-05	lbs/MMcf	1	77.68	192.97	1.00
Heater, Ref. Gas	2	PAH	Benzo(g,h,i)perylene	A3-v0	2.64E-05	2.64E-05	3.51E-05	1.77E-05	lbs/MMcf	1	32.85	81.60	1.00
Heater, Ref. Gas	2	PAH	Benzo(k)fluoranthene	A3-v1	1.01E-04	1.16E-04	1.72E-04	1.58E-05	lbs/MMcf	1	78.05	193.90	1.00
Heater, Ref. Gas	2	PAH	Chrysene	A3-v0	4.76E-04	5.26E-04	5.52E-04	3.49E-04	lbs/MMcf	1	23.17	57.56	1.00
Heater, Ref. Gas	2	PAH	Dibenz(a,h)anthracene	A3-v1	1.63E-05	1.81E-05	2.92E-05	1.58E-06	lbs/MMcf	1	85.29	211.88	0.97
Heater, Ref. Gas	2	PAH	Fluoranthene	A3-v0	7.73E-04	6.67E-04	1.01E-03	6.43E-04	lbs/MMcf	1	26.55	65.94	1.00
Heater, Ref. Gas	2	PAH	Fluorene	A3-v1	1.99E-03	5.71E-04	5.21E-03	1.93E-04	lbs/MMcf	1	140.33	348.59	1.00
Heater, Ref. Gas	2	PAH	Indeno(1,2,3-cd)pyrene	A3-v1	2.69E-05	2.67E-05	5.26E-05	1.58E-06	lbs/MMcf	1	94.63	235.08	0.98
Heater, Ref. Gas	2	PAH	Naphthalene	A3-v0	1.25E-02	1.24E-02	1.87E-02	6.43E-03	lbs/MMcf	1	49.20	122.21	1.00
Heater, Ref. Gas	2	PAH	Phenanthrene	A3-v0	1.52E-03	1.36E-03	2.11E-03	1.08E-03	lbs/MMcf	1	35.00	86.94	1.00
Heater, Ref. Gas	2	PAH	Pyrene	A3-v1	9.37E-04	9.03E-04	1.63E-03	2.79E-04	lbs/MMcf	1	72.08	179.05	1.00
Heater, Ref. Gas	2	SVOC	2-Methylnaphthalene	A3-v0	2.29E-03	2.10E-03	3.68E-03	1.08E-03	lbs/MMcf	1	57.11	141.86	1.00
Heater, Ref. Gas	2	SVOC	Ethylbenzene	A3-v0	9.46E-02	9.46E-02	9.46E-02	9.46E-02	lbs/MMcf	1	0.00	0.00	0.00
Heater, Ref. Gas	2	SVOC	Perylene	A3-v0	1.62E-05	1.30E-05	2.84E-05	7.36E-06	lbs/MMcf	1	66.90	166.19	0.73
Heater, Ref. Gas	2	SVOC	Phenol	B3-v1	2.23E-02	1.25E-02	6.99E-02	5.84E-03	lbs/MMcf	2	110.10	115.55	0.91
Heater, Ref. Gas	2	VOC	1,1,1-Trichloroethane	A3-v0	5.80E-02	5.80E-02	5.80E-02	5.80E-02	lbs/MMcf	1	0.00	0.00	0.00
Heater, Ref. Gas	2	VOC	1,2-Dichloroethane	A3-v0	1.85E+00	1.85E+00	1.85E+00	1.85E+00	lbs/MMcf	1	0.00	0.00	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Heater, Ref. Gas	2	VOC	Acetaldehyde	A3-v1	5.05E-02	5.06E-02	9.78E-02	4.77E-03	lbs/MMcf	2	95.50	100.22	0.39
Heater, Ref. Gas	2	VOC	Ammonia	B3-v0	2.76E+00	2.99E+00	3.33E+00	1.96E+00	lbs/MMcf	1	25.87	64.27	1.00
Heater, Ref. Gas	2	VOC	Benzene	B3-v0	2.14E-01	1.61E-01	4.09E-01	1.48E-01	lbs/MMcf	2	47.74	50.10	0.63
Heater, Ref. Gas	2	VOC	Carbon Tetrachloride	A3-v0	1.48E-02	1.68E-02	1.68E-02	1.08E-02	lbs/MMcf	1	23.58	58.57	0.00
Heater, Ref. Gas	2	VOC	Carbonyl Sulfide	A3-v0	2.16E+00	2.25E+00	2.43E+00	1.81E+00	lbs/MMcf	1	14.76	36.66	0.00
Heater, Ref. Gas	2	VOC	Chloroform	A3-v0	5.19E-02	5.19E-02	5.19E-02	5.19E-02	lbs/MMcf	1	0.00	0.00	0.00
Heater, Ref. Gas	2	VOC	Cyanide	E3-v0	1.24E-02	1.37E-02	1.42E-02	9.28E-03	lbs/MMcf	1	21.72	53.96	0.00
Heater, Ref. Gas	2	VOC	Formaldehyde	A3-v1	1.88E+00	1.65E+00	3.80E+00	1.90E-01	lbs/MMcf	1	96.70	240.22	0.97
Heater, Ref. Gas	2	VOC	Hydrogen Sulfide	A3-v1	9.33E-01	7.98E-01	1.90E+00	1.61E-01	lbs/MMcf	2	91.13	95.63	0.00
Heater, Ref. Gas	2	VOC	Methylene Chloride	A3-v0	2.18E+00	2.18E+00	2.18E+00	2.18E+00	lbs/MMcf	1	0.00	0.00	0.00
Heater, Ref. Gas	2	VOC	Tetrachloroethene	A3-v0	1.18E-02	1.18E-02	1.18E-02	1.18E-02	lbs/MMcf	1	0.00	0.00	0.00
Heater, Ref. Gas	2	VOC	Toluene	C3-v0	1.33E-01	1.28E-01	1.93E-01	8.17E-02	lbs/MMcf	2	42.48	44.58	0.00
Heater, Ref. Gas	2	VOC	Trichloroethene	A3-v0	5.13E-02	5.13E-02	5.13E-02	5.13E-02	lbs/MMcf	1	0.00	0.00	0.00
Heater, Ref. Gas	2	VOC	Trichlorofluoromethane	A3-v0	8.90E-03	8.90E-03	8.90E-03	8.90E-03	lbs/MMcf	1	0.00	0.00	0.00
Heater, Ref. Gas	2	VOC	Xylene (Total)	A3-v0	1.42E-01	9.46E-02	2.36E-01	9.46E-02	lbs/MMcf	1	57.49	142.81	0.00
ICE, Diesel	1	PAH	Acenaphthene	B3-v0	4.71E-04	3.62E-04	8.67E-04	2.72E-04	lbs/Mgal	2	52.37	54.96	1.00
ICE, Diesel	1	PAH	Acenaphthylene	B3-v0	1.09E-03	1.17E-03	1.32E-03	7.56E-04	lbs/Mgal	2	22.61	23.73	1.00
ICE, Diesel	1	PAH	Anthracene	B3-v0	1.79E-04	1.54E-04	2.89E-04	8.61E-05	lbs/Mgal	2	43.47	45.61	1.00
ICE, Diesel	1	PAH	Benzo(a)anthracene	B3-v1	5.03E-05	4.89E-05	9.69E-05	8.44E-06	lbs/Mgal	2	81.10	85.11	1.00
ICE, Diesel	1	PAH	Benzo(a)pyrene	B3-v2	1.81E-05	1.05E-05	4.77E-05	8.24E-07	lbs/Mgal	2	115.27	120.97	0.44
ICE, Diesel	1	PAH	Benzo(b)fluoranthene	B3-v1	7.96E-05	6.63E-05	1.92E-04	4.72E-06	lbs/Mgal	2	105.09	110.28	0.30
ICE, Diesel	1	PAH	Benzo(g,h,i)perylene	B3-v2	3.89E-05	3.51E-05	8.30E-05	8.24E-07	lbs/Mgal	2	107.69	113.01	0.99
ICE, Diesel	1	PAH	Benzo(k)fluoranthene	B3-v2	1.56E-05	5.09E-06	6.92E-05	8.24E-07	lbs/Mgal	2	171.85	180.35	0.74
ICE, Diesel	1	PAH	Chrysene	B3-v2	1.06E-04	9.32E-05	2.28E-04	1.06E-06	lbs/Mgal	2	109.03	114.42	1.00
ICE, Diesel	1	PAH	Dibenz(a,h)anthracene	B3-v2	2.43E-05	2.35E-05	5.07E-05	8.24E-07	lbs/Mgal	2	105.82	111.05	0.00
ICE, Diesel	1	PAH	Fluoranthene	B3-v0	3.73E-04	3.79E-04	5.84E-04	1.69E-04	lbs/Mgal	2	54.05	56.72	1.00
ICE, Diesel	1	PAH	Fluorene	B3-v0	1.28E-03	1.31E-03	1.81E-03	7.16E-04	lbs/Mgal	2	42.47	44.57	1.00
ICE, Diesel	1	PAH	Indeno(1,2,3-cd)pyrene	B3-v2	2.89E-05	2.35E-05	6.61E-05	8.24E-07	lbs/Mgal	2	108.49	113.86	0.34

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
ICE, Diesel	1	PAH	Naphthalene	B3-v0	1.63E-02	1.72E-02	1.85E-02	1.24E-02	lbs/Mgal	2	14.91	15.64	1.00
ICE, Diesel	1	PAH	Phenanthrene	B3-v0	3.96E-03	4.17E-03	5.76E-03	1.89E-03	lbs/Mgal	2	46.88	49.19	1.00
ICE, Diesel	1	PAH	Pyrene	B3-v1	2.90E-04	2.89E-04	5.60E-04	2.95E-05	lbs/Mgal	2	84.76	88.94	1.00
ICE, Diesel	1	VOC	Acetaldehyde	A3-v0	3.47E-03	2.25E-03	6.46E-03	1.69E-03	lbs/Mgal	1	75.34	187.15	1.00
ICE, Diesel	1	VOC	Acrolein	A3-v0	1.07E-03	7.15E-04	1.79E-03	7.15E-04	lbs/Mgal	1	57.74	143.42	0.56
ICE, Diesel	1	VOC	Benzene	A3-v0	1.01E-01	9.93E-02	1.04E-01	9.93E-02	lbs/Mgal	1	2.71	6.72	1.00
ICE, Diesel	1	VOC	Formaldehyde	A3-v1	1.32E-02	1.29E-02	2.63E-02	1.74E-03	lbs/Mgal	2	70.70	74.20	1.00
ICE, Diesel	1	VOC	Propylene	A3-v0	3.85E-01	4.03E-01	4.03E-01	3.49E-01	lbs/Mgal	1	8.06	20.01	1.00
ICE, Diesel	1	VOC	Toluene	A3-v0	3.74E-02	3.70E-02	3.87E-02	3.64E-02	lbs/Mgal	1	3.27	8.12	1.00
ICE, Diesel	1	VOC	Xylene (Total)	A3-v0	2.68E-02	2.70E-02	2.77E-02	2.57E-02	lbs/Mgal	1	3.85	9.57	1.00
ICE, Diesel	2	PAH	Acenaphthene	B3-v1	8.71E-04	3.30E-04	3.59E-03	2.80E-04	lbs/Mgal	2	153.18	160.76	0.84
ICE, Diesel	2	PAH	Acenaphthylene	B3-v1	9.45E-04	8.61E-04	2.05E-03	2.80E-04	lbs/Mgal	2	77.77	81.61	0.90
ICE, Diesel	2	PAH	Anthracene	B3-v0	2.67E-04	2.80E-04	2.86E-04	2.36E-04	lbs/Mgal	2	8.73	9.16	0.47
ICE, Diesel	2	PAH	Benzo(a)anthracene	B3-v2	1.42E-04	1.42E-04	2.80E-04	2.64E-06	lbs/Mgal	2	106.95	112.24	0.01
ICE, Diesel	2	PAH	Benzo(a)pyrene	B3-v3	1.40E-04	1.40E-04	2.80E-04	5.27E-07	lbs/Mgal	2	109.13	114.52	0.00
ICE, Diesel	2	PAH	Benzo(b)fluoranthene	B3-v1	1.44E-04	1.44E-04	2.80E-04	7.39E-06	lbs/Mgal	2	103.58	108.70	0.03
ICE, Diesel	2	PAH	Benzo(g,h,i)perylene	B3-v2	1.42E-04	1.42E-04	2.80E-04	3.84E-06	lbs/Mgal	2	106.23	111.48	0.02
ICE, Diesel	2	PAH	Benzo(k)fluoranthene	B3-v2	1.41E-04	1.41E-04	2.80E-04	8.45E-07	lbs/Mgal	2	108.58	113.95	0.00
ICE, Diesel	2	PAH	Chrysene	B3-v1	1.53E-04	1.54E-04	2.80E-04	2.27E-05	lbs/Mgal	2	90.69	95.17	0.09
ICE, Diesel	2	PAH	Dibenz(a,h)anthracene	B3-v3	1.40E-04	1.40E-04	2.80E-04	5.27E-07	lbs/Mgal	2	109.13	114.52	0.00
ICE, Diesel	2	PAH	Fluoranthene	B3-v0	2.84E-04	2.80E-04	3.30E-04	2.57E-04	lbs/Mgal	2	8.42	8.84	0.51
ICE, Diesel	2	PAH	Fluorene	B3-v0	6.49E-04	5.90E-04	1.24E-03	2.80E-04	lbs/Mgal	2	65.14	68.36	0.78
ICE, Diesel	2	PAH	Indeno(1,2,3-cd)pyrene	B3-v2	1.40E-04	1.41E-04	2.80E-04	7.55E-07	lbs/Mgal	2	108.84	114.22	0.00
ICE, Diesel	2	PAH	Naphthalene	B3-v1	1.56E-02	1.48E-02	3.19E-02	2.28E-03	lbs/Mgal	2	89.99	94.44	1.00
ICE, Diesel	2	PAH	Phenanthrene	B3-v2	3.11E-03	2.89E-03	6.48E-03	8.00E-05	lbs/Mgal	2	98.67	103.55	1.00
ICE, Diesel	2	PAH	Pyrene	B3-v0	2.37E-04	2.60E-04	2.80E-04	1.57E-04	lbs/Mgal	2	22.88	24.01	0.41
ICE, Diesel	2	SVOC	Ethylbenzene	C3-v0	6.76E-03	6.64E-03	8.03E-03	5.60E-03	lbs/Mgal	1	18.09	44.94	1.00
ICE, Diesel	2	VOC	Benzene	C3-v0	2.85E-01	2.79E-01	3.30E-01	2.44E-01	lbs/Mgal	1	15.21	37.80	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
ICE, Diesel	2	VOC	Formaldehyde	B3-v1	8.79E-02	7.33E-02	1.76E-01	1.46E-02	lbs/Mgal	2	77.77	81.61	1.00
ICE, Diesel	2	VOC	Hexane	C3-v0	1.39E-03	1.45E-03	1.47E-03	1.24E-03	lbs/Mgal	1	9.06	22.51	0.00
ICE, Diesel	2	VOC	Propylene	C3-v0	2.97E-01	2.90E-01	3.45E-01	2.55E-01	lbs/Mgal	1	15.30	38.00	1.00
ICE, Diesel	2	VOC	Toluene	C3-v0	8.50E-02	8.05E-02	1.11E-01	6.37E-02	lbs/Mgal	1	28.04	69.66	1.00
ICE, Diesel	2	VOC	Xylene (Total)	C3-v0	1.51E-02	1.74E-02	2.06E-02	7.32E-03	lbs/Mgal	1	45.85	113.90	1.00
ICE, Diesel	3	PAH	Acenaphthene	C3-v3	3.35E-03	3.35E-03	6.72E-03	2.76E-06	lbs/Mgal	2	109.45	114.86	0.00
ICE, Diesel	3	PAH	Acenaphthylene	C3-v3	3.35E-03	3.35E-03	6.72E-03	2.76E-06	lbs/Mgal	2	109.45	114.86	0.00
ICE, Diesel	3	PAH	Anthracene	C3-v1	4.02E-03	4.12E-03	6.72E-03	1.12E-03	lbs/Mgal	2	73.24	76.86	0.17
ICE, Diesel	3	PAH	Benzo(a)anthracene	C3-v1	3.90E-03	3.91E-03	6.72E-03	1.10E-03	lbs/Mgal	2	78.42	82.30	0.14
ICE, Diesel	3	PAH	Benzo(a)pyrene	C3-v3	3.35E-03	3.35E-03	6.72E-03	2.76E-06	lbs/Mgal	2	109.45	114.86	0.00
ICE, Diesel	3	PAH	Benzo(b)fluoranthene	C3-v0	6.70E-03	6.69E-03	6.72E-03	6.69E-03	lbs/Mgal	1	0.27	0.68	0.00
ICE, Diesel	3	PAH	Benzo(b+k)fluoranthene	C3-v0	2.85E-06	2.81E-06	2.98E-06	2.76E-06	lbs/Mgal	1	4.05	10.05	0.00
ICE, Diesel	3	PAH	Benzo(g,h,i)perylene	C3-v1	3.52E-03	3.53E-03	6.72E-03	2.59E-04	lbs/Mgal	2	99.01	103.90	0.05
ICE, Diesel	3	PAH	Benzo(k)fluoranthene	C3-v0	6.70E-03	6.69E-03	6.72E-03	6.69E-03	lbs/Mgal	1	0.27	0.68	0.00
ICE, Diesel	3	PAH	Chrysene	C3-v1	3.58E-03	3.60E-03	6.72E-03	4.09E-04	lbs/Mgal	2	95.47	100.19	0.06
ICE, Diesel	3	PAH	Dibenz(a,h)anthracene	C3-v1	3.49E-03	3.52E-03	6.72E-03	2.25E-04	lbs/Mgal	2	100.62	105.60	0.04
ICE, Diesel	3	PAH	Fluoranthene	C3-v1	4.00E-03	4.06E-03	6.72E-03	1.11E-03	lbs/Mgal	2	74.09	77.75	0.16
ICE, Diesel	3	PAH	Fluorene	C3-v1	2.11E-02	1.27E-02	4.34E-02	6.72E-03	lbs/Mgal	2	76.44	80.22	0.95
ICE, Diesel	3	PAH	Indeno(1,2,3-cd)pyrene	C3-v1	3.46E-03	3.47E-03	6.72E-03	2.02E-04	lbs/Mgal	2	102.44	107.50	0.03
ICE, Diesel	3	PAH	Naphthalene	C3-v1	5.64E-02	5.17E-02	1.03E-01	1.66E-02	lbs/Mgal	2	73.72	77.37	1.00
ICE, Diesel	3	PAH	Phenanthrene	C3-v1	3.90E-02	3.13E-02	8.68E-02	1.33E-02	lbs/Mgal	2	76.66	80.45	1.00
ICE, Diesel	3	PAH	Pyrene	C3-v0	8.42E-03	7.18E-03	1.47E-02	6.69E-03	lbs/Mgal	2	36.92	38.75	0.73
ICE, Diesel	3	VOC	Benzene	C3-v0	3.25E-02	3.29E-02	3.64E-02	2.81E-02	lbs/Mgal	1	12.86	31.93	1.00
ICE, Diesel	3	VOC	Formaldehyde	B3-v2	1.11E+00	1.08E+00	2.23E+00	3.23E-02	lbs/Mgal	2	102.99	108.08	1.00
ICE, Diesel	4	PAH	Acenaphthene	B2-v4	3.14E-03	2.64E-04	2.04E-02	1.41E-06	lbs/Mgal	3	210.34	161.68	1.00
ICE, Diesel	4	PAH	Acenaphthylene	B2-v4	4.07E-03	1.72E-03	1.47E-02	1.41E-06	lbs/Mgal	3	135.61	104.24	1.00
ICE, Diesel	4	PAH	Anthracene	B2-v2	8.48E-04	3.03E-04	2.56E-03	3.11E-05	lbs/Mgal	3	113.05	86.90	1.00
ICE, Diesel	4	PAH	Benzo(a)anthracene	B2-v1	2.34E-04	2.45E-04	6.75E-04	1.55E-05	lbs/Mgal	3	82.91	63.73	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
ICE, Diesel	4	PAH	Benzo(a)pyrene	B2-v1	1.81E-05	2.10E-06	5.83E-05	1.41E-06	lbs/Mgal	3	139.83	107.48	0.03
ICE, Diesel	4	PAH	Benzo(b)fluoranthene	B3-v1	8.66E-05	8.86E-05	1.63E-04	1.17E-05	lbs/Mgal	2	78.09	81.95	0.93
ICE, Diesel	4	PAH	Benzo(b+k)fluoranthene	C3-v0	1.44E-06	1.45E-06	1.46E-06	1.41E-06	lbs/Mgal	1	1.90	4.71	0.00
ICE, Diesel	4	PAH	Benzo(g,h,i)perylene	B2-v1	4.94E-05	4.29E-05	1.55E-04	7.14E-06	lbs/Mgal	3	95.94	73.75	0.48
ICE, Diesel	4	PAH	Benzo(k)fluoranthene	B3-v0	3.28E-05	2.83E-05	6.22E-05	1.60E-05	lbs/Mgal	2	53.02	55.65	0.68
ICE, Diesel	4	PAH	Chrysene	B2-v0	5.30E-05	5.41E-05	7.33E-05	2.72E-05	lbs/Mgal	3	29.72	22.84	1.00
ICE, Diesel	4	PAH	Dibenz(a,h)anthracene	B2-v2	5.50E-05	5.05E-05	1.44E-04	1.75E-06	lbs/Mgal	3	92.94	71.44	0.36
ICE, Diesel	4	PAH	Fluoranthene	B2-v1	1.33E-03	1.57E-03	2.70E-03	6.99E-05	lbs/Mgal	3	65.01	49.97	1.00
ICE, Diesel	4	PAH	Fluorene	B2-v1	5.52E-03	6.75E-03	1.05E-02	2.10E-04	lbs/Mgal	3	68.98	53.02	1.00
ICE, Diesel	4	PAH	Indeno(1,2,3-cd)pyrene	B2-v1	4.63E-05	3.25E-05	1.32E-04	7.00E-06	lbs/Mgal	3	109.00	83.79	0.35
ICE, Diesel	4	PAH	Naphthalene	B2-v1	5.44E-02	1.25E-02	1.58E-01	5.92E-03	lbs/Mgal	3	119.29	91.69	1.00
ICE, Diesel	4	PAH	Phenanthrene	B2-v2	9.47E-03	5.82E-03	2.31E-02	3.11E-04	lbs/Mgal	3	90.25	69.37	1.00
ICE, Diesel	4	PAH	Pyrene	B2-v1	9.02E-04	1.01E-03	1.44E-03	1.17E-04	lbs/Mgal	3	49.81	38.29	1.00
ICE, Diesel	4	SVOC	Benzaldehyde	A3-v0	1.26E-02	1.24E-02	1.35E-02	1.20E-02	lbs/Mgal	1	6.29	15.64	0.68
ICE, Diesel	4	VOC	1,3-Butadiene	C3-v0	5.41E-03	5.41E-03	5.41E-03	5.41E-03	lbs/Mgal	1	0.00	0.00	0.00
ICE, Diesel	4	VOC	Acetaldehyde	A3-v0	1.07E-01	1.07E-01	1.52E-01	5.82E-02	lbs/Mgal	2	43.11	45.24	1.00
ICE, Diesel	4	VOC	Acrolein	A3-v0	1.30E-02	8.43E-03	3.16E-02	6.62E-03	lbs/Mgal	2	74.07	77.73	0.82
ICE, Diesel	4	VOC	Benzene	B3-v0	1.22E-01	1.13E-01	1.91E-01	6.57E-02	lbs/Mgal	2	48.35	50.74	1.00
ICE, Diesel	4	VOC	Formaldehyde	A2-v1	1.16E-01	9.03E-02	3.35E-01	9.66E-03	lbs/Mgal	3	90.24	69.36	1.00
ICE, Diesel	4	VOC	Propylene	B3-v0	3.58E-01	3.38E-01	5.83E-01	1.45E-01	lbs/Mgal	2	56.61	59.41	1.00
ICE, Diesel	4	VOC	Toluene	B3-v0	5.50E-02	5.49E-02	7.56E-02	3.44E-02	lbs/Mgal	2	38.06	39.94	1.00
ICE, Diesel	4	VOC	Xylene (m,p)	C3-v0	2.16E-02	2.09E-02	2.40E-02	1.98E-02	lbs/Mgal	1	10.07	25.02	1.00
ICE, Diesel	4	VOC	Xylene (o)	C3-v0	2.09E-02	2.09E-02	2.09E-02	2.09E-02	lbs/Mgal	1	0.00	0.00	0.00
ICE, Diesel	4	VOC	Xylene (Total)	A3-v0	3.59E-02	4.44E-02	4.44E-02	1.88E-02	lbs/Mgal	1	41.24	102.44	1.00
ICE, Diesel	5	VOC	Ammonia	B3-v0	4.85E+00	4.85E+00	5.39E+00	4.30E+00	lbs/Mgal	1	15.98	143.54	1.00
ICE, Field Gas	1	VOC	Benzene	A2-v0	1.72E+00	2.07E+00	2.24E+00	9.25E-01	lbs/MMcf	3	35.58	37.33	1.00
ICE, Field Gas	1	VOC	Formaldehyde	A2-v1	4.15E+01	3.14E+01	9.78E+01	4.62E+00	lbs/MMcf	3	76.73	58.98	1.00
ICE, Field Gas	1	VOC	Propylene	A2-v0	1.59E+01	1.84E+01	2.02E+01	9.48E+00	lbs/MMcf	3	30.49	32.00	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
ICE, Field Gas	1	VOC	Toluene	A2-v0	7.68E-01	9.38E-01	1.17E+00	2.69E-01	lbs/MMcf	3	51.12	53.65	1.00
ICE, Field Gas	1	VOC	Xylene (m,p)	A2-v1	3.02E-01	1.90E-01	9.03E-01	7.74E-02	lbs/MMcf	3	99.71	104.64	1.00
ICE, Field Gas	1	VOC	Xylene (o)	A2-v0	8.97E-02	9.57E-02	1.22E-01	6.13E-02	lbs/MMcf	3	25.60	26.87	1.00
ICE, Field Gas	2	VOC	Benzene	A3-v0	1.31E+01	1.31E+01	1.36E+01	1.25E+01	lbs/MMcf	1	5.89	52.94	1.00
ICE, Field Gas	2	VOC	Formaldehyde	A3-v0	7.60E+01	7.25E+01	8.53E+01	7.01E+01	lbs/MMcf	1	10.80	26.83	1.00
ICE, Field Gas	2	VOC	Propylene	A3-v0	4.02E+01	4.02E+01	4.02E+01	4.02E+01	lbs/MMcf	1	0.00	0.00	1.00
ICE, Field Gas	2	VOC	Toluene	A3-v0	4.83E+00	4.83E+00	5.74E+00	3.92E+00	lbs/MMcf	1	26.70	239.91	1.00
ICE, Field Gas	2	VOC	Xylene (m,p)	A3-v0	1.13E+00	1.13E+00	1.25E+00	1.01E+00	lbs/MMcf	1	14.63	131.44	1.00
ICE, Field Gas	2	VOC	Xylene (o)	A3-v0	5.64E-01	5.64E-01	5.91E-01	5.37E-01	lbs/MMcf	1	6.83	61.34	1.00
ICE, Field Gas	4	VOC	Benzene	A3-v0	1.10E+01	1.10E+01	1.11E+01	1.09E+01	lbs/MMcf	1	1.15	10.33	1.00
ICE, Field Gas	4	VOC	Formaldehyde	A3-v0	5.05E+00	4.65E+00	5.98E+00	4.53E+00	lbs/MMcf	1	15.91	39.52	1.00
ICE, Field Gas	4	VOC	Propylene	A3-v0	3.04E+00	3.04E+00	3.04E+00	3.04E+00	lbs/MMcf	1	0.00	0.00	0.00
ICE, Field Gas	4	VOC	Toluene	A3-v0	3.44E+00	3.44E+00	3.55E+00	3.33E+00	lbs/MMcf	1	4.56	40.99	1.00
ICE, Field Gas	4	VOC	Xylene (m,p)	A3-v0	5.37E-01	5.37E-01	5.62E-01	5.11E-01	lbs/MMcf	1	6.73	60.51	1.00
ICE, Field Gas	4	VOC	Xylene (o)	A3-v0	2.68E-01	2.68E-01	2.81E-01	2.56E-01	lbs/MMcf	1	6.73	60.51	1.00
ICE, Field Gas	5	PAH	Acenaphthene	A3-v0	7.41E-04	7.41E-04	1.08E-03	4.00E-04	lbs/MMcf	1	65.08	584.68	0.00
ICE, Field Gas	5	PAH	Acenaphthylene	A3-v0	1.11E-02	1.11E-02	1.57E-02	6.44E-03	lbs/MMcf	1	59.06	530.66	1.00
ICE, Field Gas	5	PAH	Anthracene	A3-v0	4.50E-03	4.50E-03	6.67E-03	2.34E-03	lbs/MMcf	1	67.84	609.52	1.00
ICE, Field Gas	5	PAH	Benzo(a)anthracene	A3-v0	8.97E-04	8.97E-04	9.11E-04	8.83E-04	lbs/MMcf	1	2.17	19.50	1.00
ICE, Field Gas	5	PAH	Benzo(a)pyrene	A3-v1	8.75E-04	8.75E-04	1.53E-03	2.16E-04	lbs/MMcf	1	106.44	956.35	0.00
ICE, Field Gas	5	PAH	Benzo(b)fluoranthene	A3-v0	1.48E-04	1.48E-04	1.71E-04	1.24E-04	lbs/MMcf	1	22.41	201.32	0.00
ICE, Field Gas	5	PAH	Benzo(g,h,i)perylene	A3-v0	9.40E-05	9.40E-05	9.92E-05	8.89E-05	lbs/MMcf	1	7.74	69.50	0.00
ICE, Field Gas	5	PAH	Benzo(k)fluoranthene	A3-v0	4.57E-03	4.57E-03	4.69E-03	4.44E-03	lbs/MMcf	1	3.78	33.93	1.00
ICE, Field Gas	5	PAH	Chrysene	A3-v0	1.69E-03	1.69E-03	1.80E-03	1.58E-03	lbs/MMcf	1	9.43	84.71	1.00
ICE, Field Gas	5	PAH	Dibenz(a,h)anthracene	A3-v0	7.70E-05	7.70E-05	8.29E-05	7.11E-05	lbs/MMcf	1	10.86	97.62	0.00
ICE, Field Gas	5	PAH	Fluoranthene	A3-v0	1.66E-04	1.66E-04	2.16E-04	1.16E-04	lbs/MMcf	1	42.96	385.95	0.00
ICE, Field Gas	5	PAH	Fluorene	A3-v0	2.44E-03	2.44E-03	3.61E-03	1.27E-03	lbs/MMcf	1	67.90	610.07	0.00
ICE, Field Gas	5	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	1.37E-04	1.37E-04	1.46E-04	1.29E-04	lbs/MMcf	1	8.83	79.35	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
ICE, Field Gas	5	PAH	Naphthalene	A3-v0	2.19E-01	2.19E-01	2.22E-01	2.16E-01	lbs/MMcf	1	1.88	16.92	1.00
ICE, Field Gas	5	PAH	Phenanthrene	A3-v0	4.91E-03	4.91E-03	6.49E-03	3.33E-03	lbs/MMcf	1	45.46	408.44	1.00
ICE, Field Gas	5	PAH	Pyrene	A3-v0	2.39E-04	2.39E-04	3.06E-04	1.71E-04	lbs/MMcf	1	40.10	360.26	0.64
ICE, Field Gas	5	VOC	Acetaldehyde	A3-v0	8.77E+00	9.42E+00	1.14E+01	5.53E+00	lbs/MMcf	1	33.90	84.22	1.00
ICE, Field Gas	5	VOC	Acrolein	A3-v1	2.00E+00	1.44E+00	4.36E+00	2.00E-01	lbs/MMcf	1	106.79	265.28	1.00
ICE, Field Gas	5	VOC	Benzene	A3-v0	4.39E+00	4.33E+00	4.60E+00	4.23E+00	lbs/MMcf	1	4.34	10.79	1.00
ICE, Field Gas	5	VOC	Formaldehyde	A3-v1	2.58E+01	7.45E+00	6.56E+01	4.21E+00	lbs/MMcf	1	134.14	333.23	1.00
ICE, Field Gas	5	VOC	Propylene	A3-v0	1.47E+01	1.50E+01	1.77E+01	1.14E+01	lbs/MMcf	1	21.50	53.41	1.00
ICE, Field Gas	5	VOC	Toluene	A3-v1	1.54E+00	2.03E+00	2.36E+00	2.23E-01	lbs/MMcf	1	74.82	185.86	1.00
ICE, Field Gas	5	VOC	Xylene (m,p)	A3-v0	2.54E-01	2.57E-01	3.17E-01	1.89E-01	lbs/MMcf	1	25.26	62.75	1.00
ICE, Field Gas	5	VOC	Xylene (o)	A3-v0	1.03E-01	1.06E-01	1.36E-01	6.80E-02	lbs/MMcf	1	32.99	81.96	1.00
ICE, Landfill Gas	1	Halogens	HCl	C3-v0	1.50E+00	1.57E+00	2.07E+00	8.62E-01	lbs/MMcf	2	39.55	41.50	1.00
ICE, Landfill Gas	1	PAH	Acenaphthene	B3-v3	1.65E-04	1.80E-04	3.01E-04	1.11E-07	lbs/MMcf	2	82.13	130.69	0.37
ICE, Landfill Gas	1	PAH	Acenaphthylene	B3-v3	4.33E-04	8.14E-05	1.23E-03	1.03E-06	lbs/MMcf	2	140.91	147.87	1.00
ICE, Landfill Gas	1	PAH	Anthracene	B3-v5	1.71E-04	1.55E-04	3.71E-04	1.14E-09	lbs/MMcf	2	110.02	115.45	0.30
ICE, Landfill Gas	1	PAH	Benzo(a)anthracene	A3-v0	2.24E-04	2.06E-04	2.88E-04	1.78E-04	lbs/MMcf	1	25.49	63.33	0.00
ICE, Landfill Gas	1	PAH	Benzo(a)pyrene	B3-v4	3.29E-04	3.20E-04	6.77E-04	1.30E-07	lbs/MMcf	2	89.94	143.12	0.86
ICE, Landfill Gas	1	PAH	Benzo(b)fluoranthene	B3-v3	2.93E-04	3.26E-04	8.00E-04	5.34E-07	lbs/MMcf	2	112.09	139.17	0.23
ICE, Landfill Gas	1	PAH	Benzo(g,h,i)perylene	B3-v3	3.76E-04	2.84E-04	8.54E-04	4.19E-07	lbs/MMcf	2	107.36	133.31	1.00
ICE, Landfill Gas	1	PAH	Benzo(k)fluoranthene	A3-v0	4.26E-04	4.12E-04	6.77E-04	1.90E-04	lbs/MMcf	1	57.15	141.98	0.15
ICE, Landfill Gas	1	PAH	Chrysene	A3-v0	3.10E-04	3.38E-04	3.42E-04	2.51E-04	lbs/MMcf	1	16.62	41.28	0.00
ICE, Landfill Gas	1	PAH	Dibenz(a,h)anthracene	A3-v0	1.82E-05	1.91E-05	2.37E-05	1.17E-05	lbs/MMcf	1	33.33	82.79	0.00
ICE, Landfill Gas	1	PAH	Fluoranthene	B3-v3	1.00E-03	6.47E-04	2.48E-03	1.07E-06	lbs/MMcf	2	116.40	122.16	1.00
ICE, Landfill Gas	1	PAH	Fluorene	B3-v3	3.68E-04	5.24E-04	6.99E-04	3.37E-07	lbs/MMcf	2	92.74	115.15	1.00
ICE, Landfill Gas	1	PAH	Indeno(1,2,3-cd)pyrene	B3-v3	1.38E-04	1.27E-04	3.14E-04	1.60E-07	lbs/MMcf	2	103.35	128.33	1.00
ICE, Landfill Gas	1	PAH	Naphthalene	B3-v3	2.18E-02	1.82E-02	5.05E-02	2.25E-05	lbs/MMcf	2	110.82	116.30	1.00
ICE, Landfill Gas	1	PAH	Phenanthrene	B3-v3	2.51E-03	2.00E-03	5.82E-03	1.64E-06	lbs/MMcf	2	111.92	117.46	1.00
ICE, Landfill Gas	1	PAH	Pyrene	B3-v3	1.87E-03	1.23E-03	4.66E-03	1.81E-06	lbs/MMcf	2	116.04	121.78	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
ICE, Landfill Gas	1	VOC	Benzene	C3-v0	1.75E-01	1.82E-01	2.09E-01	1.16E-01	lbs/MMcf	2	22.65	23.77	1.00
ICE, Landfill Gas	1	VOC	Carbon Tetrachloride	C3-v0	7.78E-03	7.78E-03	7.89E-03	7.67E-03	lbs/MMcf	2	1.55	1.63	0.00
ICE, Landfill Gas	1	VOC	Chloroform	C3-v0	6.02E-03	6.02E-03	6.11E-03	5.94E-03	lbs/MMcf	2	1.55	1.63	0.00
ICE, Landfill Gas	1	VOC	Ethylene dibromide	C3-v0	9.51E-03	9.51E-03	9.64E-03	9.37E-03	lbs/MMcf	2	1.55	1.63	0.00
ICE, Landfill Gas	1	VOC	Ethylene dichloride	C3-v0	5.01E-03	5.01E-03	5.08E-03	4.94E-03	lbs/MMcf	2	1.55	1.63	0.00
ICE, Landfill Gas	1	VOC	Formaldehyde	C3-v2	1.29E+00	6.95E-01	4.47E+00	5.70E-02	lbs/MMcf	2	127.39	133.69	1.00
ICE, Landfill Gas	1	VOC	Methyl Chloroform	C3-v0	1.00E-02	6.75E-03	2.64E-02	6.66E-03	lbs/MMcf	2	80.11	84.07	0.44
ICE, Landfill Gas	1	VOC	Methylene Chloride	C3-v2	2.23E-01	2.11E-01	4.66E-01	8.72E-03	lbs/MMcf	2	88.27	92.63	0.99
ICE, Landfill Gas	1	VOC	Perchloroethylene	C3-v0	1.26E-02	1.26E-02	1.28E-02	1.24E-02	lbs/MMcf	2	1.55	1.63	0.00
ICE, Landfill Gas	1	VOC	Trichloroethylene	C3-v0	8.31E-03	8.31E-03	8.43E-03	8.19E-03	lbs/MMcf	2	1.55	1.63	0.00
ICE, Landfill Gas	1	VOC	Vinyl Chloride	C3-v0	3.95E-03	3.95E-03	4.01E-03	3.90E-03	lbs/MMcf	2	1.55	1.63	0.00
ICE, Natural Gas	1	PAH	Acenaphthene	A3-v0	7.17E-04	6.36E-04	9.60E-04	5.57E-04	lbs/MMcf	1	29.79	74.00	1.00
ICE, Natural Gas	1	PAH	Acenaphthylene	A3-v0	7.59E-03	7.65E-03	1.07E-02	4.40E-03	lbs/MMcf	1	41.56	103.24	1.00
ICE, Natural Gas	1	PAH	Anthracene	A3-v0	2.56E-04	2.40E-04	3.69E-04	1.60E-04	lbs/MMcf	1	41.20	102.34	1.00
ICE, Natural Gas	1	PAH	Benzo(a)anthracene	A3-v0	7.78E-05	7.83E-05	9.60E-05	5.91E-05	lbs/MMcf	1	23.70	58.87	1.00
ICE, Natural Gas	1	PAH	Benzo(a)pyrene	A3-v0	3.55E-05	2.93E-05	5.17E-05	2.54E-05	lbs/MMcf	1	39.97	99.29	0.76
ICE, Natural Gas	1	PAH	Benzo(b)fluoranthene	A3-v2	3.27E-04	4.43E-05	9.29E-04	6.26E-06	lbs/MMcf	1	159.90	397.22	0.95
ICE, Natural Gas	1	PAH	Benzo(g,h,i)perylene	A3-v1	1.03E-04	2.93E-05	2.58E-04	2.09E-05	lbs/MMcf	1	131.00	325.43	1.00
ICE, Natural Gas	1	PAH	Benzo(k)fluoranthene	A3-v1	5.30E-04	4.87E-04	1.07E-03	3.08E-05	lbs/MMcf	1	98.44	244.54	0.98
ICE, Natural Gas	1	PAH	Chrysene	A3-v0	9.64E-05	1.11E-04	1.12E-04	6.61E-05	lbs/MMcf	1	27.27	67.75	1.00
ICE, Natural Gas	1	PAH	Dibenz(a,h)anthracene	A3-v0	1.09E-05	1.11E-05	1.47E-05	6.96E-06	lbs/MMcf	1	35.41	87.97	1.00
ICE, Natural Gas	1	PAH	Fluoranthene	A3-v0	2.50E-04	2.64E-04	3.32E-04	1.53E-04	lbs/MMcf	1	36.21	89.96	1.00
ICE, Natural Gas	1	PAH	Fluorene	A3-v0	4.60E-04	4.16E-04	6.28E-04	3.37E-04	lbs/MMcf	1	32.63	81.05	0.00
ICE, Natural Gas	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v1	1.20E-04	3.91E-05	2.95E-04	2.43E-05	lbs/MMcf	1	127.40	316.47	1.00
ICE, Natural Gas	1	PAH	Naphthalene	A3-v1	1.22E-01	1.60E-01	1.86E-01	1.99E-02	lbs/MMcf	1	73.21	181.87	1.00
ICE, Natural Gas	1	PAH	Phenanthrene	A3-v0	8.93E-04	8.31E-04	1.26E-03	5.91E-04	lbs/MMcf	1	37.66	93.56	1.00
ICE, Natural Gas	1	PAH	Pyrene	A3-v0	1.23E-04	1.42E-04	1.62E-04	6.61E-05	lbs/MMcf	1	41.10	102.10	1.00
ICE, Natural Gas	1	VOC	Acetaldehyde	A1-v1	3.99E+00	2.96E+00	9.94E+00	1.52E+00	lbs/MMcf	5	64.91	35.94	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
ICE, Natural Gas	1	VOC	Acrolein	A1-v1	1.63E+00	1.10E+00	5.48E+00	2.01E-01	lbs/MMcf	5	92.02	53.13	1.00
ICE, Natural Gas	1	VOC	Benzene	A1-v1	1.21E+00	1.22E+00	2.47E+00	2.47E-01	lbs/MMcf	7	47.28	27.30	1.00
ICE, Natural Gas	1	VOC	Formaldehyde	A1-v0	2.87E+01	2.77E+01	4.79E+01	9.68E+00	lbs/MMcf	7	38.56	17.55	1.00
ICE, Natural Gas	1	VOC	Propylene	A1-v1	1.87E+01	8.81E+00	5.85E+01	4.12E+00	lbs/MMcf	7	109.05	62.96	0.97
ICE, Natural Gas	1	VOC	Toluene	A1-v0	4.12E-01	3.96E-01	5.70E-01	1.65E-01	lbs/MMcf	7	33.98	19.62	1.00
ICE, Natural Gas	1	VOC	Xylene (m,p)	A1-v0	8.63E-02	8.13E-02	1.59E-01	3.53E-02	lbs/MMcf	7	46.27	26.72	1.00
ICE, Natural Gas	1	VOC	Xylene (o)	A1-v1	4.94E-02	4.95E-02	9.14E-02	1.06E-02	lbs/MMcf	7	39.52	22.82	0.95
ICE, Natural Gas	2	PAH	Acenaphthene	A3-v0	1.94E-03	1.32E-03	3.39E-03	1.11E-03	lbs/MMcf	1	64.90	161.23	1.00
ICE, Natural Gas	2	PAH	Acenaphthylene	A3-v0	1.45E-02	1.45E-02	1.62E-02	1.27E-02	lbs/MMcf	1	12.00	29.81	1.00
ICE, Natural Gas	2	PAH	Anthracene	A3-v0	1.84E-03	1.77E-03	2.26E-03	1.48E-03	lbs/MMcf	1	21.34	53.01	1.00
ICE, Natural Gas	2	PAH	Benzo(a)anthracene	A3-v0	2.94E-04	2.82E-04	3.39E-04	2.60E-04	lbs/MMcf	1	13.89	34.51	1.00
ICE, Natural Gas	2	PAH	Benzo(a)pyrene	A3-v0	1.15E-04	1.04E-04	1.51E-04	9.01E-05	lbs/MMcf	1	27.70	68.80	1.00
ICE, Natural Gas	2	PAH	Benzo(b)fluoranthene	A3-v0	2.37E-04	2.07E-04	3.01E-04	2.04E-04	lbs/MMcf	1	23.27	57.81	1.00
ICE, Natural Gas	2	PAH	Benzo(g,h,i)perylene	A3-v0	1.95E-04	1.81E-04	2.45E-04	1.59E-04	lbs/MMcf	1	22.89	56.85	1.00
ICE, Natural Gas	2	PAH	Benzo(k)fluoranthene	A3-v0	1.03E-04	1.13E-04	1.17E-04	7.91E-05	lbs/MMcf	1	20.11	49.97	1.00
ICE, Natural Gas	2	PAH	Chrysene	A3-v0	3.10E-04	2.91E-04	3.95E-04	2.45E-04	lbs/MMcf	1	24.83	61.68	1.00
ICE, Natural Gas	2	PAH	Dibenz(a,h)anthracene	A3-v0	1.25E-05	1.17E-05	1.45E-05	1.14E-05	lbs/MMcf	1	13.71	34.06	1.00
ICE, Natural Gas	2	PAH	Fluoranthene	A3-v0	9.95E-04	9.60E-04	1.20E-03	8.21E-04	lbs/MMcf	1	19.50	48.45	1.00
ICE, Natural Gas	2	PAH	Fluorene	A3-v0	6.91E-03	6.62E-03	9.04E-03	5.08E-03	lbs/MMcf	1	28.82	71.59	1.00
ICE, Natural Gas	2	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	1.69E-04	1.60E-04	2.07E-04	1.40E-04	lbs/MMcf	1	20.25	50.31	1.00
ICE, Natural Gas	2	PAH	Naphthalene	A3-v0	7.65E-02	8.47E-02	8.66E-02	5.83E-02	lbs/MMcf	1	20.68	51.38	1.00
ICE, Natural Gas	2	PAH	Phenanthrene	A3-v0	7.07E-03	7.34E-03	8.85E-03	5.03E-03	lbs/MMcf	1	27.15	67.45	1.00
ICE, Natural Gas	2	PAH	Pyrene	A3-v0	1.79E-03	1.54E-03	2.64E-03	1.19E-03	lbs/MMcf	1	42.04	104.42	1.00
ICE, Natural Gas	2	SVOC	Ethylbenzene	C3-v0	1.16E-02	1.23E-02	1.44E-02	8.21E-03	lbs/MMcf	1	26.96	66.96	1.00
ICE, Natural Gas	2	VOC	1,3-Butadiene	A3-v0	1.04E-01	1.05E-01	1.05E-01	1.04E-01	lbs/MMcf	1	0.38	0.93	1.00
ICE, Natural Gas	2	VOC	Acetaldehyde	A3-v1	8.83E-01	8.34E-01	1.82E+00	5.18E-02	lbs/MMcf	2	102.49	107.56	1.00
ICE, Natural Gas	2	VOC	Acrolein	A2-v3	5.47E-01	6.14E-01	1.37E+00	2.59E-03	lbs/MMcf	3	83.56	64.23	1.00
ICE, Natural Gas	2	VOC	Benzene	C2-v3	1.91E+00	1.29E-01	1.02E+01	1.38E-02	lbs/MMcf	4	206.43	138.68	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
ICE, Natural Gas	2	VOC	Formaldehyde	B1-v3	2.35E+00	4.21E-01	1.14E+01	2.03E-02	lbs/MMcf	5	173.64	96.16	1.00
ICE, Natural Gas	2	VOC	Propylene	B3-v2	1.60E+01	4.39E-01	4.20E+01	2.87E-01	lbs/MMcf	2	134.24	166.68	1.00
ICE, Natural Gas	2	VOC	Toluene	B3-v1	1.07E+00	1.09E-01	2.62E+00	9.44E-02	lbs/MMcf	2	123.82	153.75	1.00
ICE, Natural Gas	2	VOC	Xylene (m,p)	A3-v0	4.41E-01	4.41E-01	4.54E-01	4.28E-01	lbs/MMcf	1	4.04	36.30	1.00
ICE, Natural Gas	2	VOC	Xylene (o)	A3-v0	2.17E-01	2.17E-01	2.22E-01	2.12E-01	lbs/MMcf	1	3.29	29.55	1.00
ICE, Natural Gas	2	VOC	Xylene (Total)	C3-v0	6.02E-02	6.77E-02	7.38E-02	3.90E-02	lbs/MMcf	1	30.93	76.84	1.00
ICE, Natural Gas	3	PAH	Acenaphthene	A3-v0	1.51E-04	1.56E-04	2.17E-04	9.58E-05	lbs/MMcf	2	33.63	35.29	1.00
ICE, Natural Gas	3	PAH	Acenaphthylene	A3-v0	5.25E-04	5.16E-04	7.35E-04	3.58E-04	lbs/MMcf	2	23.88	25.06	1.00
ICE, Natural Gas	3	PAH	Anthracene	A3-v0	1.19E-04	1.13E-04	1.71E-04	6.28E-05	lbs/MMcf	2	32.95	34.58	1.00
ICE, Natural Gas	3	PAH	Benzo(a)anthracene	A3-v0	5.88E-05	5.03E-05	9.92E-05	2.61E-05	lbs/MMcf	2	56.36	59.14	1.00
ICE, Natural Gas	3	PAH	Benzo(a)pyrene	A3-v0	2.70E-06	2.52E-06	3.88E-06	1.84E-06	lbs/MMcf	2	35.83	37.60	0.00
ICE, Natural Gas	3	PAH	Benzo(b)fluoranthene	A3-v1	4.09E-05	3.49E-05	7.98E-05	1.22E-05	lbs/MMcf	2	56.71	59.51	1.00
ICE, Natural Gas	3	PAH	Benzo(g,h,i)perylene	A3-v1	7.54E-06	6.81E-06	1.71E-05	1.84E-06	lbs/MMcf	2	80.22	84.19	0.92
ICE, Natural Gas	3	PAH	Benzo(k)fluoranthene	A3-v0	7.83E-06	8.54E-06	1.21E-05	3.19E-06	lbs/MMcf	2	45.21	47.44	0.93
ICE, Natural Gas	3	PAH	Chrysene	A3-v1	1.43E-05	1.58E-05	2.25E-05	3.19E-06	lbs/MMcf	2	50.42	52.91	0.96
ICE, Natural Gas	3	PAH	Dibenz(a,h)anthracene	A3-v0	2.70E-06	2.52E-06	3.88E-06	1.84E-06	lbs/MMcf	2	35.83	37.60	0.00
ICE, Natural Gas	3	PAH	Fluoranthene	A3-v0	2.91E-04	2.99E-04	4.57E-04	1.29E-04	lbs/MMcf	2	50.10	52.58	1.00
ICE, Natural Gas	3	PAH	Fluorene	A3-v0	4.36E-04	3.49E-04	7.98E-04	1.92E-04	lbs/MMcf	2	58.05	60.92	1.00
ICE, Natural Gas	3	PAH	Indeno(1,2,3-cd)pyrene	A3-v1	7.17E-06	8.06E-06	1.09E-05	1.85E-06	lbs/MMcf	2	43.57	45.72	0.96
ICE, Natural Gas	3	PAH	Naphthalene	A3-v0	2.51E-02	2.34E-02	3.10E-02	2.07E-02	lbs/MMcf	2	18.15	19.05	1.00
ICE, Natural Gas	3	PAH	Phenanthrene	A3-v0	1.85E-03	1.80E-03	2.75E-03	1.11E-03	lbs/MMcf	2	37.16	39.00	1.00
ICE, Natural Gas	3	PAH	Pyrene	A3-v0	1.87E-04	1.91E-04	3.26E-04	6.65E-05	lbs/MMcf	2	49.82	52.28	1.00
ICE, Natural Gas	3	SVOC	Ethylbenzene	C3-v0	7.11E-02	7.00E-02	1.15E-01	2.59E-02	lbs/MMcf	2	50.37	52.86	1.00
ICE, Natural Gas	3	VOC	1,3-Butadiene	A3-v0	3.67E-01	3.78E-01	4.15E-01	2.76E-01	lbs/MMcf	2	14.65	15.37	1.00
ICE, Natural Gas	3	VOC	Acetaldehyde	A3-v2	5.29E-01	3.92E-02	2.62E+00	2.08E-02	lbs/MMcf	2	196.36	206.07	0.96
ICE, Natural Gas	3	VOC	Acrolein	A3-v1	5.90E-02	3.92E-02	1.61E-01	2.08E-02	lbs/MMcf	2	88.08	92.43	0.45
ICE, Natural Gas	3	VOC	Benzene	C3-v0	2.18E-01	2.12E-01	2.59E-01	1.83E-01	lbs/MMcf	2	12.23	12.83	1.00
ICE, Natural Gas	3	VOC	Formaldehyde	B2-v3	4.71E+00	3.65E-01	2.09E+01	1.56E-02	lbs/MMcf	3	157.78	121.28	0.97

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
ICE, Natural Gas	3	VOC	Propylene	C3-v0	5.38E+00	4.25E+00	1.21E+01	3.56E+00	lbs/MMcf	2	61.42	64.46	1.00
ICE, Natural Gas	3	VOC	Toluene	C3-v0	2.39E-01	2.59E-01	3.94E-01	9.08E-02	lbs/MMcf	2	46.93	49.25	1.00
ICE, Natural Gas	3	VOC	Xylene (Total)	C3-v0	6.46E-01	6.85E-01	9.65E-01	2.46E-01	lbs/MMcf	2	45.98	48.25	1.00
ICE, Natural Gas	4	SVOC	Ethylbenzene	C3-v0	6.46E-02	6.46E-02	6.46E-02	6.46E-02	lbs/MMcf	1	0.00	0.00	0.00
ICE, Natural Gas	4	VOC	Benzene	C3-v0	2.95E-01	2.89E-01	3.34E-01	2.62E-01	lbs/MMcf	1	12.37	30.73	1.00
ICE, Natural Gas	4	VOC	Formaldehyde	C2-v1	5.15E+00	7.20E-01	2.14E+01	5.98E-01	lbs/MMcf	3	145.69	111.99	0.91
ICE, Natural Gas	4	VOC	Toluene	C3-v0	1.89E-01	1.23E-01	3.37E-01	1.08E-01	lbs/MMcf	1	67.56	167.83	1.00
ICE, Natural Gas	4	VOC	Xylene (Total)	C3-v0	1.29E-01	1.29E-01	1.29E-01	1.29E-01	lbs/MMcf	1	0.00	0.00	0.00
ICE, Natural Gas	5	VOC	Benzene	C3-v1	7.39E-02	7.19E-02	1.38E-01	1.47E-02	lbs/MMcf	2	77.27	81.09	1.00
ICE, Natural Gas	5	VOC	Formaldehyde	A3-v2	4.99E-02	1.86E-02	1.40E-01	1.43E-03	lbs/MMcf	2	126.22	132.46	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:4D 2378	A3-v0	1.16E-09	9.45E-10	1.89E-09	6.45E-10	lbs/ton	1	56.01	139.14	0.54
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:4D Total	A3-v1	1.40E-07	4.64E-08	3.42E-07	3.16E-08	lbs/ton	1	125.03	310.60	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:5D 12378	A3-v0	4.64E-09	3.78E-09	7.83E-09	2.32E-09	lbs/ton	1	61.45	152.66	0.83
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:5D Total	A3-v1	1.34E-07	1.41E-07	2.41E-07	2.03E-08	lbs/ton	1	82.38	204.65	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:6D 123478	A3-v0	2.48E-09	3.04E-09	3.17E-09	1.23E-09	lbs/ton	1	43.87	108.97	0.84
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:6D 123678	A3-v1	4.17E-09	5.67E-09	5.81E-09	1.03E-09	lbs/ton	1	65.18	161.93	0.92
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:6D 123789	A3-v0	3.47E-09	4.39E-09	4.79E-09	1.23E-09	lbs/ton	1	56.31	139.88	0.88
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:6D Total	A3-v0	9.72E-08	1.05E-07	1.11E-07	7.55E-08	lbs/ton	1	19.53	48.52	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:7D 1234678	A3-v1	1.17E-08	1.40E-08	1.77E-08	3.48E-09	lbs/ton	1	62.85	156.13	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:7D Total	A3-v1	2.28E-08	2.61E-08	3.58E-08	6.64E-09	lbs/ton	1	64.95	161.35	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Dioxin:8D	A3-v0	1.72E-08	1.77E-08	2.81E-08	5.81E-09	lbs/ton	1	64.84	161.07	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:4F 2378	A3-v1	3.56E-09	2.30E-09	7.22E-09	1.16E-09	lbs/ton	1	90.53	224.90	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:4F Total	A3-v1	4.47E-07	3.58E-07	8.64E-07	1.19E-07	lbs/ton	1	85.17	211.58	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:5F 12378	A3-v1	8.01E-09	5.06E-09	1.61E-08	2.90E-09	lbs/ton	1	88.13	218.92	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:5F 23478	A3-v1	1.33E-08	1.03E-08	2.61E-08	3.48E-09	lbs/ton	1	87.23	216.69	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:5F Total	A3-v1	1.74E-07	1.58E-07	3.21E-07	4.35E-08	lbs/ton	1	80.14	199.07	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:6F 123478	A3-v1	7.32E-09	5.87E-09	1.34E-08	2.64E-09	lbs/ton	1	75.68	188.00	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:6F 123678	A3-v0	7.62E-09	6.35E-09	1.30E-08	3.48E-09	lbs/ton	1	64.29	159.71	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:6F 123789	A3-v1	3.38E-09	2.09E-09	7.22E-09	8.39E-10	lbs/ton	1	99.94	248.26	0.92
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:6F 234678	A3-v1	9.81E-09	8.84E-09	1.77E-08	2.90E-09	lbs/ton	1	75.83	188.36	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:6F Total	A3-v1	8.09E-08	8.24E-08	1.34E-07	2.61E-08	lbs/ton	1	66.86	166.10	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:7F 1234678	A3-v0	1.52E-08	1.85E-08	2.00E-08	6.97E-09	lbs/ton	1	47.11	117.03	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:7F 1234789	A3-v0	4.41E-09	5.60E-09	5.87E-09	1.74E-09	lbs/ton	1	52.46	130.31	0.87
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:7F Total	A3-v0	9.37E-08	8.84E-08	1.24E-07	6.82E-08	lbs/ton	1	30.44	75.62	1.00
Incinerator, Medical Waste	1	Dioxin/Furan	Furan:8F	A3-v0	7.84E-09	8.84E-09	1.09E-08	3.74E-09	lbs/ton	1	47.20	117.26	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:4D 2378	A3-v1	5.67E-10	1.61E-10	1.43E-09	1.09E-10	lbs/ton	1	132.12	328.20	0.84
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:4D Total	A3-v2	2.13E-07	4.41E-09	6.32E-07	2.11E-09	lbs/ton	1	170.56	423.68	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:5D 12378	A3-v1	2.17E-09	8.70E-10	5.49E-09	1.50E-10	lbs/ton	1	133.49	331.62	0.98
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:5D Total	A3-v2	5.67E-08	1.28E-08	1.55E-07	2.21E-09	lbs/ton	1	150.62	374.17	0.99
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:6D 123478	A3-v1	1.28E-09	7.20E-10	2.74E-09	3.61E-10	lbs/ton	1	100.79	250.37	0.91
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:6D 123678	A3-v1	1.98E-09	1.51E-09	4.18E-09	2.51E-10	lbs/ton	1	101.31	251.66	0.96
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:6D 123789	A3-v1	1.27E-09	8.70E-10	2.63E-09	3.01E-10	lbs/ton	1	95.73	237.80	0.92
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:6D Total	A3-v2	4.12E-08	2.67E-08	9.55E-08	1.40E-09	lbs/ton	1	118.18	293.58	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:7D 1234678	A3-v1	6.26E-09	4.87E-09	1.31E-08	7.82E-10	lbs/ton	1	100.42	249.46	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:7D Total	A3-v1	1.60E-08	1.28E-08	3.34E-08	1.71E-09	lbs/ton	1	100.82	250.46	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Dioxin:8D	A3-v0	9.13E-09	7.22E-09	1.55E-08	4.64E-09	lbs/ton	1	62.23	154.60	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:4F 2378	A3-v2	2.39E-08	1.74E-09	6.92E-08	6.42E-10	lbs/ton	1	164.57	408.82	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:4F Total	A3-v2	1.75E-06	9.40E-08	5.13E-06	3.51E-08	lbs/ton	1	166.84	414.44	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:5F 12378	A3-v2	2.77E-08	2.90E-09	7.99E-08	3.21E-10	lbs/ton	1	163.20	405.42	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:5F 23478	A3-v2	5.01E-08	6.73E-09	1.43E-07	5.02E-10	lbs/ton	1	160.83	399.53	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:5F Total	A3-v2	7.40E-07	6.50E-08	2.15E-06	8.23E-09	lbs/ton	1	164.68	409.10	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:6F 123478	A3-v3	6.11E-08	4.06E-09	1.79E-07	3.41E-10	lbs/ton	1	166.99	414.84	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:6F 123678	A3-v2	5.79E-08	6.38E-09	1.67E-07	3.71E-10	lbs/ton	1	163.19	405.39	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:6F 123789	A3-v2	6.29E-09	8.12E-10	1.79E-08	1.50E-10	lbs/ton	1	160.03	397.53	0.99
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:6F 234678	A3-v2	3.55E-08	7.20E-09	9.90E-08	4.01E-10	lbs/ton	1	154.99	385.02	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:6F Total	A3-v3	6.18E-07	6.27E-08	1.79E-06	2.31E-09	lbs/ton	1	164.18	407.84	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:7F 1234678	A3-v3	1.55E-07	9.87E-09	4.53E-07	5.92E-10	lbs/ton	1	167.38	415.78	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:7F 1234789	A3-v2	8.29E-09	8.70E-10	2.39E-08	1.20E-10	lbs/ton	1	162.91	404.69	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:7F Total	A3-v3	2.12E-07	1.39E-08	6.20E-07	5.92E-10	lbs/ton	1	167.29	415.58	1.00
Incinerator, Medical Waste	2	Dioxin/Furan	Furan:8F	A3-v2	1.21E-08	2.79E-10	3.58E-08	2.01E-10	lbs/ton	1	169.77	421.74	0.99
Incinerator, Medical Waste	3	Dioxin/Furan	Dioxin:4D 2378	A3-v0	1.50E-06	1.64E-06	2.11E-06	7.57E-07	lbs/ton	1	45.82	113.82	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Dioxin:5D 12378	A3-v0	8.53E-06	1.06E-05	1.09E-05	4.11E-06	lbs/ton	1	44.91	111.57	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Dioxin:6D 123478	A3-v0	1.36E-05	1.48E-05	2.16E-05	4.37E-06	lbs/ton	1	63.71	158.28	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Dioxin:6D 123678	A3-v0	3.19E-05	3.24E-05	5.07E-05	1.26E-05	lbs/ton	1	59.65	148.17	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Dioxin:6D 123789	A3-v0	2.20E-05	2.22E-05	3.50E-05	8.72E-06	lbs/ton	1	59.86	148.70	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	5.69E-05	5.47E-05	9.10E-05	2.49E-05	lbs/ton	1	58.23	144.66	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Dioxin:8D	A3-v0	3.25E-05	2.93E-05	5.28E-05	1.54E-05	lbs/ton	1	58.10	144.34	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Furan:4F 2378	A3-v3	2.21E-05	1.25E-07	6.62E-05	8.32E-08	lbs/ton	1	172.39	428.24	0.00
Incinerator, Medical Waste	3	Dioxin/Furan	Furan:5F 12378	A3-v0	2.39E-05	2.93E-05	2.93E-05	1.31E-05	lbs/ton	1	39.09	97.11	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Furan:5F 23478	A3-v0	4.25E-05	4.52E-05	5.02E-05	3.21E-05	lbs/ton	1	22.00	54.64	0.61
Incinerator, Medical Waste	3	Dioxin/Furan	Furan:6F 123478	A3-v0	6.48E-05	5.87E-05	8.27E-05	5.29E-05	lbs/ton	1	24.36	60.50	0.57
Incinerator, Medical Waste	3	Dioxin/Furan	Furan:6F 123678	A3-v0	2.45E-05	2.62E-05	3.50E-05	1.23E-05	lbs/ton	1	46.80	116.25	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Furan:6F 123789	A3-v0	2.38E-07	2.35E-07	2.88E-07	1.90E-07	lbs/ton	1	20.58	51.11	0.00
Incinerator, Medical Waste	3	Dioxin/Furan	Furan:6F 234678	A3-v0	2.38E-07	2.35E-07	2.88E-07	1.90E-07	lbs/ton	1	20.58	51.11	0.00
Incinerator, Medical Waste	3	Dioxin/Furan	Furan:7F 1234678	A3-v0	1.98E-04	2.15E-04	3.11E-04	6.88E-05	lbs/ton	1	61.54	152.88	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Furan:7F 1234789	A3-v1	1.53E-05	1.48E-05	2.64E-05	4.75E-06	lbs/ton	1	70.83	175.94	1.00
Incinerator, Medical Waste	3	Dioxin/Furan	Furan:8F	A3-v0	3.60E-05	3.21E-05	5.94E-05	1.65E-05	lbs/ton	1	60.23	149.62	1.00
Incinerator, Medical Waste	3	Halogens	HCl	C3-v0	4.29E+01	4.43E+01	5.50E+01	2.94E+01	lbs/ton	1	30.05	74.64	1.00
Incinerator, Medical Waste	3	Metals	Chromium (Hex)	A3-v0	1.29E-04	1.29E-04	1.74E-04	8.46E-05	lbs/ton	1	34.64	86.06	0.67
Incinerator, Medical Waste	3	PAH	Acenaphthene	C3-v1	1.07E-02	9.40E-03	2.03E-02	2.51E-03	lbs/ton	1	83.57	207.59	0.92
Incinerator, Medical Waste	3	PAH	Acenaphthylene	C3-v1	2.78E-01	3.12E-01	4.55E-01	6.68E-02	lbs/ton	1	70.67	175.55	1.00
Incinerator, Medical Waste	3	PAH	Anthracene	C3-v1	9.74E-02	1.01E-01	1.66E-01	2.51E-02	lbs/ton	1	72.52	180.16	0.91
Incinerator, Medical Waste	3	PAH	Benzo(a)anthracene	C3-v1	3.56E-02	4.31E-02	5.93E-02	4.32E-03	lbs/ton	1	79.40	197.23	1.00
Incinerator, Medical Waste	3	PAH	Benzo(a)pyrene	C3-v0	6.26E-03	7.55E-03	8.71E-03	2.51E-03	lbs/ton	1	52.66	130.81	0.87

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Incinerator, Medical Waste	3	PAH	Benzo(b)fluoranthene	C3-v1	1.90E-02	1.49E-02	3.70E-02	5.13E-03	lbs/ton	1	85.90	213.40	1.00
Incinerator, Medical Waste	3	PAH	Benzo(g,h,i)perylene	C3-v0	6.91E-03	8.66E-03	9.55E-03	2.51E-03	lbs/ton	1	55.48	137.81	0.88
Incinerator, Medical Waste	3	PAH	Benzo(k)fluoranthene	C3-v1	2.61E-02	2.62E-02	4.80E-02	4.12E-03	lbs/ton	1	84.08	208.87	1.00
Incinerator, Medical Waste	3	PAH	Chrysene	C3-v1	4.99E-02	6.87E-02	7.19E-02	9.21E-03	lbs/ton	1	70.69	175.61	1.00
Incinerator, Medical Waste	3	PAH	Dibenz(a,h)anthracene	C3-v0	3.00E-03	2.82E-03	3.65E-03	2.51E-03	lbs/ton	1	19.71	48.95	0.00
Incinerator, Medical Waste	3	PAH	Fluoranthene	C3-v0	1.77E-01	2.07E-01	2.63E-01	5.96E-02	lbs/ton	1	59.55	147.94	1.00
Incinerator, Medical Waste	3	PAH	Fluorene	C3-v1	1.37E-01	1.80E-01	2.13E-01	1.78E-02	lbs/ton	1	76.32	189.58	1.00
Incinerator, Medical Waste	3	PAH	Indeno(1,2,3-cd)pyrene	C3-v0	5.69E-03	6.60E-03	7.97E-03	2.51E-03	lbs/ton	1	49.85	123.83	0.85
Incinerator, Medical Waste	3	PAH	Naphthalene	C3-v0	3.84E-01	3.65E-01	5.64E-01	2.21E-01	lbs/ton	1	44.94	111.64	0.19
Incinerator, Medical Waste	3	PAH	Phenanthrene	C3-v0	3.29E-01	3.68E-01	4.93E-01	1.27E-01	lbs/ton	1	56.46	140.26	1.00
Incinerator, Medical Waste	3	PAH	Pyrene	C3-v1	1.61E-01	1.88E-01	2.50E-01	4.51E-02	lbs/ton	1	65.33	162.29	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:4D 2378	A3-v1	8.39E-08	9.84E-08	1.36E-07	1.75E-08	lbs/ton	1	72.08	179.05	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:4D Total	A3-v1	2.39E-06	3.01E-06	3.83E-06	3.50E-07	lbs/ton	1	75.91	188.56	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:5D 12378	A3-v1	1.67E-07	1.42E-07	3.46E-07	1.42E-08	lbs/ton	1	99.93	248.24	0.97
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:5D Total	A3-v1	1.76E-06	1.69E-06	3.46E-06	1.33E-07	lbs/ton	1	94.40	234.51	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:6D 123478	A3-v1	9.24E-08	7.10E-08	1.85E-07	2.08E-08	lbs/ton	1	91.20	226.55	0.92
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:6D 123678	A3-v1	9.48E-08	7.10E-08	1.98E-07	1.58E-08	lbs/ton	1	98.26	244.09	0.94
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:6D 123789	A3-v1	8.77E-08	7.10E-08	1.73E-07	1.92E-08	lbs/ton	1	89.16	221.49	0.93
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:6D Total	A3-v1	1.42E-06	1.26E-06	2.84E-06	1.75E-07	lbs/ton	1	94.12	233.81	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:7D 1234678	A3-v1	2.70E-07	2.40E-07	5.19E-07	5.25E-08	lbs/ton	1	86.68	215.33	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:7D Total	A3-v1	5.29E-07	4.86E-07	1.00E-06	1.00E-07	lbs/ton	1	85.39	212.11	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Dioxin:8D	A3-v0	3.51E-07	3.08E-07	4.81E-07	2.62E-07	lbs/ton	1	32.95	81.86	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:4F 2378	A3-v1	5.90E-07	6.01E-07	1.06E-06	1.08E-07	lbs/ton	1	80.76	200.62	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:4F Total	A3-v1	1.74E-05	1.91E-05	2.96E-05	3.33E-06	lbs/ton	1	76.23	189.38	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:5F 12378	A3-v1	3.76E-07	3.44E-07	7.28E-07	5.42E-08	lbs/ton	1	90.04	223.68	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:5F 23478	A3-v1	6.09E-07	5.25E-07	1.22E-06	8.08E-08	lbs/ton	1	94.45	234.62	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:5F Total	A3-v1	7.10E-06	6.56E-06	1.36E-05	1.17E-06	lbs/ton	1	87.65	217.74	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:6F 123478	A3-v1	3.31E-07	3.01E-07	6.67E-07	2.67E-08	lbs/ton	1	96.92	240.78	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:6F 123678	A3-v1	3.23E-07	2.62E-07	6.67E-07	4.08E-08	lbs/ton	1	98.17	243.86	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:6F 123789	A3-v1	3.53E-08	3.01E-08	6.67E-08	9.17E-09	lbs/ton	1	82.46	204.85	0.91
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:6F 234678	A3-v1	2.48E-07	2.02E-07	4.94E-07	4.75E-08	lbs/ton	1	91.45	227.17	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:6F Total	A3-v1	3.53E-06	2.84E-06	7.28E-06	4.58E-07	lbs/ton	1	98.19	243.93	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:7F 1234678	A3-v1	4.49E-07	3.66E-07	8.89E-07	9.17E-08	lbs/ton	1	90.22	224.13	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:7F 1234789	A3-v1	3.40E-08	2.62E-08	6.67E-08	9.17E-09	lbs/ton	1	86.80	215.63	0.91
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:7F Total	A3-v1	6.65E-07	5.46E-07	1.36E-06	9.17E-08	lbs/ton	1	96.41	239.50	1.00
Incinerator, Waste explosives	1	Dioxin/Furan	Furan:8F	A3-v0	6.09E-08	5.25E-08	1.06E-07	2.42E-08	lbs/ton	1	68.36	169.82	0.87
Incinerator, Waste explosives	1	Halogens	HCl	C3-v0	6.33E+00	6.33E+00	1.03E+01	2.35E+00	lbs/ton	1	88.93	799.00	1.00
Incinerator, Waste explosives	1	Metals	Antimony	A3-v1	1.23E-03	1.22E-03	2.25E-03	2.08E-04	lbs/ton	1	83.25	206.81	0.39
Incinerator, Waste explosives	1	Metals	Arsenic	A3-v0	1.11E-03	6.01E-04	2.25E-03	4.81E-04	lbs/ton	1	88.97	221.02	0.14
Incinerator, Waste explosives	1	Metals	Barium	A3-v0	4.12E-03	5.33E-03	5.56E-03	1.48E-03	lbs/ton	1	55.67	138.28	1.00
Incinerator, Waste explosives	1	Metals	Beryllium	A3-v0	5.18E-05	6.05E-05	7.42E-05	2.08E-05	lbs/ton	1	53.54	133.01	0.00
Incinerator, Waste explosives	1	Metals	Cadmium	A3-v0	1.35E-03	1.75E-03	1.85E-03	4.37E-04	lbs/ton	1	58.60	145.58	1.00
Incinerator, Waste explosives	1	Metals	Chromium (Total)	A3-v0	1.59E-03	1.73E-03	2.50E-03	5.46E-04	lbs/ton	1	61.82	153.57	1.00
Incinerator, Waste explosives	1	Metals	Copper	A3-v0	8.85E-03	8.33E-03	1.11E-02	7.10E-03	lbs/ton	1	23.20	57.63	1.00
Incinerator, Waste explosives	1	Metals	Lead	A3-v1	1.14E-02	7.42E-03	2.47E-02	2.08E-03	lbs/ton	1	103.74	257.70	1.00
Incinerator, Waste explosives	1	Metals	Manganese	A3-v0	1.21E-03	1.23E-03	1.42E-03	9.84E-04	lbs/ton	1	17.95	44.58	1.00
Incinerator, Waste explosives	1	Metals	Mercury	A3-v0	1.04E-03	1.17E-03	1.48E-03	4.81E-04	lbs/ton	1	49.05	121.86	1.00
Incinerator, Waste explosives	1	Metals	Nickel	A3-v1	2.86E-03	1.22E-03	6.75E-03	6.01E-04	lbs/ton	1	118.45	294.25	1.00
Incinerator, Waste explosives	1	Metals	Phosphorus	A3-v1	4.96E-03	4.50E-03	9.14E-03	1.26E-03	lbs/ton	1	79.77	198.16	0.61
Incinerator, Waste explosives	1	Metals	Selenium	A3-v2	9.57E-03	6.01E-03	2.25E-02	1.85E-04	lbs/ton	1	121.00	300.58	0.00
Incinerator, Waste explosives	1	Metals	Silver	A3-v0	3.30E-04	3.70E-04	4.50E-04	1.69E-04	lbs/ton	1	43.83	108.88	0.17
Incinerator, Waste explosives	1	Metals	Thallium	A3-v0	1.57E-02	1.85E-02	2.25E-02	6.01E-03	lbs/ton	1	54.89	136.34	0.00
Incinerator, Waste explosives	1	Metals	Zinc	A3-v1	2.39E+00	1.73E+00	4.92E+00	5.19E-01	lbs/ton	1	95.13	236.32	1.00
Incinerator, Waste explosives	1	PAH	Acenaphthene	A3-v1	1.68E-02	1.48E-02	3.17E-02	3.99E-03	lbs/ton	1	82.91	205.95	1.00
Incinerator, Waste explosives	1	PAH	Acenaphthylene	A3-v0	1.25E-02	1.60E-02	1.75E-02	3.83E-03	lbs/ton	1	60.29	149.78	1.00
Incinerator, Waste explosives	1	PAH	Anthracene	A3-v1	9.00E-03	5.93E-03	1.83E-02	2.73E-03	lbs/ton	1	91.60	227.55	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Incinerator, Waste explosives	1	PAH	Benzo(a)anthracene	A3-v1	2.73E-04	1.85E-04	5.58E-04	7.65E-05	lbs/ton	1	92.46	229.68	1.00
Incinerator, Waste explosives	1	PAH	Benzo(a)pyrene	A3-v1	6.08E-05	7.67E-05	9.63E-05	9.29E-06	lbs/ton	1	75.12	186.60	1.00
Incinerator, Waste explosives	1	PAH	Benzo(b)fluoranthene	A3-v0	2.67E-04	2.47E-04	4.17E-04	1.37E-04	lbs/ton	1	52.89	131.39	1.00
Incinerator, Waste explosives	1	PAH	Benzo(g,h,i)perylene	A3-v1	1.90E-04	2.10E-04	3.25E-04	3.61E-05	lbs/ton	1	76.43	189.86	1.00
Incinerator, Waste explosives	1	PAH	Benzo(k)fluoranthene	A3-v1	8.02E-05	7.53E-05	1.42E-04	2.35E-05	lbs/ton	1	73.90	183.57	1.00
Incinerator, Waste explosives	1	PAH	Chrysene	A3-v0	7.61E-04	4.44E-04	1.42E-03	4.21E-04	lbs/ton	1	74.71	185.59	1.00
Incinerator, Waste explosives	1	PAH	Dibenz(a,h)anthracene	A3-v1	1.35E-05	1.83E-05	1.85E-05	3.61E-06	lbs/ton	1	63.45	157.61	1.00
Incinerator, Waste explosives	1	PAH	Fluoranthene	A3-v0	2.07E-03	1.73E-03	3.33E-03	1.15E-03	lbs/ton	1	54.70	135.88	1.00
Incinerator, Waste explosives	1	PAH	Fluorene	A3-v1	5.45E-02	5.93E-02	9.17E-02	1.26E-02	lbs/ton	1	72.96	181.25	1.00
Incinerator, Waste explosives	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v1	1.10E-04	1.36E-04	1.67E-04	2.73E-05	lbs/ton	1	66.57	165.38	1.00
Incinerator, Waste explosives	1	PAH	Naphthalene	A3-v0	3.04E-01	2.72E-01	4.83E-01	1.58E-01	lbs/ton	1	54.16	134.55	1.00
Incinerator, Waste explosives	1	PAH	Phenanthrene	A3-v0	1.10E-01	8.02E-02	2.00E-01	5.08E-02	lbs/ton	1	71.60	177.87	1.00
Incinerator, Waste explosives	1	PAH	Pyrene	A3-v1	1.23E-02	9.63E-03	2.33E-02	3.83E-03	lbs/ton	1	81.69	202.92	1.00
Incinerator, Waste explosives	1	PCB	PCB:Decachlorinated biphenyls	A3-v0	5.42E-07	6.17E-07	6.25E-07	3.83E-07	lbs/ton	1	25.45	63.22	0.00
Incinerator, Waste explosives	1	PCB	PCB:Dichlorinated biphenyls	A3-v0	1.95E-05	1.11E-05	3.83E-05	9.17E-06	lbs/ton	1	83.34	207.03	1.00
Incinerator, Waste explosives	1	PCB	PCB:Heptachlorinated biphenyls	A3-v2	2.25E-06	4.64E-07	6.17E-06	1.17E-07	lbs/ton	1	151.05	375.22	0.91
Incinerator, Waste explosives	1	PCB	PCB:Hexachlorinated biphenyls	A3-v1	2.10E-06	4.75E-07	5.43E-06	3.83E-07	lbs/ton	1	137.80	342.32	0.86
Incinerator, Waste explosives	1	PCB	PCB:Monochlorinated biphenyls	A3-v0	4.84E-05	4.32E-05	7.10E-05	3.08E-05	lbs/ton	1	42.58	105.77	1.00
Incinerator, Waste explosives	1	PCB	PCB:Nonachlorinated biphenyls	A3-v0	1.92E-07	1.75E-07	2.84E-07	1.17E-07	lbs/ton	1	44.27	109.97	0.00
Incinerator, Waste explosives	1	PCB	PCB:Octachlorinated biphenyls	A3-v0	4.23E-07	3.01E-07	7.78E-07	1.92E-07	lbs/ton	1	73.64	182.94	0.00
Incinerator, Waste explosives	1	PCB	PCB:Pentachlorinated biphenyls	A3-v1	2.79E-06	3.46E-06	4.43E-06	4.92E-07	lbs/ton	1	73.43	182.42	0.94
Incinerator, Waste explosives	1	PCB	PCB:Tetrachlorinated biphenyls	A3-v1	3.77E-06	2.24E-06	8.40E-06	6.75E-07	lbs/ton	1	108.25	268.90	0.94
Incinerator, Waste explosives	1	PCB	PCB:Trichlorinated biphenyls	A3-v0	1.43E-05	8.08E-06	2.84E-05	6.56E-06	lbs/ton	1	84.99	211.12	1.00
Incinerator, Waste explosives	1	VOC	Benzene	A3-v1	2.73E-01	3.11E-01	4.94E-01	1.50E-02	lbs/ton	1	88.38	219.56	1.00
Incinerator, Waste explosives	1	VOC	Methylene Chloride	C3-v0	7.52E-02	8.33E-02	1.10E-01	3.22E-02	lbs/ton	1	52.51	130.44	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Incinerator, Waste explosives	1	VOC	Toluene	A3-v1	1.17E-01	1.20E-01	2.22E-01	9.17E-03	lbs/ton	1	90.92	225.86	1.00
Incinerator, Waste explosives	1	VOC	Vinyl Chloride	A3-v0	1.15E-01	1.00E-01	1.73E-01	7.10E-02	lbs/ton	1	45.76	113.67	0.00
Incinerator, Waste Gas	1	VOC	Benzene	C3-v0	8.27E+01	8.43E+01	1.10E+02	5.38E+01	lbs/MMcf	1	33.96	84.37	1.00
Incinerator, Waste Gas	1	VOC	Hydrogen Sulfide	C3-v0	5.35E+02	5.35E+02	6.12E+02	4.59E+02	lbs/MMcf	1	20.20	181.52	1.00
Incinerator, Waste Gas	1	VOC	Toluene	C3-v0	6.99E+01	6.90E+01	9.37E+01	4.70E+01	lbs/MMcf	1	33.40	82.98	1.00
Incinerator, Waste Gas	1	VOC	Xylene (Total)	C3-v0	2.65E+01	2.85E+01	3.82E+01	1.26E+01	lbs/MMcf	1	48.83	121.30	1.00
Oven, Curing Tools	1	VOC	Formaldehyde	A3-v0	3.64E-02	3.90E-02	4.20E-02	2.84E-02	lbs/ton processed	1	19.59	48.67	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin/Furan:Total	A3-v0	9.93E-06	8.50E-06	1.58E-05	5.46E-06	lbs/ton charged	1	53.64	133.26	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:4D 2378	A3-v0	7.78E-09	4.69E-09	1.46E-08	4.05E-09	lbs/ton charged	1	75.99	188.76	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:4D Total	A3-v1	1.18E-06	1.25E-06	1.99E-06	3.06E-07	lbs/ton charged	1	71.36	177.26	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:5D 12378	A3-v1	2.36E-08	1.19E-08	4.91E-08	9.78E-09	lbs/ton charged	1	93.76	232.92	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:5D Total	A3-v1	9.07E-07	6.86E-07	1.72E-06	3.11E-07	lbs/ton charged	1	80.69	200.45	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:6D 123478	A3-v1	1.55E-08	7.28E-09	3.49E-08	4.42E-09	lbs/ton charged	1	108.32	269.08	0.75
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:6D 123678	A3-v1	2.78E-08	1.43E-08	6.56E-08	3.48E-09	lbs/ton charged	1	119.35	296.47	0.79
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:6D 123789	A3-v1	1.91E-08	7.28E-09	4.60E-08	3.88E-09	lbs/ton charged	1	122.81	305.07	0.80
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:6D Total	A3-v0	7.48E-07	5.41E-07	1.42E-06	2.88E-07	lbs/ton charged	1	79.07	196.43	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	1.67E-07	8.11E-08	3.40E-07	7.91E-08	lbs/ton charged	1	90.03	223.64	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:7D Total	A3-v0	3.31E-07	1.69E-07	6.64E-07	1.60E-07	lbs/ton charged	1	87.13	216.45	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Dioxin:8D	A3-v0	2.38E-07	1.56E-07	4.29E-07	1.28E-07	lbs/ton charged	1	69.99	173.88	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:4F 2378	A3-v0	9.35E-08	8.32E-08	1.24E-07	7.36E-08	lbs/ton charged	1	28.49	70.78	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:4F Total	A3-v0	2.94E-06	3.11E-06	4.47E-06	1.23E-06	lbs/ton charged	1	55.33	137.44	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:5F 12378	A3-v0	9.72E-08	8.96E-08	1.42E-07	6.03E-08	lbs/ton charged	1	42.35	105.20	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:5F 23478	A3-v0	8.38E-08	9.14E-08	1.33E-07	2.73E-08	lbs/ton charged	1	63.40	157.50	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:5F Total	A3-v0	4.02E-06	2.91E-06	6.86E-06	2.29E-06	lbs/ton charged	1	61.74	153.36	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:6F 123478	A3-v1	1.54E-07	1.60E-07	2.51E-07	4.99E-08	lbs/ton charged	1	65.57	162.88	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:6F 123678	A3-v1	1.08E-07	1.23E-07	1.68E-07	3.14E-08	lbs/ton charged	1	64.76	160.88	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:6F 123789	A3-v0	1.57E-08	2.10E-08	2.12E-08	4.91E-09	lbs/ton charged	1	59.59	148.03	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:6F 234678	A3-v0	1.25E-07	1.50E-07	1.78E-07	4.58E-08	lbs/ton charged	1	55.99	139.09	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Oven, Wire Coatings	1	Dioxin/Furan	Furan:6F Total	A3-v0	1.19E-06	1.37E-06	1.59E-06	6.03E-07	lbs/ton charged	1	43.65	108.43	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:7F 1234678	A3-v0	2.79E-07	3.58E-07	3.66E-07	1.13E-07	lbs/ton charged	1	51.65	128.30	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:7F 1234789	A3-v0	2.10E-08	1.60E-08	3.80E-08	9.15E-09	lbs/ton charged	1	71.62	177.90	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:7F Total	A3-v0	3.85E-07	4.80E-07	5.53E-07	1.23E-07	lbs/ton charged	1	59.70	148.30	1.00
Oven, Wire Coatings	1	Dioxin/Furan	Furan:8F	A3-v0	4.66E-08	4.30E-08	6.73E-08	2.96E-08	lbs/ton charged	1	41.03	101.91	1.00
Oven, Wire Coatings	1	Halogens	HCl	C3-v0	1.58E+00	1.82E+00	2.13E+00	7.88E-01	lbs/ton charged	1	44.57	110.72	1.00
Oven, Wire Coatings	1	Metals	Arsenic	D3-v1	3.47E-02	4.47E-02	5.67E-02	2.78E-03	lbs/ton charged	1	81.52	202.51	0.03
Oven, Wire Coatings	1	Metals	Beryllium	D3-v0	3.05E-04	3.04E-04	3.59E-04	2.53E-04	lbs/ton charged	1	17.35	43.11	0.00
Oven, Wire Coatings	1	Metals	Cadmium	D3-v2	4.87E-02	3.83E-03	1.41E-01	1.00E-03	lbs/ton charged	1	164.65	409.01	1.00
Oven, Wire Coatings	1	Metals	Chromium (Total)	D3-v0	1.39E-03	1.43E-03	1.60E-03	1.15E-03	lbs/ton charged	1	16.59	41.20	1.00
Oven, Wire Coatings	1	Metals	Copper	D3-v0	9.23E-03	8.48E-03	1.16E-02	7.60E-03	lbs/ton charged	1	22.77	56.56	1.00
Oven, Wire Coatings	1	Metals	Lead	D3-v0	1.32E-02	1.51E-02	1.78E-02	6.70E-03	lbs/ton charged	1	43.78	108.75	1.00
Oven, Wire Coatings	1	Metals	Manganese	D3-v1	8.97E-02	8.48E-02	1.81E-01	3.76E-03	lbs/ton charged	1	98.64	245.04	1.00
Oven, Wire Coatings	1	Metals	Mercury	D3-v1	4.83E-04	7.07E-05	1.32E-03	6.42E-05	lbs/ton charged	1	149.04	370.24	1.00
Oven, Wire Coatings	1	Metals	Nickel	D3-v0	2.89E-03	2.78E-03	4.49E-03	1.41E-03	lbs/ton charged	1	53.23	132.24	1.00
Oven, Wire Coatings	1	Metals	Selenium	D3-v0	9.52E-04	8.62E-04	1.24E-03	7.54E-04	lbs/ton charged	1	26.80	66.58	0.43
Oven, Wire Coatings	1	Metals	Zinc	D3-v0	4.75E-01	5.34E-01	5.42E-01	3.50E-01	lbs/ton charged	1	22.85	56.77	1.00
Oven, Wire Coatings	1	PAH	Acenaphthene	C3-v0	1.69E-04	1.24E-04	2.92E-04	9.16E-05	lbs/ton charged	1	63.72	158.29	1.00
Oven, Wire Coatings	1	PAH	Acenaphthylene	C3-v0	9.66E-05	6.79E-05	1.84E-04	3.74E-05	lbs/ton charged	1	80.31	199.51	1.00
Oven, Wire Coatings	1	PAH	Anthracene	C3-v0	4.10E-05	3.51E-05	6.26E-05	2.53E-05	lbs/ton charged	1	47.27	117.42	1.00
Oven, Wire Coatings	1	PAH	Benzo(a)anthracene	C3-v0	2.85E-05	2.80E-05	4.17E-05	1.57E-05	lbs/ton charged	1	45.81	113.79	0.49
Oven, Wire Coatings	1	PAH	Benzo(a)pyrene	C3-v1	4.68E-05	4.92E-05	7.65E-05	1.48E-05	lbs/ton charged	1	65.99	163.93	0.00
Oven, Wire Coatings	1	PAH	Benzo(b)fluoranthene	C3-v0	3.25E-05	3.51E-05	4.52E-05	1.73E-05	lbs/ton charged	1	43.34	107.66	0.00
Oven, Wire Coatings	1	PAH	Benzo(g,h,i)perylene	C3-v0	6.77E-05	7.25E-05	1.08E-04	2.27E-05	lbs/ton charged	1	63.24	157.10	0.00
Oven, Wire Coatings	1	PAH	Benzo(k)fluoranthene	C3-v0	3.64E-05	3.98E-05	5.22E-05	1.73E-05	lbs/ton charged	1	48.45	120.36	0.00
Oven, Wire Coatings	1	PAH	Chrysene	C3-v0	2.82E-05	3.13E-05	3.51E-05	1.83E-05	lbs/ton charged	1	31.10	77.25	0.37
Oven, Wire Coatings	1	PAH	Dibenz(a,h)anthracene	C3-v0	3.82E-05	4.17E-05	4.68E-05	2.62E-05	lbs/ton charged	1	28.15	69.93	0.00
Oven, Wire Coatings	1	PAH	Fluoranthene	C3-v0	1.44E-04	1.28E-04	2.47E-04	5.74E-05	lbs/ton charged	1	66.41	164.97	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Oven, Wire Coatings	1	PAH	Fluorene	C3-v0	2.24E-04	2.29E-04	3.23E-04	1.19E-04	lbs/ton charged	1	45.65	113.40	1.00
Oven, Wire Coatings	1	PAH	Indeno(1,2,3-cd)pyrene	C3-v0	5.18E-05	2.93E-05	9.74E-05	2.87E-05	lbs/ton charged	1	76.26	189.44	0.19
Oven, Wire Coatings	1	PAH	Naphthalene	C3-v1	5.55E-03	5.15E-03	9.76E-03	1.74E-03	lbs/ton charged	1	72.46	180.01	1.00
Oven, Wire Coatings	1	PAH	Phenanthrene	C3-v0	8.46E-04	7.02E-04	1.36E-03	4.78E-04	lbs/ton charged	1	54.02	134.20	1.00
Oven, Wire Coatings	1	PAH	Pyrene	C3-v1	1.04E-04	7.48E-05	2.02E-04	3.66E-05	lbs/ton charged	1	82.82	205.74	1.00
Oven, Wire Coatings	1	VOC	Benzene	A3-v0	2.90E-03	3.66E-03	3.71E-03	1.34E-03	lbs/ton charged	1	46.69	115.98	1.00
Oven, Wire Coatings	1	VOC	Formaldehyde	C3-v1	9.83E-02	5.01E-02	2.07E-01	3.79E-02	lbs/ton charged	1	95.96	238.39	1.00
Oven, Wire Coatings	1	VOC	Vinyl Chloride	A3-v1	3.55E-05	3.38E-05	6.25E-05	1.02E-05	lbs/ton charged	1	73.79	183.32	0.90
Plating, Anodizing	1	Metals	Chromium (Hex)	B2-v2	2.52E-01	1.44E-01	7.51E-01	7.12E-03	mg/amp-hr	3	103.86	74.30	1.00
Plating, Anodizing	1	Metals	Chromium (Total)	C1-v2	2.48E-01	1.40E-01	1.08E+00	1.64E-02	mg/amp-hr	5	124.40	68.89	1.00
Plating, Anodizing	2	Metals	Chromium (Hex)	C3-v0	4.15E-02	4.15E-02	4.22E-02	4.09E-02	mg/amp-hr	1	2.27	20.36	0.00
Plating, Anodizing	2	Metals	Chromium (Total)	C3-v0	4.14E-03	4.13E-03	4.41E-03	3.92E-03	mg/amp-hr	1	5.02	7.99	0.00
Plating, Decorative	1	Metals	Chromium (Hex)	C3-v0	4.71E+00	4.75E+00	4.78E+00	4.62E+00	mg/amp-hr	1	1.73	4.30	0.00
Plating, Decorative	1	Metals	Chromium (Total)	C3-v1	3.60E+00	3.88E+00	6.33E+00	5.93E-01	mg/amp-hr	1	79.93	198.57	1.00
Plating, Decorative	1	Metals	Copper	D3-v1	7.49E+02	9.66E+02	1.12E+03	1.63E+02	mg/amp-hr	1	68.51	170.19	1.00
Plating, Decorative	1	Metals	Lead	D3-v0	1.22E+02	1.29E+02	1.53E+02	8.42E+01	mg/amp-hr	1	28.64	71.14	1.00
Plating, Decorative	1	Metals	Nickel	D3-v0	1.43E+02	1.18E+02	2.18E+02	9.47E+01	mg/amp-hr	1	45.60	113.27	1.00
Plating, Decorative	2	Metals	Chromium (Hex)	B3-v1	8.48E-05	1.38E-05	2.29E-04	1.16E-05	mg/amp-hr	1	147.26	365.81	1.00
Plating, Decorative	2	Metals	Chromium (Total)	B3-v0	2.48E-03	2.37E-03	2.77E-03	2.32E-03	mg/amp-hr	1	9.92	24.63	1.00
Plating, Hard	1	Metals	Chromium (Hex)	B1-v2	2.44E-02	1.04E-02	2.24E-01	1.23E-03	mg/amp-hr	23	177.44	43.47	0.93
Plating, Hard	1	Metals	Chromium (Total)	B1-v2	3.92E-02	2.53E-02	2.64E-01	1.95E-03	mg/amp-hr	28	121.98	26.90	0.93
Plating, Hard	2	Metals	Chromium (Hex)	B1-v2	6.19E-03	2.96E-03	3.77E-02	2.88E-04	mg/amp-hr	11	148.36	52.23	0.92
Plating, Hard	2	Metals	Chromium (Total)	B1-v2	1.02E-02	6.07E-03	8.95E-02	3.10E-04	mg/amp-hr	11	167.83	57.26	0.94
Plating, Hard	3	Metals	Chromium (Total)	C3-v0	1.66E+00	1.66E+00	1.83E+00	1.48E+00	mg/amp-hr	1	10.54	26.18	1.00
Plating, Hard/Anodizing	1	Metals	Chromium (Hex)	B2-v1	2.45E-02	1.65E-02	5.68E-02	7.91E-03	mg/amp-hr	3	72.23	55.52	1.00
Plating, Hard/Anodizing	1	Metals	Chromium (Total)	B2-v1	2.45E-02	2.23E-02	4.66E-02	5.64E-03	mg/amp-hr	3	71.03	54.60	1.00
PM, Devolatizer	1	SVOC	Ethylbenzene	C3-v-	4.09E-06	4.09E-06	4.09E-06	4.09E-06	lbs/lbs production	1	0.00	0.00	1.00
PM, Devolatizer	1	VOC	Benzene	C3-v-	1.29E-09	1.29E-09	1.29E-09	1.29E-09	lbs/lbs production	1	0.00	0.00	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
PM, Devolatizer	1	VOC	Styrene	C3-v-	2.36E-05	2.36E-05	2.36E-05	2.36E-05	lbs/lbs production	1	0.00	0.00	1.00
PM, Devolatizer	1	VOC	Toluene	C3-v-	2.98E-07	2.98E-07	2.98E-07	2.98E-07	lbs/lbs production	1	0.00	0.00	1.00
PM, Devolatizer	1	VOC	Xylene (m,p)	C3-v-	1.96E-07	1.96E-07	1.96E-07	1.96E-07	lbs/lbs production	1	0.00	0.00	1.00
PM, Devolatizer	1	VOC	Xylene (o)	C3-v-	6.22E-08	6.22E-08	6.22E-08	6.22E-08	lbs/lbs production	1	0.00	0.00	1.00
PM, Extruder	1	SVOC	Ethylbenzene	C3-v-	1.11E-06	1.11E-06	1.11E-06	1.11E-06	lbs/lbs production	1	0.00	0.00	1.00
PM, Extruder	1	VOC	Benzene	C3-v-	1.11E-07	1.11E-07	1.11E-07	1.11E-07	lbs/lbs production	1	0.00	0.00	0.00
PM, Extruder	1	VOC	Styrene	C3-v-	1.53E-05	1.53E-05	1.53E-05	1.53E-05	lbs/lbs production	1	0.00	0.00	1.00
PM, Extruder	1	VOC	Toluene	C3-v-	2.34E-07	2.34E-07	2.34E-07	2.34E-07	lbs/lbs production	1	0.00	0.00	1.00
PM, Extruder	1	VOC	Xylene (m,p)	C3-v-	1.53E-07	1.53E-07	1.53E-07	1.53E-07	lbs/lbs production	1	0.00	0.00	0.00
PM, Extruder	1	VOC	Xylene (o)	C3-v-	1.53E-07	1.53E-07	1.53E-07	1.53E-07	lbs/lbs production	1	0.00	0.00	0.00
PM, Mix Tank	1	SVOC	Ethylbenzene	C3-v-	4.35E-08	4.35E-08	4.35E-08	4.35E-08	lbs/lbs production	1	0.00	0.00	1.00
PM, Mix Tank	1	VOC	Benzene	C3-v-	2.75E-09	2.75E-09	2.75E-09	2.75E-09	lbs/lbs production	1	0.00	0.00	0.00
PM, Mix Tank	1	VOC	Styrene	C3-v-	2.41E-05	2.41E-05	2.41E-05	2.41E-05	lbs/lbs production	1	0.00	0.00	1.00
PM, Mix Tank	1	VOC	Toluene	C3-v-	2.75E-09	2.75E-09	2.75E-09	2.75E-09	lbs/lbs production	1	0.00	0.00	1.00
PM, Mix Tank	1	VOC	Xylene (m,p)	C3-v-	3.67E-09	3.67E-09	3.67E-09	3.67E-09	lbs/lbs production	1	0.00	0.00	0.00
PM, Mix Tank	1	VOC	Xylene (o)	C3-v-	3.67E-09	3.67E-09	3.67E-09	3.67E-09	lbs/lbs production	1	0.00	0.00	0.00
PM, Reactor	1	SVOC	Ethylbenzene	D3-v1	2.43E-07	2.05E-08	6.90E-07	1.97E-08	lbs/lbs production	2	158.91	394.76	1.00
PM, Reactor	1	VOC	Benzene	C3-v-	2.76E-09	2.76E-09	2.76E-09	2.76E-09	lbs/lbs production	1	0.00	0.00	0.00
PM, Reactor	1	VOC	Styrene	D3-v2	8.41E-06	2.07E-07	2.48E-05	1.96E-07	lbs/lbs production	2	169.06	419.97	1.00
PM, Reactor	1	VOC	Toluene	C3-v-	4.37E-08	4.37E-08	4.37E-08	4.37E-08	lbs/lbs production	1	0.00	0.00	1.00
PM, Reactor	1	VOC	Xylene (m,p)	C3-v-	2.00E-08	2.00E-08	2.00E-08	2.00E-08	lbs/lbs production	1	0.00	0.00	1.00
PM, Reactor	1	VOC	Xylene (o)	C3-v-	3.68E-09	3.68E-09	3.68E-09	3.68E-09	lbs/lbs production	1	0.00	0.00	0.00
PM, Storage Silo	1	SVOC	Ethylbenzene	E3-v2	5.60E-06	3.27E-06	1.58E-05	4.18E-08	lbs/lbs production	2	132.78	211.28	1.00
PM, Storage Silo	1	VOC	Styrene	D3-v3	2.87E-05	6.37E-08	7.38E-05	5.99E-08	lbs/lbs production	2	136.73	169.77	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:4D 2378	A3-v0	3.14E-11	2.37E-11	4.81E-11	2.23E-11	lbs/ton production	1	46.28	114.96	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:4D Total	A3-v0	3.29E-10	3.31E-10	4.09E-10	2.46E-10	lbs/ton production	1	24.85	61.73	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:5D 12378	A3-v0	8.61E-11	7.10E-11	1.20E-10	6.70E-11	lbs/ton production	1	34.48	85.65	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:5D Total	A3-v1	3.64E-10	3.57E-10	6.15E-10	1.20E-10	lbs/ton production	1	67.93	168.76	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:6D 123478	A3-v0	2.43E-10	2.13E-10	3.37E-10	1.79E-10	lbs/ton production	1	34.26	85.11	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:6D 123678	A3-v0	4.62E-10	4.02E-10	6.26E-10	3.57E-10	lbs/ton production	1	31.11	77.28	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:6D 123789	A3-v0	9.87E-10	9.23E-10	1.32E-09	7.15E-10	lbs/ton production	1	31.34	77.84	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:6D Total	A3-v0	4.34E-09	3.78E-09	7.22E-09	2.01E-09	lbs/ton production	1	61.03	151.60	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:7D 1234678	A3-v0	1.02E-08	1.16E-08	1.20E-08	6.92E-09	lbs/ton production	1	27.79	69.03	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:7D Total	A3-v0	1.93E-08	2.15E-08	2.41E-08	1.23E-08	lbs/ton production	1	32.12	79.80	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Dioxin:8D	A3-v0	5.19E-08	5.32E-08	6.01E-08	4.24E-08	lbs/ton production	1	17.13	42.55	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:4F 2378	A3-v0	2.49E-09	1.87E-09	4.09E-09	1.52E-09	lbs/ton production	1	55.94	138.96	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:4F Total	A3-v0	1.11E-08	8.52E-09	1.88E-08	6.03E-09	lbs/ton production	1	60.79	151.01	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:5F 12378	A3-v0	8.57E-10	8.04E-10	1.06E-09	7.10E-10	lbs/ton production	1	21.04	52.28	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:5F 23478	A3-v0	1.39E-09	1.37E-09	1.92E-09	8.71E-10	lbs/ton production	1	37.93	94.22	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:5F Total	A3-v0	1.05E-08	1.09E-08	1.37E-08	6.92E-09	lbs/ton production	1	32.45	80.62	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:6F 123478	A3-v0	4.54E-09	4.73E-09	5.77E-09	3.13E-09	lbs/ton production	1	29.34	72.88	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:6F 123678	A3-v0	2.05E-09	2.11E-09	2.65E-09	1.38E-09	lbs/ton production	1	30.94	76.85	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:6F 123789	A3-v0	4.31E-10	4.97E-10	5.05E-10	2.90E-10	lbs/ton production	1	28.24	70.16	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:6F 234678	A3-v0	6.43E-09	7.33E-09	7.70E-09	4.24E-09	lbs/ton production	1	29.54	73.37	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:6F Total	A3-v0	2.26E-08	2.65E-08	2.65E-08	1.50E-08	lbs/ton production	1	29.36	72.93	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:7F 1234678	A3-v0	1.75E-08	1.94E-08	2.24E-08	1.07E-08	lbs/ton production	1	34.60	85.95	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:7F 1234789	A3-v0	6.34E-09	7.22E-09	7.33E-09	4.47E-09	lbs/ton production	1	25.59	63.56	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:7F Total	A3-v0	4.25E-08	4.73E-08	5.44E-08	2.59E-08	lbs/ton production	1	34.84	86.56	1.00
Preheater Kiln, Coal	1	Dioxin/Furan	Furan:8F	A3-v0	1.03E-07	9.82E-08	1.30E-07	8.11E-08	lbs/ton production	1	24.24	60.21	1.00
Preheater Kiln, Coal	1	Metals	Arsenic	D3-v0	3.87E-05	3.89E-05	4.01E-05	3.72E-05	lbs/ton production	1	3.85	9.57	0.00
Preheater Kiln, Coal	1	Metals	Beryllium	D3-v0	1.54E-05	1.56E-05	1.57E-05	1.49E-05	lbs/ton production	1	2.96	7.35	0.00
Preheater Kiln, Coal	1	Metals	Cadmium	D3-v0	1.05E-05	9.85E-06	1.34E-05	8.20E-06	lbs/ton production	1	25.16	62.51	1.00
Preheater Kiln, Coal	1	Metals	Chromium (Hex)	A3-v0	7.00E-05	7.17E-05	7.80E-05	6.04E-05	lbs/ton production	1	12.71	31.57	1.00
Preheater Kiln, Coal	1	Metals	Chromium (Total)	A3-v0	1.12E-04	7.80E-05	1.88E-04	7.10E-05	lbs/ton production	1	58.25	144.70	1.00
Preheater Kiln, Coal	1	Metals	Copper	D3-v1	1.06E-04	4.42E-05	2.33E-04	4.07E-05	lbs/ton production	1	103.71	257.64	1.00
Preheater Kiln, Coal	1	Metals	Lead	D3-v0	4.57E-05	3.92E-05	5.89E-05	3.90E-05	lbs/ton production	1	24.95	61.98	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Preheater Kiln, Coal	1	Metals	Manganese	D3-v0	2.55E-04	1.68E-04	4.43E-04	1.54E-04	lbs/ton production	1	63.93	158.82	0.00
Preheater Kiln, Coal	1	Metals	Mercury	D3-v0	2.23E-04	2.44E-04	2.61E-04	1.64E-04	lbs/ton production	1	23.11	57.41	0.00
Preheater Kiln, Coal	1	Metals	Nickel	D3-v0	5.11E-05	4.49E-05	6.92E-05	3.92E-05	lbs/ton production	1	31.18	77.45	0.00
Preheater Kiln, Coal	1	Metals	Selenium	D3-v0	4.09E-05	3.92E-05	4.63E-05	3.72E-05	lbs/ton production	1	11.79	29.28	0.00
Preheater Kiln, Coal	1	Metals	Zinc	D3-v0	8.09E-04	8.93E-04	1.07E-03	4.65E-04	lbs/ton production	1	38.39	95.36	1.00
Preheater Kiln, Coal	1	PAH	Acenaphthene	C3-v0	3.57E-07	2.31E-07	6.69E-07	1.71E-07	lbs/ton production	1	76.13	189.13	1.00
Preheater Kiln, Coal	1	PAH	Acenaphthylene	C3-v1	7.57E-07	3.28E-07	1.68E-06	2.63E-07	lbs/ton production	1	105.67	262.49	1.00
Preheater Kiln, Coal	1	PAH	Anthracene	C3-v2	9.30E-08	9.62E-10	2.77E-07	9.46E-10	lbs/ton production	1	171.43	425.85	0.99
Preheater Kiln, Coal	1	PAH	Benzo(a)anthracene	C3-v0	1.64E-07	8.40E-08	3.32E-07	7.57E-08	lbs/ton production	1	88.86	220.75	1.00
Preheater Kiln, Coal	1	PAH	Benzo(a)pyrene	C3-v0	2.91E-08	2.08E-08	4.88E-08	1.77E-08	lbs/ton production	1	58.88	146.27	1.00
Preheater Kiln, Coal	1	PAH	Benzo(b)fluoranthene	C3-v0	2.05E-07	1.24E-07	3.90E-07	1.02E-07	lbs/ton production	1	77.93	193.58	1.00
Preheater Kiln, Coal	1	PAH	Benzo(e)pyrene	C3-v0	5.96E-08	4.11E-08	1.04E-07	3.41E-08	lbs/ton production	1	64.29	159.71	1.00
Preheater Kiln, Coal	1	PAH	Benzo(g,h,i)perylene	C3-v0	7.06E-08	6.50E-08	9.72E-08	4.97E-08	lbs/ton production	1	34.34	85.31	1.00
Preheater Kiln, Coal	1	PAH	Benzo(k)fluoranthene	C3-v0	4.67E-10	4.73E-10	4.81E-10	4.47E-10	lbs/ton production	1	3.85	9.57	0.00
Preheater Kiln, Coal	1	PAH	Chrysene	C3-v0	5.19E-07	2.90E-07	1.02E-06	2.48E-07	lbs/ton production	1	83.37	207.10	1.00
Preheater Kiln, Coal	1	PAH	Dibenz(a,h)anthracene	C3-v0	2.77E-08	2.81E-08	3.85E-08	1.63E-08	lbs/ton production	1	40.12	99.65	1.00
Preheater Kiln, Coal	1	PAH	Fluoranthene	C3-v0	2.89E-06	1.46E-06	5.94E-06	1.26E-06	lbs/ton production	1	91.74	227.90	1.00
Preheater Kiln, Coal	1	PAH	Fluorene	C3-v0	9.44E-07	5.30E-07	1.88E-06	4.22E-07	lbs/ton production	1	86.09	213.87	1.00
Preheater Kiln, Coal	1	PAH	Indeno(1,2,3-cd)pyrene	C3-v0	8.25E-08	7.08E-08	1.33E-07	4.42E-08	lbs/ton production	1	54.90	136.39	1.00
Preheater Kiln, Coal	1	PAH	Naphthalene	C3-v1	7.74E-05	3.87E-05	1.87E-04	6.48E-06	lbs/ton production	1	124.45	309.16	1.00
Preheater Kiln, Coal	1	PAH	Phenanthrene	C3-v0	7.06E-06	5.96E-06	9.84E-06	5.37E-06	lbs/ton production	1	34.39	85.44	1.00
Preheater Kiln, Coal	1	PAH	Pyrene	C3-v1	2.44E-06	1.22E-06	5.12E-06	9.70E-07	lbs/ton production	1	95.62	237.53	1.00
Preheater Kiln, Coal	1	Particulate	Particulate	E3-v0	2.10E-01	1.62E-01	3.51E-01	1.17E-01	lbs/ton production	1	59.15	146.94	0.56
Preheater Kiln, Coal	1	SVOC	2-Chloronaphthalene	C3-v0	1.55E-07	1.05E-07	2.79E-07	8.00E-08	lbs/ton production	1	70.12	174.19	1.00
Preheater Kiln, Coal	1	SVOC	2-Methylnaphthalene	C3-v0	4.81E-06	2.57E-06	9.31E-06	2.55E-06	lbs/ton production	1	80.98	201.17	1.00
Preheater Kiln, Coal	1	SVOC	Perylene	C3-v1	8.84E-09	5.36E-09	2.00E-08	1.18E-09	lbs/ton production	1	111.61	277.26	0.96
Presser, Fiberboard	1	VOC	Formaldehyde	A3-v0	6.60E-02	6.89E-02	9.15E-02	3.75E-02	lbs/ton production	1	41.12	102.14	1.00
Reboiler, Ethylene Glycol	1	SVOC	Ethylbenzene	C3-v0	7.29E-03	7.23E-03	9.15E-03	5.49E-03	lbs/MMcf	1	25.12	62.41	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Reboiler, Ethylene Glycol	1	VOC	Benzene	C3-v0	2.45E-01	2.43E-01	2.83E-01	2.09E-01	lbs/MMcf	1	15.16	37.66	1.00
Reboiler, Ethylene Glycol	1	VOC	Formaldehyde	C3-v0	3.79E-05	3.28E-05	4.90E-05	3.20E-05	lbs/MMcf	1	25.40	63.09	1.00
Reboiler, Ethylene Glycol	1	VOC	Hydrogen Sulfide	C3-v1	5.49E-02	2.94E-02	1.15E-01	2.07E-02	lbs/MMcf	1	94.42	234.56	1.00
Reboiler, Ethylene Glycol	1	VOC	Toluene	C3-v0	1.64E-01	1.51E-01	1.92E-01	1.51E-01	lbs/MMcf	1	14.68	36.46	1.00
Reboiler, Ethylene Glycol	1	VOC	Xylene (m)	C3-v0	1.67E-02	1.64E-02	2.31E-02	1.06E-02	lbs/MMcf	1	37.54	93.25	1.00
Reboiler, Ethylene Glycol	1	VOC	Xylene (o)	C3-v0	6.36E-03	6.65E-03	8.58E-03	3.85E-03	lbs/MMcf	1	37.33	92.73	1.00
Reboiler, Ethylene Glycol	1	VOC	Xylene (p)	C3-v0	6.14E-03	6.26E-03	7.81E-03	4.34E-03	lbs/MMcf	1	28.33	70.38	1.00
Reboiler, Triethylene Glycol	1	SVOC	Ethylbenzene	C3-v0	2.69E-02	2.74E-02	2.88E-02	2.45E-02	lbs/MMcf	1	8.18	20.33	1.00
Reboiler, Triethylene Glycol	1	VOC	Benzene	C3-v0	1.51E-01	1.41E-01	1.92E-01	1.21E-01	lbs/MMcf	1	24.04	59.71	1.00
Reboiler, Triethylene Glycol	1	VOC	Formaldehyde	C3-v1	3.50E-05	2.20E-05	6.97E-05	1.33E-05	lbs/MMcf	1	86.74	215.48	1.00
Reboiler, Triethylene Glycol	1	VOC	Hydrogen Sulfide	C3-v0	4.42E-03	3.75E-03	6.49E-03	3.01E-03	lbs/MMcf	1	41.43	102.93	1.00
Reboiler, Triethylene Glycol	1	VOC	Toluene	C3-v0	1.75E-01	1.63E-01	2.00E-01	1.63E-01	lbs/MMcf	1	12.37	30.73	1.00
Reboiler, Triethylene Glycol	1	VOC	Xylene (m)	C3-v0	3.56E-02	3.61E-02	3.75E-02	3.32E-02	lbs/MMcf	1	6.19	15.38	1.00
Reboiler, Triethylene Glycol	1	VOC	Xylene (o)	C3-v0	2.50E-02	2.60E-02	2.60E-02	2.31E-02	lbs/MMcf	1	6.66	16.55	1.00
Reboiler, Triethylene Glycol	1	VOC	Xylene (p)	C3-v0	1.32E-02	1.33E-02	1.41E-02	1.23E-02	lbs/MMcf	1	7.10	17.63	1.00
Roaster, Green beans	1	VOC	Acrolein	C3-v0	1.21E-04	1.21E-04	1.23E-04	1.20E-04	lbs/ton production	1	1.32	3.29	0.00
SG, Crude Oil	1	Halogens	HCl	C3-v0	1.90E-04	1.83E-04	2.09E-04	1.77E-04	lbs/Mgal	1	8.92	22.16	1.00
SG, Crude Oil	1	Metals	Arsenic	D2-v1	9.97E-04	6.35E-04	2.85E-03	3.58E-04	lbs/Mgal	3	83.25	63.99	1.00
SG, Crude Oil	1	Metals	Beryllium	D2-v1	2.08E-04	2.40E-04	3.19E-04	4.71E-05	lbs/Mgal	3	58.45	44.93	0.47
SG, Crude Oil	1	Metals	Cadmium	D2-v1	1.63E-04	1.46E-04	5.45E-04	2.40E-05	lbs/Mgal	3	100.53	77.27	1.00
SG, Crude Oil	1	Metals	Chromium (Hex)	B2-v1	1.65E-04	1.50E-04	3.36E-04	5.73E-05	lbs/Mgal	3	55.52	42.68	0.47
SG, Crude Oil	1	Metals	Chromium (Total)	B2-v1	8.58E-04	5.76E-04	2.16E-03	1.53E-04	lbs/Mgal	3	84.23	64.74	1.00
SG, Crude Oil	1	Metals	Copper	D2-v0	9.93E-04	9.31E-04	1.84E-03	4.78E-04	lbs/Mgal	3	47.12	36.22	1.00
SG, Crude Oil	1	Metals	Lead	D2-v0	2.83E-04	2.60E-04	4.90E-04	1.79E-04	lbs/Mgal	3	33.44	25.71	0.52
SG, Crude Oil	1	Metals	Manganese	D2-v1	3.02E-03	2.81E-03	5.73E-03	2.44E-04	lbs/Mgal	3	63.89	59.09	1.00
SG, Crude Oil	1	Metals	Mercury	D2-v3	2.19E-03	5.18E-05	5.17E-03	8.63E-06	lbs/Mgal	3	122.81	113.58	1.00
SG, Crude Oil	1	Metals	Nickel	D2-v0	3.61E-01	3.58E-01	4.01E-01	3.26E-01	lbs/Mgal	3	5.82	4.48	1.00
SG, Crude Oil	1	Metals	Phosphorus	D3-v1	2.65E-02	1.45E-02	6.78E-02	2.73E-03	lbs/Mgal	2	101.41	106.42	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
SG, Crude Oil	1	Metals	Selenium	D2-v1	1.18E-03	4.44E-04	3.09E-03	1.79E-04	lbs/Mgal	3	107.66	82.76	0.96
SG, Crude Oil	1	Metals	Zinc	D2-v2	8.11E-02	2.87E-02	2.60E-01	2.40E-03	lbs/Mgal	3	127.20	97.77	0.94
SG, Crude Oil	1	PAH	Acenaphthene	C3-v2	3.80E-05	2.07E-05	9.22E-05	1.07E-06	lbs/Mgal	2	110.99	116.47	1.00
SG, Crude Oil	1	PAH	Acenaphthylene	C2-v2	7.48E-06	6.56E-06	1.79E-05	2.13E-07	lbs/Mgal	3	83.42	64.12	0.47
SG, Crude Oil	1	PAH	Anthracene	C2-v2	7.69E-06	3.14E-06	2.51E-05	3.20E-07	lbs/Mgal	3	134.01	112.03	1.00
SG, Crude Oil	1	PAH	Benzo(a)anthracene	C2-v1	7.74E-06	8.22E-06	1.49E-05	5.34E-07	lbs/Mgal	3	72.06	60.25	0.42
SG, Crude Oil	1	PAH	Benzo(a)pyrene	C3-v1	8.03E-06	9.50E-06	1.25E-05	5.34E-07	lbs/Mgal	2	60.41	63.40	0.24
SG, Crude Oil	1	PAH	Benzo(b)fluoranthene	C3-v1	7.11E-06	4.27E-06	1.60E-05	1.07E-06	lbs/Mgal	1	110.57	274.66	0.00
SG, Crude Oil	1	PAH	Benzo(b+k)fluoranthene	C3-v0	1.20E-05	1.19E-05	1.25E-05	1.15E-05	lbs/Mgal	1	4.07	10.12	0.00
SG, Crude Oil	1	PAH	Benzo(g,h,i)perylene	C3-v1	7.76E-06	8.96E-06	1.25E-05	1.07E-06	lbs/Mgal	2	63.37	66.51	0.21
SG, Crude Oil	1	PAH	Benzo(k)fluoranthene	C3-v1	6.05E-07	5.34E-07	1.07E-06	2.13E-07	lbs/Mgal	1	71.32	177.17	0.00
SG, Crude Oil	1	PAH	Chrysene	C2-v1	1.12E-05	1.15E-05	3.45E-05	1.07E-06	lbs/Mgal	3	93.50	71.87	0.64
SG, Crude Oil	1	PAH	Dibenz(a,h)anthracene	C3-v1	7.94E-06	9.50E-06	1.25E-05	1.07E-06	lbs/Mgal	2	61.45	64.49	0.00
SG, Crude Oil	1	PAH	Fluoranthene	C2-v1	1.31E-05	1.15E-05	5.23E-05	1.07E-06	lbs/Mgal	3	116.13	89.26	0.70
SG, Crude Oil	1	PAH	Fluorene	C2-v1	1.42E-05	7.13E-06	4.59E-05	1.07E-06	lbs/Mgal	3	116.91	89.86	1.00
SG, Crude Oil	1	PAH	Indeno(1,2,3-cd)pyrene	C3-v1	7.94E-06	1.00E-05	1.25E-05	1.07E-06	lbs/Mgal	2	64.32	67.50	0.22
SG, Crude Oil	1	PAH	Naphthalene	C2-v1	7.96E-04	4.51E-04	1.62E-03	2.12E-04	lbs/Mgal	3	81.32	67.99	1.00
SG, Crude Oil	1	PAH	Phenanthrene	C2-v2	2.49E-05	6.99E-06	1.62E-04	2.20E-06	lbs/Mgal	3	208.44	160.22	1.00
SG, Crude Oil	1	PAH	Pyrene	C2-v2	2.27E-05	1.25E-05	7.22E-05	1.07E-06	lbs/Mgal	3	95.89	73.70	0.82
SG, Crude Oil	1	SVOC	Benzaldehyde	A3-v0	7.03E-03	7.27E-03	7.34E-03	6.49E-03	lbs/Mgal	1	6.71	16.68	0.00
SG, Crude Oil	1	VOC	Acetaldehyde	A3-v0	2.67E-03	2.16E-03	5.10E-03	1.18E-03	lbs/Mgal	2	52.69	40.50	0.54
SG, Crude Oil	1	VOC	Acrolein	A3-v1	1.78E-03	4.99E-04	4.55E-03	4.99E-04	lbs/Mgal	2	108.34	83.28	0.00
SG, Crude Oil	1	VOC	Benzene	B3-v0	6.13E-04	6.60E-04	9.90E-04	3.00E-04	lbs/Mgal	2	44.18	33.96	0.36
SG, Crude Oil	1	VOC	Formaldehyde	A3-v0	9.44E-04	8.09E-04	1.64E-03	4.05E-04	lbs/Mgal	2	52.64	40.46	0.44
SG, Crude Oil	1	VOC	Propylene	B3-v2	5.80E-02	1.87E-03	1.70E-01	1.87E-03	lbs/Mgal	2	145.15	111.58	0.00
SG, Crude Oil	1	VOC	Toluene	B3-v1	3.56E-03	2.05E-03	1.16E-02	2.05E-03	lbs/Mgal	2	88.54	68.06	0.74
SG, Crude Oil	1	VOC	Xylene (Total)	B3-v1	3.29E-03	4.72E-03	4.72E-03	4.29E-04	lbs/Mgal	2	65.22	50.13	0.00
SG, Natural Gas	1	VOC	Acetaldehyde	A3-v0	1.56E-02	1.57E-02	1.66E-02	1.44E-02	lbs/MMcf	1	7.27	18.05	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
SG, Natural Gas	1	VOC	Acrolein	A3-v0	1.84E-02	1.75E-02	2.22E-02	1.55E-02	lbs/MMcf	1	18.73	46.53	1.00
SG, Natural Gas	1	VOC	Benzene	B3-v0	3.86E-03	3.87E-03	3.88E-03	3.83E-03	lbs/MMcf	2	0.57	0.60	0.00
SG, Natural Gas	1	VOC	Formaldehyde	A3-v1	2.95E-02	1.83E-02	9.16E-02	3.96E-03	lbs/MMcf	2	111.23	116.73	1.00
SG, Natural Gas	1	VOC	Propylene	C3-v0	1.09E-01	1.09E-01	1.09E-01	1.09E-01	lbs/MMcf	1	0.36	0.89	0.00
SG, Natural Gas	1	VOC	Toluene	B3-v0	1.20E-02	1.20E-02	1.20E-02	1.19E-02	lbs/MMcf	2	0.57	0.60	0.00
SG, Natural Gas	1	VOC	Xylene (Total)	B3-v0	2.76E-02	2.76E-02	2.77E-02	2.74E-02	lbs/MMcf	2	0.57	0.60	0.00
SG, Natural/CVR Gas	1	PAH	Acenaphthene	A3-v1	1.04E-06	7.23E-07	2.38E-06	4.12E-07	lbs/MMcf	2	69.67	73.12	0.72
SG, Natural/CVR Gas	1	PAH	Acenaphthylene	A3-v1	2.70E-06	6.70E-07	1.03E-05	4.12E-07	lbs/MMcf	2	144.60	151.75	0.85
SG, Natural/CVR Gas	1	PAH	Anthracene	A3-v1	2.09E-06	2.28E-06	3.82E-06	4.12E-07	lbs/MMcf	2	62.45	65.54	0.97
SG, Natural/CVR Gas	1	PAH	Benzo(a)anthracene	A3-v0	1.22E-06	1.12E-06	2.16E-06	6.82E-07	lbs/MMcf	2	40.32	42.31	0.45
SG, Natural/CVR Gas	1	PAH	Benzo(a)pyrene	A3-v0	6.86E-07	6.46E-07	1.33E-06	3.98E-07	lbs/MMcf	2	49.51	51.96	0.32
SG, Natural/CVR Gas	1	PAH	Benzo(b)fluoranthene	A3-v1	2.00E-06	9.18E-07	4.78E-06	6.36E-07	lbs/MMcf	2	95.49	100.21	0.84
SG, Natural/CVR Gas	1	PAH	Benzo(g,h,i)perylene	A3-v0	9.80E-07	6.70E-07	1.75E-06	4.12E-07	lbs/MMcf	2	61.38	64.41	0.59
SG, Natural/CVR Gas	1	PAH	Benzo(k)fluoranthene	A3-v0	8.21E-07	6.70E-07	1.39E-06	4.12E-07	lbs/MMcf	2	44.95	47.18	0.52
SG, Natural/CVR Gas	1	PAH	Chrysene	A3-v0	1.55E-06	1.83E-06	2.16E-06	6.82E-07	lbs/MMcf	2	38.63	40.54	0.33
SG, Natural/CVR Gas	1	PAH	Dibenz(a,h)anthracene	A3-v0	5.30E-07	5.24E-07	6.82E-07	3.96E-07	lbs/MMcf	2	26.65	27.97	0.00
SG, Natural/CVR Gas	1	PAH	Fluoranthene	A3-v1	3.66E-06	1.71E-06	9.03E-06	1.01E-06	lbs/MMcf	2	98.55	103.43	1.00
SG, Natural/CVR Gas	1	PAH	Fluorene	A3-v1	5.63E-06	2.47E-06	1.30E-05	1.77E-06	lbs/MMcf	2	95.48	100.20	1.00
SG, Natural/CVR Gas	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v1	1.17E-06	6.70E-07	2.38E-06	4.12E-07	lbs/MMcf	2	76.13	79.90	0.66
SG, Natural/CVR Gas	1	PAH	Naphthalene	A3-v0	2.89E-04	2.24E-04	5.54E-04	1.50E-04	lbs/MMcf	2	56.04	58.81	1.00
SG, Natural/CVR Gas	1	PAH	Phenanthrene	A3-v0	1.64E-05	1.21E-05	3.17E-05	6.59E-06	lbs/MMcf	2	64.15	67.32	1.00
SG, Natural/CVR Gas	1	PAH	Pyrene	A3-v1	6.00E-06	2.78E-06	1.74E-05	8.19E-07	lbs/MMcf	2	109.69	115.11	1.00
SG, Natural/CVR Gas	1	SVOC	Ethylbenzene	A3-v1	9.22E-03	7.34E-03	1.86E-02	3.69E-03	lbs/MMcf	2	55.96	58.72	0.54
SG, Natural/CVR Gas	1	VOC	Acetaldehyde	A2-v1	1.12E-02	1.02E-02	2.67E-02	5.02E-03	lbs/MMcf	4	55.73	35.41	0.84
SG, Natural/CVR Gas	1	VOC	Acrolein	A2-v0	1.05E-02	1.07E-02	1.82E-02	5.02E-03	lbs/MMcf	4	37.86	24.06	0.88
SG, Natural/CVR Gas	1	VOC	Benzene	B1-v0	3.33E-03	2.68E-03	6.21E-03	2.36E-03	lbs/MMcf	5	44.41	24.59	0.00
SG, Natural/CVR Gas	1	VOC	Formaldehyde	A2-v1	1.58E-02	9.51E-03	7.01E-02	5.02E-03	lbs/MMcf	4	117.82	74.86	0.70
SG, Natural/CVR Gas	1	VOC	Hydrogen Sulfide	C3-v0	1.48E-01	1.43E-01	2.28E-01	7.39E-02	lbs/MMcf	1	51.99	129.14	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
SG, Natural/CVR Gas	1	VOC	Propylene	C2-v2	1.83E-01	7.80E-02	6.30E-01	6.71E-03	lbs/MMcf	4	117.13	74.42	0.72
SG, Natural/CVR Gas	1	VOC	Toluene	B1-v0	1.37E-02	9.47E-03	3.08E-02	7.33E-03	lbs/MMcf	5	59.41	32.90	0.64
SG, Natural/CVR Gas	1	VOC	Xylene (Total)	B1-v0	1.85E-02	1.70E-02	4.03E-02	1.11E-02	lbs/MMcf	5	36.66	20.30	0.23
Shredding & Delaquering, Aluminum	1	Metals	Antimony	C3-v0	2.54E-05	2.46E-05	2.87E-05	2.31E-05	lbs/ton production	1	11.52	28.62	1.00
Shredding & Delaquering, Aluminum	1	Metals	Arsenic	C3-v0	4.29E-06	3.93E-06	5.03E-06	3.90E-06	lbs/ton production	1	15.10	37.50	0.39
Shredding & Delaquering, Aluminum	1	Metals	Barium	C3-v0	1.08E-03	1.35E-03	1.47E-03	4.31E-04	lbs/ton production	1	52.42	130.22	1.00
Shredding & Delaquering, Aluminum	1	Metals	Beryllium	C3-v0	7.77E-05	7.79E-05	7.86E-05	7.66E-05	lbs/ton production	1	1.36	3.37	0.00
Shredding & Delaquering, Aluminum	1	Metals	Cadmium	C3-v0	9.39E-06	1.23E-05	1.25E-05	3.37E-06	lbs/ton production	1	55.56	138.01	1.00
Shredding & Delaquering, Aluminum	1	Metals	Chromium (Total)	C3-v0	1.36E-04	1.38E-04	1.42E-04	1.28E-04	lbs/ton production	1	5.57	13.83	1.00
Shredding & Delaquering, Aluminum	1	Metals	Copper	C3-v0	7.83E-05	7.86E-05	9.66E-05	5.97E-05	lbs/ton production	1	23.57	58.55	0.67
Shredding & Delaquering, Aluminum	1	Metals	Lead	C3-v0	3.48E-05	3.19E-05	4.97E-05	2.28E-05	lbs/ton production	1	39.33	97.71	1.00
Shredding & Delaquering, Aluminum	1	Metals	Manganese	C3-v0	2.21E-04	1.67E-04	3.49E-04	1.47E-04	lbs/ton production	1	50.46	125.36	1.00
Shredding & Delaquering, Aluminum	1	Metals	Mercury	C3-v0	1.88E-05	1.80E-05	2.20E-05	1.66E-05	lbs/ton production	1	14.91	37.05	1.00
Shredding & Delaquering, Aluminum	1	Metals	Nickel	C3-v0	1.58E-04	1.12E-04	2.70E-04	9.17E-05	lbs/ton production	1	61.89	153.74	1.00
Shredding & Delaquering, Aluminum	1	Metals	Selenium	C3-v0	8.05E-06	8.07E-06	8.14E-06	7.93E-06	lbs/ton production	1	1.31	3.25	0.00
Shredding & Delaquering, Aluminum	1	Metals	Silver	C3-v0	7.77E-05	7.79E-05	7.86E-05	7.66E-05	lbs/ton production	1	1.36	3.37	0.00
Shredding & Delaquering, Aluminum	1	Metals	Thallium	C3-v0	1.74E-06	1.72E-06	1.91E-06	1.59E-06	lbs/ton production	1	9.25	22.98	1.00
Shredding & Delaquering, Aluminum	1	Metals	Zinc	C3-v0	3.53E-04	3.24E-04	4.14E-04	3.21E-04	lbs/ton production	1	14.92	37.07	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:4D 2378	C3-v0	4.41E-11	4.41E-11	4.48E-11	4.34E-11	lbs/ton production	1	2.18	19.60	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:4D Total	C3-v0	1.07E-09	1.07E-09	1.16E-09	9.77E-10	lbs/ton production	1	12.29	110.45	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:5D 12378	C3-v0	1.59E-10	1.59E-10	1.63E-10	1.55E-10	lbs/ton production	1	3.45	31.03	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:5D Total	C3-v0	1.43E-09	1.43E-09	1.47E-09	1.38E-09	lbs/ton production	1	4.41	39.61	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:6D 123478	C3-v0	9.54E-11	9.54E-11	9.77E-11	9.31E-11	lbs/ton production	1	3.45	31.03	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:6D 123678	C3-v0	1.19E-10	1.19E-10	1.22E-10	1.16E-10	lbs/ton production	1	3.44	30.94	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:6D 123789	C3-v0	1.19E-10	1.19E-10	1.22E-10	1.16E-10	lbs/ton production	1	3.44	30.93	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:6D Total	C3-v0	1.75E-09	1.75E-09	1.79E-09	1.71E-09	lbs/ton production	1	3.44	30.95	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:7D 1234678	C3-v0	6.49E-10	6.49E-10	6.92E-10	6.05E-10	lbs/ton production	1	9.52	85.49	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:7D Total	C3-v0	1.31E-09	1.31E-09	1.38E-09	1.24E-09	lbs/ton production	1	7.73	69.49	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Dioxin:8D	C3-v0	7.43E-10	7.43E-10	7.61E-10	7.25E-10	lbs/ton production	1	3.43	30.83	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:4F 2378	C3-v0	5.20E-10	5.20E-10	5.35E-10	5.05E-10	lbs/ton production	1	4.11	36.94	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:4F Total	C3-v0	1.39E-08	1.39E-08	1.55E-08	1.22E-08	lbs/ton production	1	16.81	151.00	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:5F 12378	C3-v0	7.58E-10	7.58E-10	7.76E-10	7.41E-10	lbs/ton production	1	3.21	28.88	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:5F 23478	C3-v0	1.07E-09	1.07E-09	1.09E-09	1.06E-09	lbs/ton production	1	1.79	16.04	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:5F Total	C3-v0	1.31E-08	1.31E-08	1.40E-08	1.22E-08	lbs/ton production	1	9.42	84.66	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:6F 123478	C3-v0	1.03E-09	1.03E-09	1.06E-09	1.01E-09	lbs/ton production	1	3.45	31.03	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:6F 123678	C3-v0	1.03E-09	1.03E-09	1.06E-09	1.01E-09	lbs/ton production	1	3.46	31.05	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:6F 123789	C3-v0	4.93E-10	4.93E-10	4.97E-10	4.89E-10	lbs/ton production	1	1.17	10.54	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:6F 234678	C3-v0	8.75E-10	8.75E-10	8.96E-10	8.53E-10	lbs/ton production	1	3.44	30.95	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:6F Total	C3-v0	1.15E-08	1.15E-08	1.16E-08	1.14E-08	lbs/ton production	1	1.42	12.78	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:7F 1234678	C3-v0	2.74E-09	2.74E-09	2.85E-09	2.64E-09	lbs/ton production	1	5.50	49.44	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:7F 1234789	C3-v0	6.08E-10	6.08E-10	6.11E-10	6.05E-10	lbs/ton production	1	0.68	6.12	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:7F Total	C3-v0	5.53E-09	5.53E-09	5.70E-09	5.35E-09	lbs/ton production	1	4.47	40.18	1.00
Shredding & Delaquering, Aluminum	2	Dioxin/Furan	Furan:8F	C3-v0	1.35E-09	1.35E-09	1.38E-09	1.32E-09	lbs/ton production	1	3.46	31.04	1.00
Turbine, Distillate	1	PAH	Acenaphthene	B2-v2	9.69E-05	3.93E-05	3.06E-04	2.19E-06	lbs/Mgal	3	119.31	91.71	0.12
Turbine, Distillate	1	PAH	Acenaphthylene	B2-v2	8.61E-05	6.19E-06	3.06E-04	2.59E-06	lbs/Mgal	3	141.88	109.06	0.06
Turbine, Distillate	1	PAH	Anthracene	B2-v2	9.80E-05	4.94E-05	3.06E-04	2.46E-06	lbs/Mgal	3	119.62	91.95	0.17
Turbine, Distillate	1	PAH	Benzo(a)anthracene	B2-v2	8.53E-05	7.48E-06	3.06E-04	2.46E-06	lbs/Mgal	3	143.88	110.60	0.01
Turbine, Distillate	1	PAH	Benzo(a)pyrene	B2-v2	8.33E-05	4.31E-06	3.06E-04	2.46E-06	lbs/Mgal	3	148.87	114.43	0.01
Turbine, Distillate	1	PAH	Benzo(b)fluoranthene	A3-v2	1.32E-04	1.03E-04	3.06E-04	4.93E-06	lbs/Mgal	2	97.77	102.61	0.08
Turbine, Distillate	1	PAH	Benzo(b+k)fluoranthene	C3-v0	2.52E-06	2.52E-06	2.59E-06	2.46E-06	lbs/Mgal	1	2.62	6.50	0.00
Turbine, Distillate	1	PAH	Benzo(g,h,i)perylene	B2-v2	8.26E-05	2.74E-06	3.06E-04	9.86E-07	lbs/Mgal	3	150.78	115.90	0.01
Turbine, Distillate	1	PAH	Benzo(k)fluoranthene	A3-v2	1.30E-04	1.07E-04	3.06E-04	2.67E-06	lbs/Mgal	2	100.54	105.51	0.07
Turbine, Distillate	1	PAH	Chrysene	B2-v2	1.03E-04	8.11E-05	3.06E-04	2.46E-06	lbs/Mgal	3	111.88	86.00	0.21
Turbine, Distillate	1	PAH	Dibenz(a,h)anthracene	B2-v2	8.25E-05	2.59E-06	3.06E-04	1.55E-06	lbs/Mgal	3	150.98	116.06	0.01
Turbine, Distillate	1	PAH	Fluoranthene	B2-v2	1.25E-04	7.73E-05	3.06E-04	4.25E-06	lbs/Mgal	3	95.95	73.75	0.35
Turbine, Distillate	1	PAH	Fluorene	B2-v2	1.27E-04	1.07E-04	3.06E-04	2.59E-06	lbs/Mgal	3	82.64	63.52	0.36

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Turbine, Distillate	1	PAH	Indeno(1,2,3-cd)pyrene	B2-v2	8.26E-05	2.59E-06	3.06E-04	9.65E-07	lbs/Mgal	3	150.63	115.79	0.01
Turbine, Distillate	1	PAH	Naphthalene	B2-v1	1.08E-02	6.53E-03	2.77E-02	3.41E-03	lbs/Mgal	3	79.58	61.17	1.00
Turbine, Distillate	1	PAH	Phenanthrene	B2-v2	4.12E-04	2.49E-04	2.04E-03	8.39E-06	lbs/Mgal	3	155.54	119.56	1.00
Turbine, Distillate	1	PAH	Pyrene	B2-v2	1.01E-04	4.25E-05	3.06E-04	2.59E-06	lbs/Mgal	3	112.94	86.82	0.20
Turbine, Distillate	1	VOC	Formaldehyde	C3-v1	3.19E-02	3.12E-02	7.31E-02	3.80E-03	lbs/Mgal	2	83.25	87.36	1.00
Turbine, Distillate	2	Dioxin/Furan	Dioxin:4D Total	C3-v1	3.74E-09	1.12E-09	9.61E-09	4.84E-10	lbs/Mgal	1	136.40	338.83	0.86
Turbine, Distillate	2	Dioxin/Furan	Dioxin:5D Total	C3-v2	7.15E-09	8.22E-10	2.04E-08	2.21E-10	lbs/Mgal	1	160.64	399.05	0.95
Turbine, Distillate	2	Dioxin/Furan	Dioxin:6D Total	C3-v1	9.00E-09	2.52E-09	2.22E-08	2.26E-09	lbs/Mgal	1	127.17	315.91	1.00
Turbine, Distillate	2	Dioxin/Furan	Dioxin:7D Total	C3-v0	1.68E-08	1.23E-08	2.76E-08	1.05E-08	lbs/Mgal	1	55.86	138.76	1.00
Turbine, Distillate	2	Dioxin/Furan	Dioxin:8D	C3-v0	1.07E-07	1.17E-07	1.20E-07	8.41E-08	lbs/Mgal	1	18.67	46.38	1.00
Turbine, Distillate	2	Dioxin/Furan	Furan:4F Total	C3-v2	3.34E-08	2.64E-09	9.61E-08	1.37E-09	lbs/Mgal	1	162.81	404.44	1.00
Turbine, Distillate	2	Dioxin/Furan	Furan:5F Total	C3-v2	4.67E-08	7.04E-09	1.32E-07	9.99E-10	lbs/Mgal	1	158.43	393.56	1.00
Turbine, Distillate	2	Dioxin/Furan	Furan:6F Total	C3-v2	2.41E-08	5.52E-09	6.60E-08	7.36E-10	lbs/Mgal	1	151.06	375.26	1.00
Turbine, Distillate	2	Dioxin/Furan	Furan:7F Total	C3-v1	1.67E-08	6.46E-09	3.96E-08	4.00E-09	lbs/Mgal	1	119.21	296.13	1.00
Turbine, Distillate	2	Dioxin/Furan	Furan:8F	C3-v0	8.61E-09	7.04E-09	1.50E-08	3.79E-09	lbs/Mgal	1	67.04	166.55	0.85
Turbine, Distillate	2	Halogens	HCl	C3-v0	8.09E-02	8.22E-02	8.61E-02	7.43E-02	lbs/Mgal	1	7.47	18.55	1.00
Turbine, Distillate	2	Metals	Arsenic	D3-v0	2.02E-04	2.56E-04	2.72E-04	7.88E-05	lbs/Mgal	1	52.99	131.63	1.00
Turbine, Distillate	2	Metals	Beryllium	D3-v1	5.43E-05	1.69E-05	1.37E-04	8.96E-06	lbs/Mgal	1	132.14	328.26	0.84
Turbine, Distillate	2	Metals	Cadmium	D3-v0	3.25E-04	3.49E-04	3.56E-04	2.71E-04	lbs/Mgal	1	14.64	36.38	0.00
Turbine, Distillate	2	Metals	Chromium (Hex)	A3-v0	1.08E-05	1.04E-05	1.64E-05	5.60E-06	lbs/Mgal	1	50.06	124.34	1.00
Turbine, Distillate	2	Metals	Chromium (Total)	A3-v0	4.24E-04	4.10E-04	5.60E-04	3.04E-04	lbs/Mgal	1	30.31	75.30	0.76
Turbine, Distillate	2	Metals	Copper	D3-v0	9.98E-04	1.00E-03	1.48E-03	5.11E-04	lbs/Mgal	1	48.58	120.68	1.00
Turbine, Distillate	2	Metals	Lead	D3-v0	6.08E-04	7.04E-04	7.18E-04	4.02E-04	lbs/Mgal	1	29.34	72.88	1.00
Turbine, Distillate	2	Metals	Manganese	D3-v0	1.03E-02	8.96E-03	1.43E-02	7.60E-03	lbs/Mgal	1	34.45	85.58	1.00
Turbine, Distillate	2	Metals	Mercury	D3-v0	2.71E-06	1.64E-06	5.14E-06	1.34E-06	lbs/Mgal	1	78.01	193.78	1.00
Turbine, Distillate	2	Metals	Nickel	D3-v2	4.88E-02	2.71E-03	1.42E-01	1.12E-03	lbs/Mgal	1	166.42	413.41	1.00
Turbine, Distillate	2	Metals	Selenium	D3-v0	8.39E-06	8.96E-06	9.13E-06	7.09E-06	lbs/Mgal	1	13.50	33.53	0.00
Turbine, Distillate	2	Metals	Zinc	D3-v1	5.38E-02	1.35E-02	1.42E-01	5.58E-03	lbs/Mgal	1	142.77	354.67	1.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Turbine, Distillate	2	PAH	Acenaphthene	C3-v1	1.82E-05	1.23E-05	5.53E-05	2.37E-06	lbs/Mgal	2	111.57	117.08	0.76
Turbine, Distillate	2	PAH	Acenaphthylene	C3-v1	6.32E-06	3.23E-06	2.22E-05	2.70E-06	lbs/Mgal	2	123.35	129.45	0.59
Turbine, Distillate	2	PAH	Anthracene	C3-v1	1.56E-05	7.68E-06	4.92E-05	2.35E-06	lbs/Mgal	2	116.84	122.62	0.32
Turbine, Distillate	2	PAH	Benzo(a)anthracene	C3-v1	4.22E-06	3.39E-06	9.47E-06	9.01E-07	lbs/Mgal	2	69.39	72.82	0.00
Turbine, Distillate	2	PAH	Benzo(a)pyrene	C3-v1	8.61E-06	5.05E-06	2.89E-05	2.90E-06	lbs/Mgal	2	117.12	122.91	0.56
Turbine, Distillate	2	PAH	Benzo(b)fluoranthene	C3-v0	2.15E-05	1.82E-05	3.73E-05	9.01E-06	lbs/Mgal	1	67.21	166.95	0.86
Turbine, Distillate	2	PAH	Benzo(b+k)fluoranthene	C3-v0	3.23E-06	3.14E-06	3.65E-06	2.90E-06	lbs/Mgal	1	11.83	29.38	0.00
Turbine, Distillate	2	PAH	Benzo(g,h,i)perylene	C3-v1	2.18E-06	2.34E-06	3.65E-06	4.32E-07	lbs/Mgal	2	57.33	60.16	0.00
Turbine, Distillate	2	PAH	Benzo(k)fluoranthene	C3-v0	6.92E-06	8.41E-06	9.99E-06	2.35E-06	lbs/Mgal	1	58.35	144.95	0.00
Turbine, Distillate	2	PAH	Chrysene	C3-v0	4.82E-06	3.68E-06	9.99E-06	2.90E-06	lbs/Mgal	2	55.94	58.71	0.00
Turbine, Distillate	2	PAH	Dibenz(a,h)anthracene	C3-v0	2.30E-06	2.63E-06	3.65E-06	8.41E-07	lbs/Mgal	2	51.65	54.20	0.00
Turbine, Distillate	2	PAH	Fluoranthene	C3-v1	1.34E-05	1.06E-05	2.68E-05	2.90E-06	lbs/Mgal	2	86.76	91.05	0.88
Turbine, Distillate	2	PAH	Fluorene	C3-v1	1.76E-05	1.67E-05	3.48E-05	3.82E-06	lbs/Mgal	2	69.22	72.65	0.21
Turbine, Distillate	2	PAH	Indeno(1,2,3-cd)pyrene	C3-v1	2.29E-06	2.58E-06	3.65E-06	3.36E-07	lbs/Mgal	2	53.19	55.82	0.00
Turbine, Distillate	2	PAH	Naphthalene	C3-v0	3.87E-04	3.81E-04	5.34E-04	2.62E-04	lbs/Mgal	2	27.98	29.36	1.00
Turbine, Distillate	2	PAH	Phenanthrene	C3-v1	6.91E-05	5.41E-05	1.62E-04	1.27E-05	lbs/Mgal	2	86.32	90.58	1.00
Turbine, Distillate	2	PAH	Pyrene	C3-v1	1.44E-05	1.05E-05	3.78E-05	2.90E-06	lbs/Mgal	2	97.30	102.11	0.89
Turbine, Distillate	2	VOC	Benzene	C3-v0	1.13E-02	1.13E-02	1.18E-02	1.07E-02	lbs/Mgal	1	7.01	63.01	1.00
Turbine, Distillate	2	VOC	Formaldehyde	C3-v1	7.05E-02	5.93E-02	1.56E-01	8.17E-03	lbs/Mgal	2	96.86	101.64	1.00
Turbine, Field Gas	1	PAH	Acenaphthene	C3-v0	1.62E-05	1.24E-05	2.58E-05	1.04E-05	lbs/MMcf	1	51.80	128.68	0.75
Turbine, Field Gas	1	PAH	Acenaphthylene	C3-v0	1.10E-06	1.07E-06	1.24E-06	9.98E-07	lbs/MMcf	1	11.17	27.75	0.00
Turbine, Field Gas	1	PAH	Anthracene	C3-v0	2.48E-07	2.80E-07	2.85E-07	1.80E-07	lbs/MMcf	1	23.99	59.61	0.00
Turbine, Field Gas	1	PAH	Benzo(a)anthracene	C3-v0	3.30E-07	3.74E-07	4.28E-07	1.89E-07	lbs/MMcf	1	38.00	94.40	0.00
Turbine, Field Gas	1	PAH	Benzo(a)pyrene	C3-v0	7.99E-07	8.55E-07	1.12E-06	4.22E-07	lbs/MMcf	1	44.15	109.67	0.00
Turbine, Field Gas	1	PAH	Benzo(b)fluoranthene	C3-v0	1.44E-06	1.40E-06	2.02E-06	9.03E-07	lbs/MMcf	1	38.84	96.47	0.47
Turbine, Field Gas	1	PAH	Benzo(e)pyrene	C3-v0	2.24E-06	1.79E-06	3.88E-06	1.05E-06	lbs/MMcf	1	65.68	163.15	0.27
Turbine, Field Gas	1	PAH	Benzo(g,h,i)perylene	C3-v0	5.31E-06	5.89E-06	7.38E-06	2.64E-06	lbs/MMcf	1	45.66	113.42	0.17
Turbine, Field Gas	1	PAH	Benzo(k)fluoranthene	C3-v0	4.25E-07	5.14E-07	5.23E-07	2.38E-07	lbs/MMcf	1	38.11	94.68	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Turbine, Field Gas	1	PAH	Chrysene	C3-v0	1.95E-05	1.78E-05	2.79E-05	1.28E-05	lbs/MMcf	1	39.24	97.48	1.00
Turbine, Field Gas	1	PAH	Dibenz(a,h)anthracene	C3-v0	6.91E-06	8.55E-06	8.83E-06	3.36E-06	lbs/MMcf	1	44.58	110.75	0.00
Turbine, Field Gas	1	PAH	Fluoranthene	C3-v0	1.46E-05	1.20E-05	2.15E-05	1.03E-05	lbs/MMcf	1	41.42	102.88	1.00
Turbine, Field Gas	1	PAH	Fluorene	C3-v0	6.03E-05	3.24E-05	1.17E-04	3.17E-05	lbs/MMcf	1	81.17	201.63	1.00
Turbine, Field Gas	1	PAH	Indeno(1,2,3-cd)pyrene	C3-v0	3.92E-06	4.53E-06	5.27E-06	1.96E-06	lbs/MMcf	1	44.39	110.27	0.00
Turbine, Field Gas	1	PAH	Naphthalene	C3-v0	5.79E-03	6.02E-03	6.39E-03	4.94E-03	lbs/MMcf	1	13.00	32.30	1.00
Turbine, Field Gas	1	PAH	Phenanthrene	C3-v0	6.19E-05	5.33E-05	8.93E-05	4.31E-05	lbs/MMcf	1	39.18	97.32	1.00
Turbine, Field Gas	1	PAH	Pyrene	C3-v0	1.28E-05	9.67E-06	1.97E-05	9.22E-06	lbs/MMcf	1	45.95	114.14	1.00
Turbine, Field Gas	1	SVOC	2-Chloronaphthalene	C3-v0	8.53E-08	9.34E-08	9.50E-08	6.73E-08	lbs/MMcf	1	18.23	45.29	0.00
Turbine, Field Gas	1	SVOC	2-Methylnaphthalene	C3-v0	8.10E-05	8.33E-05	9.03E-05	6.95E-05	lbs/MMcf	1	13.02	32.33	1.00
Turbine, Field Gas	1	SVOC	Perylene	C3-v0	8.62E-07	9.50E-07	1.07E-06	5.61E-07	lbs/MMcf	1	31.07	77.19	0.00
Turbine, Field Gas	1	VOC	Benzene	A3-v0	1.46E-02	1.48E-02	1.49E-02	1.42E-02	lbs/MMcf	1	2.61	6.48	0.00
Turbine, Field Gas	1	VOC	Formaldehyde	A3-v0	1.84E-01	1.65E-01	2.78E-01	1.10E-01	lbs/MMcf	1	46.36	115.16	1.00
Turbine, Landfill Gas	1	VOC	Benzene	C3-v1	3.96E-01	2.47E-01	7.89E-01	1.51E-01	lbs/MMcf	1	87.06	216.26	1.00
Turbine, Landfill Gas	1	VOC	Chloroform	C3-v0	2.79E-03	1.81E-03	5.15E-03	1.41E-03	lbs/MMcf	1	73.63	182.91	0.62
Turbine, Landfill Gas	1	VOC	Formaldehyde	A3-v0	1.80E-01	1.70E-01	2.00E-01	1.70E-01	lbs/MMcf	1	9.62	23.90	1.00
Turbine, Landfill Gas	1	VOC	Methyl Chloroform	C3-v0	1.12E-02	1.13E-02	1.13E-02	1.11E-02	lbs/MMcf	1	0.90	2.23	1.00
Turbine, Landfill Gas	1	VOC	Methylene Chloride	C3-v0	1.37E+00	1.07E+00	2.15E+00	8.77E-01	lbs/MMcf	1	50.21	124.72	1.00
Turbine, Landfill Gas	1	VOC	Perchloroethylene	C3-v0	2.23E-03	2.24E-03	2.25E-03	2.21E-03	lbs/MMcf	1	0.90	2.23	0.00
Turbine, Landfill Gas	1	VOC	Vinyl Chloride	C3-v0	2.10E-03	2.11E-03	2.11E-03	2.08E-03	lbs/MMcf	1	0.90	2.23	0.00
Turbine, Natural Gas	1	VOC	Benzene	B3-v0	9.09E-02	9.42E-02	9.90E-02	7.84E-02	lbs/MMcf	2	8.48	8.89	1.00
Turbine, Natural Gas	1	VOC	Formaldehyde	A1-v0	4.04E+00	3.93E+00	6.37E+00	1.47E+00	lbs/MMcf	5	31.61	17.51	1.00
Turbine, Natural Gas	2	PAH	Acenaphthene	B1-v2	1.90E-05	5.23E-06	1.22E-04	3.63E-07	lbs/MMcf	6	182.93	90.97	0.16
Turbine, Natural Gas	2	PAH	Acenaphthylene	B1-v2	1.47E-05	2.88E-06	8.25E-05	2.03E-07	lbs/MMcf	6	187.51	93.24	0.40
Turbine, Natural Gas	2	PAH	Anthracene	B1-v2	3.38E-05	9.38E-06	1.53E-04	3.20E-07	lbs/MMcf	6	141.08	70.16	0.49
Turbine, Natural Gas	2	PAH	Benzo(a)anthracene	B1-v2	2.26E-05	3.61E-06	1.34E-04	3.20E-07	lbs/MMcf	6	201.28	100.09	0.04
Turbine, Natural Gas	2	PAH	Benzo(a)pyrene	B1-v2	1.39E-05	2.57E-06	9.16E-05	5.52E-07	lbs/MMcf	6	194.99	96.96	0.37
Turbine, Natural Gas	2	PAH	Benzo(b)fluoranthene	B1-v2	1.13E-05	2.87E-06	6.72E-05	6.68E-07	lbs/MMcf	6	174.76	86.91	0.04

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Turbine, Natural Gas	2	PAH	Benzo(e)pyrene	C3-v0	5.44E-07	4.63E-07	7.33E-07	4.36E-07	lbs/MMcf	1	30.18	74.97	0.00
Turbine, Natural Gas	2	PAH	Benzo(g,h,i)perylene	B1-v2	1.37E-05	3.03E-06	8.25E-05	1.19E-06	lbs/MMcf	6	185.37	92.18	0.01
Turbine, Natural Gas	2	PAH	Benzo(k)fluoranthene	B1-v2	1.10E-05	2.87E-06	6.72E-05	3.49E-07	lbs/MMcf	6	180.41	89.71	0.02
Turbine, Natural Gas	2	PAH	Chrysene	B1-v3	2.52E-05	4.99E-06	1.50E-04	1.16E-07	lbs/MMcf	6	194.70	96.82	0.05
Turbine, Natural Gas	2	PAH	Dibenz(a,h)anthracene	B1-v2	2.35E-05	3.03E-06	1.34E-04	1.26E-06	lbs/MMcf	6	200.54	99.72	0.00
Turbine, Natural Gas	2	PAH	Fluoranthene	B1-v3	4.32E-05	1.07E-05	3.05E-04	1.63E-07	lbs/MMcf	6	193.80	96.37	1.00
Turbine, Natural Gas	2	PAH	Fluorene	B1-v3	5.80E-05	1.56E-05	4.58E-04	4.53E-07	lbs/MMcf	6	193.25	96.10	1.00
Turbine, Natural Gas	2	PAH	Indeno(1,2,3-cd)pyrene	B1-v2	2.35E-05	2.87E-06	1.34E-04	1.26E-06	lbs/MMcf	6	200.51	99.71	0.01
Turbine, Natural Gas	2	PAH	Naphthalene	B1-v2	1.66E-03	9.26E-04	7.88E-03	2.10E-05	lbs/MMcf	6	136.18	67.72	0.85
Turbine, Natural Gas	2	PAH	Phenanthrene	B1-v3	3.13E-04	8.57E-05	2.35E-03	8.14E-07	lbs/MMcf	6	191.49	95.22	0.99
Turbine, Natural Gas	2	PAH	Pyrene	B1-v3	2.77E-05	1.18E-05	1.27E-04	2.12E-07	lbs/MMcf	6	135.65	67.46	1.00
Turbine, Natural Gas	2	SVOC	2-Chloronaphthalene	C3-v0	2.72E-07	1.74E-07	4.69E-07	1.74E-07	lbs/MMcf	1	62.54	155.36	0.00
Turbine, Natural Gas	2	SVOC	2-Methylnaphthalene	C3-v0	5.29E-06	5.07E-06	6.30E-06	4.50E-06	lbs/MMcf	1	17.39	43.21	1.00
Turbine, Natural Gas	2	SVOC	Ethylbenzene	B1-v1	1.79E-02	9.74E-03	5.70E-02	5.63E-03	lbs/MMcf	5	83.52	46.25	0.49
Turbine, Natural Gas	2	SVOC	Perylene	C3-v0	7.00E-07	5.79E-07	9.68E-07	5.52E-07	lbs/MMcf	1	33.22	82.54	0.00
Turbine, Natural Gas	2	VOC	1,3-Butadiene	C3-v0	1.27E-04	1.24E-04	1.33E-04	1.24E-04	lbs/MMcf	1	4.22	10.49	0.00
Turbine, Natural Gas	2	VOC	Acetaldehyde	A1-v2	1.37E-01	5.38E-02	5.11E-01	4.09E-03	lbs/MMcf	5	122.61	74.09	0.99
Turbine, Natural Gas	2	VOC	Acrolein	A1-v1	1.89E-02	1.09E-02	6.93E-02	4.79E-03	lbs/MMcf	6	103.16	51.30	0.59
Turbine, Natural Gas	2	VOC	Benzene	B1-v1	1.33E-02	1.01E-02	4.72E-02	5.50E-03	lbs/MMcf	8	69.15	29.20	0.38
Turbine, Natural Gas	2	VOC	Formaldehyde	B1-v2	9.17E-01	1.12E-01	6.87E+00	1.73E-02	lbs/MMcf	9	220.68	91.09	1.00
Turbine, Natural Gas	2	VOC	Hexane	A3-v0	2.59E-01	2.19E-01	3.82E-01	1.77E-01	lbs/MMcf	1	41.69	103.55	1.00
Turbine, Natural Gas	2	VOC	Propylene	B2-v2	7.71E-01	5.71E-01	2.00E+00	2.89E-02	lbs/MMcf	3	98.01	75.33	0.76
Turbine, Natural Gas	2	VOC	Propylene Oxide	E3-v0	4.78E-02	4.48E-02	5.87E-02	3.97E-02	lbs/MMcf	1	20.56	51.07	0.00
Turbine, Natural Gas	2	VOC	Toluene	B1-v1	7.10E-02	5.91E-02	1.68E-01	8.22E-03	lbs/MMcf	5	76.00	42.09	0.99
Turbine, Natural Gas	2	VOC	Xylene (m,p)	B3-v1	4.89E-02	4.27E-02	1.08E-01	8.77E-03	lbs/MMcf	2	89.78	94.22	0.97
Turbine, Natural Gas	2	VOC	Xylene (o)	B3-v1	2.40E-02	2.15E-02	4.88E-02	5.67E-03	lbs/MMcf	2	74.70	78.39	0.86
Turbine, Natural Gas	2	VOC	Xylene (Total)	B2-v1	2.61E-02	1.93E-02	6.26E-02	5.63E-03	lbs/MMcf	3	82.19	63.17	0.35
Turbine, Natural/Ref. Gas	1	Metals	Antimony	A3-v0	6.62E-05	6.56E-05	6.79E-05	6.52E-05	lbs/MMcf	1	2.18	5.42	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Turbine, Natural/Ref. Gas	1	Metals	Arsenic	A3-v0	6.62E-05	6.56E-05	6.79E-05	6.52E-05	lbs/MMcf	1	2.18	5.42	0.00
Turbine, Natural/Ref. Gas	1	Metals	Barium	A3-v0	8.73E-04	7.58E-04	1.14E-03	7.17E-04	lbs/MMcf	1	26.85	66.71	1.00
Turbine, Natural/Ref. Gas	1	Metals	Beryllium	A3-v0	2.65E-05	2.63E-05	2.72E-05	2.61E-05	lbs/MMcf	1	2.18	5.42	0.00
Turbine, Natural/Ref. Gas	1	Metals	Cadmium	B3-v1	1.28E-03	7.92E-04	4.16E-03	3.17E-04	lbs/MMcf	2	113.19	118.78	0.73
Turbine, Natural/Ref. Gas	1	Metals	Chromium (Hex)	C2-v2	4.99E-03	1.68E-03	1.50E-02	3.06E-05	lbs/MMcf	3	124.20	95.47	0.00
Turbine, Natural/Ref. Gas	1	Metals	Chromium (Total)	C2-v2	3.59E-02	1.53E-02	1.84E-01	6.74E-04	lbs/MMcf	3	160.39	123.29	1.00
Turbine, Natural/Ref. Gas	1	Metals	Cobalt	A3-v0	1.55E-04	1.67E-04	1.67E-04	1.29E-04	lbs/MMcf	1	14.32	35.56	1.00
Turbine, Natural/Ref. Gas	1	Metals	Copper	A3-v1	5.87E-03	5.12E-03	1.32E-02	1.04E-03	lbs/MMcf	2	81.24	85.26	1.00
Turbine, Natural/Ref. Gas	1	Metals	Lead	A3-v0	1.66E-03	1.81E-03	1.90E-03	1.26E-03	lbs/MMcf	1	21.17	52.58	1.00
Turbine, Natural/Ref. Gas	1	Metals	Manganese	A3-v2	5.09E-02	4.88E-03	2.78E-01	1.32E-03	lbs/MMcf	2	219.09	229.92	1.00
Turbine, Natural/Ref. Gas	1	Metals	Mercury	A2-v3	3.09E-03	2.67E-03	8.27E-03	5.43E-06	lbs/MMcf	3	96.45	74.14	1.00
Turbine, Natural/Ref. Gas	1	Metals	Nickel	B3-v1	4.57E-03	2.19E-03	1.43E-02	9.32E-04	lbs/MMcf	2	116.02	121.76	1.00
Turbine, Natural/Ref. Gas	1	Metals	Phosphorus	A3-v0	1.93E-02	1.97E-02	2.52E-02	1.30E-02	lbs/MMcf	1	31.45	78.12	0.77
Turbine, Natural/Ref. Gas	1	Metals	Selenium	A3-v0	3.31E-04	3.28E-04	3.39E-04	3.26E-04	lbs/MMcf	1	2.18	5.42	0.00
Turbine, Natural/Ref. Gas	1	Metals	Silver	A3-v1	1.37E-04	4.53E-05	3.33E-04	3.26E-05	lbs/MMcf	1	124.00	308.03	0.92
Turbine, Natural/Ref. Gas	1	Metals	Thallium	A3-v0	3.31E-05	3.28E-05	3.39E-05	3.26E-05	lbs/MMcf	1	2.18	5.42	0.00
Turbine, Natural/Ref. Gas	1	Metals	Zinc	A3-v0	1.57E-02	1.59E-02	1.93E-02	1.18E-02	lbs/MMcf	2	15.79	16.58	1.00
Turbine, Natural/Ref. Gas	1	PAH	Acenaphthene	B2-v1	9.00E-06	2.13E-06	3.82E-05	9.82E-07	lbs/MMcf	3	144.09	110.75	0.96
Turbine, Natural/Ref. Gas	1	PAH	Acenaphthylene	B2-v1	4.75E-06	1.80E-06	1.32E-05	9.35E-07	lbs/MMcf	3	110.89	85.23	0.81
Turbine, Natural/Ref. Gas	1	PAH	Anthracene	B2-v1	1.39E-05	1.07E-05	3.66E-05	1.06E-06	lbs/MMcf	3	80.82	62.12	0.92
Turbine, Natural/Ref. Gas	1	PAH	Benzo(a)anthracene	B2-v1	6.24E-06	1.80E-06	4.15E-05	9.35E-07	lbs/MMcf	3	212.47	163.32	0.74
Turbine, Natural/Ref. Gas	1	PAH	Benzo(a)pyrene	B2-v1	4.32E-06	1.80E-06	1.36E-05	9.35E-07	lbs/MMcf	3	110.83	85.19	0.00
Turbine, Natural/Ref. Gas	1	PAH	Benzo(b)fluoranthene	B2-v1	9.88E-06	1.80E-06	3.44E-05	9.35E-07	lbs/MMcf	3	140.50	108.00	0.74
Turbine, Natural/Ref. Gas	1	PAH	Benzo(e)pyrene	A3-v0	1.36E-06	1.28E-06	1.92E-06	9.35E-07	lbs/MMcf	2	33.78	35.45	0.00
Turbine, Natural/Ref. Gas	1	PAH	Benzo(g,h,i)perylene	B2-v1	7.79E-06	1.80E-06	2.71E-05	9.41E-07	lbs/MMcf	3	129.42	99.48	0.02
Turbine, Natural/Ref. Gas	1	PAH	Benzo(k)fluoranthene	B2-v1	5.37E-06	1.80E-06	2.00E-05	9.35E-07	lbs/MMcf	3	125.82	96.71	0.00
Turbine, Natural/Ref. Gas	1	PAH	Chrysene	B2-v2	3.94E-05	1.80E-06	2.43E-04	9.35E-07	lbs/MMcf	3	202.89	155.95	0.98
Turbine, Natural/Ref. Gas	1	PAH	Dibenz(a,h)anthracene	B2-v1	3.27E-06	1.80E-06	8.59E-06	9.35E-07	lbs/MMcf	3	94.56	72.69	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Turbine, Natural/Ref. Gas	1	PAH	Fluoranthene	B2-v2	3.84E-05	6.28E-06	1.58E-04	2.16E-06	lbs/MMcf	3	149.02	114.55	1.00
Turbine, Natural/Ref. Gas	1	PAH	Fluorene	B2-v2	6.73E-05	6.48E-06	4.46E-04	5.27E-06	lbs/MMcf	3	214.54	164.91	0.98
Turbine, Natural/Ref. Gas	1	PAH	Indeno(1,2,3-cd)pyrene	B2-v1	4.18E-06	1.80E-06	1.18E-05	9.35E-07	lbs/MMcf	3	105.73	81.27	0.00
Turbine, Natural/Ref. Gas	1	PAH	Naphthalene	B2-v2	1.37E-02	7.31E-04	4.30E-02	1.09E-04	lbs/MMcf	3	145.82	112.09	0.98
Turbine, Natural/Ref. Gas	1	PAH	Phenanthrene	B2-v1	2.55E-04	6.12E-05	9.72E-04	2.07E-05	lbs/MMcf	3	135.29	103.99	0.90
Turbine, Natural/Ref. Gas	1	PAH	Pyrene	B2-v2	4.82E-05	1.35E-05	2.29E-04	2.55E-06	lbs/MMcf	3	156.71	120.46	0.98
Turbine, Natural/Ref. Gas	1	SVOC	2-Methylnaphthalene	A3-v0	3.29E-05	3.03E-05	5.78E-05	1.27E-05	lbs/MMcf	2	67.27	70.59	0.00
Turbine, Natural/Ref. Gas	1	SVOC	Ethylbenzene	A3-v0	1.82E-03	1.73E-03	2.26E-03	1.28E-03	lbs/MMcf	2	19.62	20.59	0.52
Turbine, Natural/Ref. Gas	1	SVOC	Perylene	A3-v0	1.36E-06	1.28E-06	1.92E-06	9.35E-07	lbs/MMcf	2	33.78	35.45	0.00
Turbine, Natural/Ref. Gas	1	SVOC	Phenol	B3-v4	7.67E-03	7.16E-03	1.59E-02	7.48E-07	lbs/MMcf	2	109.78	115.21	0.00
Turbine, Natural/Ref. Gas	1	VOC	Acetaldehyde	A2-v1	8.84E-02	1.13E-01	1.62E-01	3.38E-03	lbs/MMcf	3	73.22	56.29	0.46
Turbine, Natural/Ref. Gas	1	VOC	Ammonia	B3-v0	1.07E+01	1.06E+01	1.13E+01	1.01E+01	lbs/MMcf	1	5.83	14.49	1.00
Turbine, Natural/Ref. Gas	1	VOC	Benzene	B2-v2	8.37E-02	7.44E-02	1.81E-01	1.32E-03	lbs/MMcf	4	103.09	65.50	0.01
Turbine, Natural/Ref. Gas	1	VOC	Formaldehyde	A2-v1	1.22E-01	9.23E-02	3.42E-01	2.48E-02	lbs/MMcf	3	80.89	62.17	0.57
Turbine, Natural/Ref. Gas	1	VOC	Hydrogen Sulfide	A3-v0	1.65E-01	1.64E-01	1.72E-01	1.59E-01	lbs/MMcf	1	4.20	10.44	0.00
Turbine, Natural/Ref. Gas	1	VOC	Toluene	B2-v2	6.54E-02	9.86E-03	1.87E-01	3.53E-03	lbs/MMcf	3	130.39	100.23	0.09
Turbine, Natural/Ref. Gas	1	VOC	Xylene (m,p)	A3-v1	5.96E-03	6.29E-03	1.04E-02	1.73E-03	lbs/MMcf	2	67.92	71.27	0.95
Turbine, Natural/Ref. Gas	1	VOC	Xylene (o)	A3-v0	1.68E-03	1.73E-03	1.96E-03	1.28E-03	lbs/MMcf	2	13.19	13.85	0.48
Turbine, Natural/Ref. Gas	1	VOC	Xylene (Total)	E3-v0	4.13E-01	4.14E-01	4.15E-01	4.11E-01	lbs/MMcf	1	0.50	1.23	0.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Acenaphthene	A3-v0	6.56E-06	7.21E-06	7.72E-06	4.76E-06	lbs/MMcf	1	24.06	59.77	1.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Acenaphthylene	A3-v0	4.21E-06	4.10E-06	4.82E-06	3.73E-06	lbs/MMcf	1	13.22	32.83	0.38
Turbine, Natural/Ref. Gas/Butane	1	PAH	Anthracene	A3-v0	4.94E-05	5.10E-05	5.49E-05	4.24E-05	lbs/MMcf	1	12.90	32.04	1.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Benzo(a)anthracene	A3-v0	4.07E-06	4.10E-06	4.39E-06	3.73E-06	lbs/MMcf	1	8.18	20.33	0.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Benzo(a)pyrene	A3-v0	4.07E-06	4.10E-06	4.39E-06	3.73E-06	lbs/MMcf	1	8.18	20.33	0.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Benzo(b)fluoranthene	A3-v0	4.07E-06	4.10E-06	4.39E-06	3.73E-06	lbs/MMcf	1	8.18	20.33	0.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Benzo(e)pyrene	A3-v0	4.07E-06	4.10E-06	4.39E-06	3.73E-06	lbs/MMcf	1	8.18	20.33	0.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Benzo(g,h,i)perylene	A3-v0	4.07E-06	4.10E-06	4.39E-06	3.73E-06	lbs/MMcf	1	8.18	20.33	0.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Benzo(k)fluoranthene	A3-v0	4.07E-06	4.10E-06	4.39E-06	3.73E-06	lbs/MMcf	1	8.18	20.33	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Turbine, Natural/Ref. Gas/Butane	1	PAH	Chrysene	A3-v0	4.07E-06	4.10E-06	4.39E-06	3.73E-06	lbs/MMcf	1	8.18	20.33	0.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Dibenz(a,h)anthracene	A3-v0	4.07E-06	4.10E-06	4.39E-06	3.73E-06	lbs/MMcf	1	8.18	20.33	0.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Fluoranthene	A3-v0	1.79E-05	1.84E-05	1.88E-05	1.64E-05	lbs/MMcf	1	7.33	18.20	1.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Fluorene	A3-v0	1.89E-05	1.97E-05	2.37E-05	1.34E-05	lbs/MMcf	1	27.37	68.00	1.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Indeno(1,2,3-cd)pyrene	A3-v0	4.07E-06	4.10E-06	4.39E-06	3.73E-06	lbs/MMcf	1	8.18	20.33	0.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Naphthalene	A3-v0	1.30E-03	1.31E-03	1.41E-03	1.19E-03	lbs/MMcf	1	8.10	20.13	0.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Phenanthrene	A3-v0	1.69E-04	1.80E-04	1.84E-04	1.42E-04	lbs/MMcf	1	13.94	34.63	1.00
Turbine, Natural/Ref. Gas/Butane	1	PAH	Pyrene	A3-v0	4.73E-05	4.56E-05	5.15E-05	4.48E-05	lbs/MMcf	1	7.77	19.30	1.00
Turbine, Natural/Ref. Gas/Butane	1	SVOC	2-Methylnaphthalene	A3-v0	1.22E-04	1.23E-04	1.32E-04	1.12E-04	lbs/MMcf	1	8.18	20.32	0.00
Turbine, Natural/Ref. Gas/Butane	1	SVOC	Ethylbenzene	A3-v0	8.79E-03	7.30E-03	1.26E-02	6.42E-03	lbs/MMcf	1	38.33	95.22	1.00
Turbine, Natural/Ref. Gas/Butane	1	SVOC	Perylene	A3-v0	4.07E-06	4.10E-06	4.39E-06	3.73E-06	lbs/MMcf	1	8.18	20.33	0.00
Turbine, Natural/Ref. Gas/Butane	1	VOC	Acetaldehyde	C3-v0	3.00E-01	2.26E-01	4.90E-01	1.83E-01	lbs/MMcf	1	55.31	137.41	0.80
Turbine, Natural/Ref. Gas/Butane	1	VOC	Benzene	A3-v0	4.05E-03	3.15E-03	5.85E-03	3.15E-03	lbs/MMcf	1	38.39	95.36	0.48
Turbine, Natural/Ref. Gas/Butane	1	VOC	Formaldehyde	C3-v2	4.85E-01	5.65E-01	8.75E-01	1.56E-02	lbs/MMcf	1	89.69	222.80	0.00
Turbine, Natural/Ref. Gas/Butane	1	VOC	Toluene	A3-v0	1.97E-02	1.92E-02	2.27E-02	1.73E-02	lbs/MMcf	1	13.90	34.53	1.00
Turbine, Natural/Ref. Gas/Butane	1	VOC	Xylene (m,p)	A3-v0	8.60E-03	8.60E-03	8.60E-03	8.60E-03	lbs/MMcf	1	0.00	0.00	0.00
Turbine, Natural/Ref. Gas/Butane	1	VOC	Xylene (o)	A3-v0	4.94E-03	4.30E-03	6.22E-03	4.29E-03	lbs/MMcf	1	22.56	56.05	0.71
Turbine, Natural/Ref./LP Gas	1	Metals	Arsenic	B3-v0	1.70E-02	1.71E-02	1.79E-02	1.61E-02	lbs/MMcf	1	5.27	13.08	0.00
Turbine, Natural/Ref./LP Gas	1	Metals	Beryllium	B3-v0	3.40E-03	3.43E-03	3.57E-03	3.21E-03	lbs/MMcf	1	5.28	13.11	0.00
Turbine, Natural/Ref./LP Gas	1	Metals	Cadmium	B3-v0	7.41E-03	6.85E-03	8.94E-03	6.44E-03	lbs/MMcf	1	18.06	44.86	0.40
Turbine, Natural/Ref./LP Gas	1	Metals	Copper	B3-v1	4.08E-02	1.88E-02	8.74E-02	1.61E-02	lbs/MMcf	1	99.07	246.10	0.87
Turbine, Natural/Ref./LP Gas	1	Metals	Lead	B3-v0	6.82E-02	6.85E-02	7.16E-02	6.44E-02	lbs/MMcf	1	5.25	13.05	0.00
Turbine, Natural/Ref./LP Gas	1	Metals	Manganese	B3-v1	1.75E-01	9.89E-02	3.71E-01	5.58E-02	lbs/MMcf	1	97.56	242.36	1.00
Turbine, Natural/Ref./LP Gas	1	Metals	Nickel	B3-v1	2.78E-01	9.70E-02	6.60E-01	7.79E-02	lbs/MMcf	1	118.86	295.27	1.00
Turbine, Natural/Ref./LP Gas	1	Metals	Selenium	B3-v0	1.70E-02	1.71E-02	1.79E-02	1.61E-02	lbs/MMcf	1	5.27	13.08	0.00
Turbine, Natural/Ref./LP Gas	1	Metals	Zinc	B3-v0	4.12E-01	4.08E-01	6.80E-01	1.47E-01	lbs/MMcf	1	64.69	160.70	1.00
Turbine, Natural/Ref./LP Gas	1	SVOC	Phenol	C3-v1	5.80E-02	2.31E-02	1.45E-01	5.55E-03	lbs/MMcf	1	131.32	326.21	1.00
Turbine, Ref. Gas	1	Metals	Arsenic	B3-v0	4.09E-03	4.15E-03	4.18E-03	3.95E-03	lbs/MMcf	1	3.09	7.66	0.00

TABLE 19. POINT SOURCE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Maximum	Minimum	Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Turbine, Ref. Gas	1	Metals	Beryllium	B3-v0	2.05E-03	2.08E-03	2.08E-03	1.98E-03	lbs/MMcf	1	2.78	6.90	0.00
Turbine, Ref. Gas	1	Metals	Cadmium	B3-v0	7.41E-03	5.21E-03	1.29E-02	4.15E-03	lbs/MMcf	1	64.24	159.59	1.00
Turbine, Ref. Gas	1	Metals	Chromium (Hex)	C3-v0	2.04E-03	2.04E-03	2.05E-03	2.02E-03	lbs/MMcf	1	0.70	1.74	0.00
Turbine, Ref. Gas	1	Metals	Chromium (Total)	C3-v1	1.84E-02	1.01E-02	3.93E-02	5.93E-03	lbs/MMcf	1	98.65	245.07	0.82
Turbine, Ref. Gas	1	Metals	Copper	B3-v0	5.78E-02	5.49E-02	9.72E-02	2.12E-02	lbs/MMcf	1	65.90	163.70	1.00
Turbine, Ref. Gas	1	Metals	Lead	B3-v0	3.99E-02	4.15E-02	4.18E-02	3.64E-02	lbs/MMcf	1	7.62	18.93	0.30
Turbine, Ref. Gas	1	Metals	Manganese	B3-v1	1.80E-01	1.45E-01	3.40E-01	5.55E-02	lbs/MMcf	1	80.76	200.62	1.00
Turbine, Ref. Gas	1	Metals	Mercury	A3-v0	2.15E-02	1.55E-02	3.63E-02	1.27E-02	lbs/MMcf	1	59.94	148.90	1.00
Turbine, Ref. Gas	1	Metals	Nickel	B3-v0	2.33E-01	2.64E-01	2.86E-01	1.48E-01	lbs/MMcf	1	31.93	79.32	1.00
Turbine, Ref. Gas	1	Metals	Selenium	B3-v0	5.42E-03	4.18E-03	7.93E-03	4.15E-03	lbs/MMcf	1	40.11	99.64	0.00
Turbine, Ref. Gas	1	Metals	Zinc	B3-v0	6.99E+00	8.23E+00	9.17E+00	3.56E+00	lbs/MMcf	1	42.95	106.70	1.00
Turbine, Ref. Gas	1	SVOC	Phenol	C3-v0	9.41E-03	5.99E-03	1.72E-02	5.07E-03	lbs/MMcf	1	71.54	177.71	1.00
Turbine, Ref. Gas	1	VOC	Acetaldehyde	C3-v0	2.18E-02	2.22E-02	2.65E-02	1.67E-02	lbs/MMcf	1	22.53	55.97	1.00
Turbine, Ref. Gas	1	VOC	Benzene	C3-v0	1.49E-01	1.51E-01	1.53E-01	1.44E-01	lbs/MMcf	1	3.34	8.29	0.00
Turbine, Ref. Gas	1	VOC	Formaldehyde	C3-v0	8.41E-01	8.36E-01	8.90E-01	7.97E-01	lbs/MMcf	1	5.57	13.85	1.00
Turbine, Ref. Gas	1	VOC	Hydrogen Sulfide	A3-v0	1.63E-01	1.64E-01	1.67E-01	1.58E-01	lbs/MMcf	1	3.06	7.59	0.00
Turbine, Ref. Gas	1	VOC	Toluene	E3-v1	1.09E+00	4.34E-01	2.58E+00	2.56E-01	lbs/MMcf	1	118.63	294.68	1.00
Turbine, Ref. Gas	1	VOC	Xylene (Total)	E3-v1	3.14E+00	3.39E-01	8.85E+00	2.33E-01	lbs/MMcf	1	157.44	391.11	1.00
Unloader, Fiberboard	1	VOC	Formaldehyde	A3-v1	9.67E-03	1.21E-02	1.41E-02	2.82E-03	lbs/ton production	1	62.24	154.62	1.00

Det Ratio: Ratio of sum of detected values to the sum of detected and non-detected values.

RSD: 100 times the standard deviation divided by the arithmetic average

Uncertainty: 100 times the 95% confidence interval divided by the arithmetic average.

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Abrasive Blasting, Dust	1	Metals	Arsenic	A3-v3	6.58E+01	1.71E+00	4.00E-01	2.87E+02	mg/kg	1	175.03	105.77	1.00
Abrasive Blasting, Dust	1	Metals	Beryllium	A3-v1	2.42E-01	1.90E-01	3.00E-02	6.00E-01	mg/kg	1	88.72	53.62	0.97
Abrasive Blasting, Dust	1	Metals	Cadmium	A3-v3	4.94E+02	2.61E+01	2.13E+00	5.44E+03	mg/kg	1	303.19	183.21	1.00
Abrasive Blasting, Dust	1	Metals	Chromium (Hex)	A3-v2	2.35E+00	5.35E-01	2.70E-02	9.58E+00	mg/kg	1	149.50	94.99	1.00
Abrasive Blasting, Dust	1	Metals	Copper	A3-v3	2.06E+03	2.57E+02	1.47E+01	7.74E+03	mg/kg	1	140.67	85.00	1.00
Abrasive Blasting, Dust	1	Metals	Lead	A3-v2	8.52E+02	5.75E+02	4.97E+01	3.62E+03	mg/kg	1	109.77	66.33	1.00
Abrasive Blasting, Dust	1	Metals	Manganese	A3-v2	1.52E+02	1.36E+02	7.60E+00	5.12E+02	mg/kg	1	85.01	51.37	1.00
Abrasive Blasting, Dust	1	Metals	Mercury	A3-v2	3.62E-01	1.07E-01	6.00E-03	2.17E+00	mg/kg	1	180.99	115.00	1.00
Abrasive Blasting, Dust	1	Metals	Nickel	A3-v2	7.19E+01	4.42E+01	5.52E+00	3.68E+02	mg/kg	1	131.60	79.53	1.00
Abrasive Blasting, Dust	1	Metals	Selenium	A3-v0	2.00E+01	2.00E+01	2.00E+01	2.00E+01	mg/kg	1	0.00	0.00	0.00
Abrasive Blasting, Dust	1	Metals	Zinc	A3-v2	1.51E+03	1.20E+03	7.19E+01	4.96E+03	mg/kg	1	96.28	58.18	1.00
Aeration Basin, Wastewater	1	SVOC	Ethylbenzene	A3-v0	1.12E+00	1.15E+00	1.00E+00	1.17E+00	ppbv	1	7.04	11.21	1.00
Aeration Basin, Wastewater	1	VOC	1,1,1-Trichloroethane	A3-v0	3.69E-01	3.60E-01	3.48E-01	4.09E-01	ppbv	1	7.30	11.61	1.00
Aeration Basin, Wastewater	1	VOC	1,2-Dichloroethane	A3-v0	2.47E-01	2.47E-01	2.47E-01	2.47E-01	ppbv	1	0.00	0.00	0.00
Aeration Basin, Wastewater	1	VOC	Acetaldehyde	A3-v0	3.18E+00	3.24E+00	2.66E+00	3.60E+00	ppbv	1	12.50	19.89	1.00
Aeration Basin, Wastewater	1	VOC	Ammonia	B3-v0	2.13E+03	2.15E+03	1.88E+03	2.34E+03	ppbv	1	10.58	16.84	1.00
Aeration Basin, Wastewater	1	VOC	Benzene	A3-v0	1.09E+00	1.10E+00	1.06E+00	1.11E+00	ppbv	1	1.98	3.15	1.00
Aeration Basin, Wastewater	1	VOC	Carbon Tetrachloride	A3-v0	1.59E-01	1.59E-01	1.59E-01	1.59E-01	ppbv	1	0.00	0.00	0.00
Aeration Basin, Wastewater	1	VOC	Chlorobenzene	A3-v0	1.99E+00	2.00E+00	1.92E+00	2.06E+00	ppbv	1	2.94	4.67	1.00
Aeration Basin, Wastewater	1	VOC	Chloroform	A3-v0	2.05E-01	2.05E-01	2.05E-01	2.05E-01	ppbv	1	0.00	0.00	0.00
Aeration Basin, Wastewater	1	VOC	Formaldehyde	A3-v0	5.97E+00	5.68E+00	5.28E+00	7.26E+00	ppbv	1	14.76	23.49	1.00
Aeration Basin, Wastewater	1	VOC	Freon 11	A3-v0	2.68E+00	2.68E+00	2.52E+00	2.82E+00	ppbv	1	4.83	7.69	1.00
Aeration Basin, Wastewater	1	VOC	Hydrogen Sulfide	A3-v0	1.44E+03	1.42E+03	1.39E+03	1.51E+03	ppbv	1	3.62	5.76	0.00
Aeration Basin, Wastewater	1	VOC	Methylene Chloride	A3-v0	1.47E+03	1.48E+03	1.41E+03	1.53E+03	ppbv	1	3.41	5.42	1.00
Aeration Basin, Wastewater	1	VOC	p-Dichlorobenzene	A3-v0	3.37E+01	3.38E+01	3.22E+01	3.50E+01	ppbv	1	3.76	5.98	1.00
Aeration Basin, Wastewater	1	VOC	Tetrachloroethene	A3-v0	9.72E-01	9.77E-01	9.46E-01	9.88E-01	ppbv	1	1.90	3.03	1.00
Aeration Basin, Wastewater	1	VOC	Toluene	A3-v0	4.20E+00	4.04E+00	3.76E+00	4.94E+00	ppbv	1	12.74	20.27	1.00
Aeration Basin, Wastewater	1	VOC	Trichloroethene	A3-v0	4.88E-01	4.90E-01	4.70E-01	5.00E-01	ppbv	1	2.58	4.11	1.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Aeration Basin, Wastewater	1	VOC	Xylene (Total)	A3-v0	3.94E+00	4.00E+00	3.64E+00	4.13E+00	ppbv	1	5.45	8.67	1.00
Asphalt Prod., Dust	1	Metals	Arsenic	D3-v0	4.50E+00	4.50E+00	3.80E+00	5.20E+00	mg/kg	2	22.00	197.65	1.00
Asphalt Prod., Dust	1	Metals	Beryllium	D3-v0	6.00E-01	6.00E-01	5.00E-01	7.00E-01	mg/kg	2	23.57	211.77	1.00
Asphalt Prod., Dust	1	Metals	Cadmium	D3-v0	1.90E+00	1.90E+00	1.90E+00	1.90E+00	mg/kg	2	0.00	0.00	1.00
Asphalt Prod., Dust	1	Metals	Chromium (Hex)	C2-v1	4.00E-02	1.00E-02	1.00E-02	1.00E-01	mg/kg	3	129.90	322.70	0.00
Asphalt Prod., Dust	1	Metals	Chromium (Total)	D3-v-	5.90E+01	5.90E+01	5.90E+01	5.90E+01	mg/kg	1	0.00	0.00	1.00
Asphalt Prod., Dust	1	Metals	Copper	D3-v0	1.70E+01	1.70E+01	1.20E+01	2.20E+01	mg/kg	2	41.59	373.71	1.00
Asphalt Prod., Dust	1	Metals	Lead	D3-v0	1.40E+01	1.40E+01	1.40E+01	1.40E+01	mg/kg	2	0.00	0.00	1.00
Asphalt Prod., Dust	1	Metals	Manganese	D3-v-	6.00E+02	6.00E+02	6.00E+02	6.00E+02	mg/kg	1	0.00	0.00	1.00
Asphalt Prod., Dust	1	Metals	Mercury	D3-v-	1.10E-01	1.10E-01	1.10E-01	1.10E-01	mg/kg	1	0.00	0.00	1.00
Asphalt Prod., Dust	1	Metals	Nickel	D3-v0	5.35E+01	5.35E+01	1.90E+01	8.80E+01	mg/kg	2	91.20	819.37	1.00
Asphalt Prod., Dust	1	Metals	Zinc	D3-v-	4.30E+01	4.30E+01	4.30E+01	4.30E+01	mg/kg	1	0.00	0.00	1.00
Composition, Crude oil	1	Metals	Arsenic	D3-v-	7.93E+01	7.93E+01	7.93E+01	7.93E+01	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	Metals	Beryllium	D3-v-	1.98E+02	1.98E+02	1.98E+02	1.98E+02	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	Metals	Cadmium	D3-v-	7.93E+01	7.93E+01	7.93E+01	7.93E+01	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	Metals	Chromium (Hex)	D3-v-	1.98E+01	1.98E+01	1.98E+01	1.98E+01	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	Metals	Chromium (Total)	D3-v-	7.93E+01	7.93E+01	7.93E+01	7.93E+01	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	Metals	Copper	D3-v-	7.93E+01	7.93E+01	7.93E+01	7.93E+01	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	Metals	Lead	D3-v-	2.97E+02	2.97E+02	2.97E+02	2.97E+02	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	Metals	Manganese	D3-v-	2.97E+02	2.97E+02	2.97E+02	2.97E+02	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	Metals	Mercury	D3-v-	7.93E+00	7.93E+00	7.93E+00	7.93E+00	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	Metals	Nickel	D3-v-	1.29E+04	1.29E+04	1.29E+04	1.29E+04	ug/l	1	0.00	0.00	1.00
Composition, Crude oil	1	Metals	Phosphorus	D3-v-	9.91E+03	9.91E+03	9.91E+03	9.91E+03	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	Metals	Selenium	D3-v-	7.93E+01	7.93E+01	7.93E+01	7.93E+01	ug/l	1	0.00	0.00	1.00
Composition, Crude oil	1	Metals	Zinc	D3-v-	7.93E+01	7.93E+01	7.93E+01	7.93E+01	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Acenaphthene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Acenaphthylene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Anthracene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	0.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Composition, Crude oil	1	PAH	Benzo(a)anthracene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Benzo(a)pyrene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Benzo(b)fluoranthene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Benzo(g,h,i)perylene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Benzo(k)fluoranthene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	1.00
Composition, Crude oil	1	PAH	Chrysene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Dibenz(a,h)anthracene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Fluoranthene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	1.00
Composition, Crude oil	1	PAH	Fluorene	C3-v-	1.88E+05	1.88E+05	1.88E+05	1.88E+05	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Indeno(1,2,3-cd)pyrene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	1.00
Composition, Crude oil	1	PAH	Naphthalene	C3-v-	8.82E+05	8.82E+05	8.82E+05	8.82E+05	ug/l	1	0.00	0.00	1.00
Composition, Crude oil	1	PAH	Phenanthrene	C3-v-	2.48E+05	2.48E+05	2.48E+05	2.48E+05	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	PAH	Pyrene	C3-v-	4.96E+04	4.96E+04	4.96E+04	4.96E+04	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	SVOC	Ethylbenzene	C3-v0	1.28E+06	1.28E+06	7.73E+05	1.78E+06	ug/l	1	55.91	502.34	1.00
Composition, Crude oil	1	VOC	Benzene	C3-v2	4.25E+05	3.57E+05	5.65E+03	9.12E+05	ug/l	2	107.57	267.21	1.00
Composition, Crude oil	1	VOC	Propylene	C3-v-	4.96E+03	4.96E+03	4.96E+03	4.96E+03	ug/l	1	0.00	0.00	0.00
Composition, Crude oil	1	VOC	Toluene	C3-v2	1.69E+06	1.49E+06	2.08E+04	3.57E+06	ug/l	2	105.36	261.72	1.00
Composition, Crude oil	1	VOC	Xylene (Total)	C3-v2	1.70E+06	1.49E+06	5.05E+04	3.57E+06	ug/l	2	103.93	258.17	1.00
Composition, Diesel	1	Metals	Arsenic	D3-v0	1.29E+02	1.29E+02	6.88E+01	1.89E+02	ug/l	2	66.00	592.95	0.73
Composition, Diesel	1	Metals	Beryllium	D3-v0	3.70E+02	3.70E+02	1.72E+02	5.68E+02	ug/l	2	75.64	679.63	0.77
Composition, Diesel	1	Metals	Cadmium	D3-v1	2.37E+02	2.37E+02	6.88E+01	4.04E+02	ug/l	2	100.28	900.98	0.85
Composition, Diesel	1	Metals	Chromium (Hex)	D3-v-	1.72E+01	1.72E+01	1.72E+01	1.72E+01	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	Metals	Chromium (Total)	D3-v0	3.27E+02	3.27E+02	1.72E+02	4.82E+02	ug/l	2	66.99	601.87	1.00
Composition, Diesel	1	Metals	Copper	D3-v0	5.55E+02	5.55E+02	3.35E+02	7.74E+02	ug/l	2	55.91	502.34	0.30
Composition, Diesel	1	Metals	Lead	D3-v0	4.17E+02	4.17E+02	2.58E+02	5.76E+02	ug/l	2	53.94	484.67	0.69
Composition, Diesel	1	Metals	Magnesium	C3-v-	1.72E+01	1.72E+01	1.72E+01	1.72E+01	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	Metals	Manganese	D3-v0	3.40E+02	3.40E+02	2.58E+02	4.21E+02	ug/l	2	34.01	305.59	0.62
Composition, Diesel	1	Metals	Mercury	D3-v-	6.88E+00	6.88E+00	6.88E+00	6.88E+00	ug/l	1	0.00	0.00	0.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Composition, Diesel	1	Metals	Nickel	D3-v0	5.68E+02	5.68E+02	4.47E+02	6.88E+02	ug/l	2	30.00	269.52	0.39
Composition, Diesel	1	Metals	Phosphorus	D3-v-	8.60E+03	8.60E+03	8.60E+03	8.60E+03	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	Metals	Selenium	D3-v1	9.55E+02	9.55E+02	6.88E+01	1.84E+03	ug/l	2	131.23	1179.04	0.96
Composition, Diesel	1	Metals	Zinc	D3-v2	2.14E+04	2.14E+04	6.19E+02	4.21E+04	ug/l	2	137.33	1233.82	1.00
Composition, Diesel	1	PAH	Acenaphthene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Acenaphthylene	C3-v-	2.58E+05	2.58E+05	2.58E+05	2.58E+05	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Anthracene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Benzo(a)anthracene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Benzo(a)pyrene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Benzo(b)fluoranthene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Benzo(g,h,i)perylene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Benzo(k)fluoranthene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Chrysene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Dibenz(a,h)anthracene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Fluoranthene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Fluorene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Indeno(1,2,3-cd)pyrene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Naphthalene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Phenanthrene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	PAH	Pyrene	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	SVOC	Ethylbenzene	C3-v-	8.80E+05	8.80E+05	8.80E+05	8.80E+05	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	SVOC	Phenol	C3-v-	2.58E+06	2.58E+06	2.58E+06	2.58E+06	ug/l	1	0.00	0.00	1.00
Composition, Diesel	1	VOC	Benzene	C3-v-	1.80E+06	1.80E+06	1.80E+06	1.80E+06	ug/l	1	0.00	0.00	0.00
Composition, Diesel	1	VOC	Toluene	C3-v-	1.40E+06	1.40E+06	1.40E+06	1.40E+06	ug/l	1	0.00	0.00	1.00
Composition, Diesel	1	VOC	Xylene (o)	C3-v-	6.90E+05	6.90E+05	6.90E+05	6.90E+05	ug/l	1	0.00	0.00	1.00
Composition, Jp-4	1	Metals	Arsenic	C3-v-	3.28E+03	3.28E+03	3.28E+03	3.28E+03	ug/l	1	0.00	0.00	0.00
Composition, Jp-4	1	Metals	Beryllium	C3-v-	4.10E+02	4.10E+02	4.10E+02	4.10E+02	ug/l	1	0.00	0.00	0.00
Composition, Jp-4	1	Metals	Cadmium	C3-v-	4.10E+02	4.10E+02	4.10E+02	4.10E+02	ug/l	1	0.00	0.00	0.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Composition, Jp-4	1	Metals	Chromium (Total)	C3-v-	9.84E+02	9.84E+02	9.84E+02	9.84E+02	ug/l	1	0.00	0.00	1.00
Composition, Jp-4	1	Metals	Copper	C3-v-	8.20E+02	8.20E+02	8.20E+02	8.20E+02	ug/l	1	0.00	0.00	0.00
Composition, Jp-4	1	Metals	Lead	C3-v-	1.64E+03	1.64E+03	1.64E+03	1.64E+03	ug/l	1	0.00	0.00	1.00
Composition, Jp-4	1	Metals	Manganese	C3-v-	4.10E+02	4.10E+02	4.10E+02	4.10E+02	ug/l	1	0.00	0.00	0.00
Composition, Jp-4	1	Metals	Mercury	C3-v-	2.05E+02	2.05E+02	2.05E+02	2.05E+02	ug/l	1	0.00	0.00	0.00
Composition, Jp-4	1	Metals	Nickel	C3-v-	8.20E+02	8.20E+02	8.20E+02	8.20E+02	ug/l	1	0.00	0.00	0.00
Composition, Jp-4	1	Metals	Phosphorus	C3-v-	3.77E+03	3.77E+03	3.77E+03	3.77E+03	ug/l	1	0.00	0.00	1.00
Composition, Jp-4	1	Metals	Selenium	C3-v-	8.20E+02	8.20E+02	8.20E+02	8.20E+02	ug/l	1	0.00	0.00	0.00
Composition, Jp-4	1	Metals	Zinc	C3-v-	2.87E+03	2.87E+03	2.87E+03	2.87E+03	ug/l	1	0.00	0.00	1.00
Composition, Jp-5	1	Metals	Arsenic	C3-v-	5.74E+01	5.74E+01	5.74E+01	5.74E+01	ug/l	1	0.00	0.00	0.00
Composition, Jp-5	1	Metals	Beryllium	C3-v-	3.12E+02	3.12E+02	3.12E+02	3.12E+02	ug/l	1	0.00	0.00	1.00
Composition, Jp-5	1	Metals	Cadmium	C3-v-	2.30E+02	2.30E+02	2.30E+02	2.30E+02	ug/l	1	0.00	0.00	1.00
Composition, Jp-5	1	Metals	Chromium (Total)	C3-v-	3.69E+02	3.69E+02	3.69E+02	3.69E+02	ug/l	1	0.00	0.00	1.00
Composition, Jp-5	1	Metals	Copper	C3-v-	7.38E+02	7.38E+02	7.38E+02	7.38E+02	ug/l	1	0.00	0.00	0.00
Composition, Jp-5	1	Metals	Lead	C3-v-	2.05E+02	2.05E+02	2.05E+02	2.05E+02	ug/l	1	0.00	0.00	1.00
Composition, Jp-5	1	Metals	Magnesium	C3-v-	1.64E+01	1.64E+01	1.64E+01	1.64E+01	ug/l	1	0.00	0.00	0.00
Composition, Jp-5	1	Metals	Manganese	C3-v-	2.38E+02	2.38E+02	2.38E+02	2.38E+02	ug/l	1	0.00	0.00	1.00
Composition, Jp-5	1	Metals	Nickel	C3-v-	2.05E+02	2.05E+02	2.05E+02	2.05E+02	ug/l	1	0.00	0.00	1.00
Composition, Jp-5	1	Metals	Selenium	C3-v-	1.39E+03	1.39E+03	1.39E+03	1.39E+03	ug/l	1	0.00	0.00	1.00
Composition, Jp-5	1	Metals	Zinc	C3-v-	4.18E+02	4.18E+02	4.18E+02	4.18E+02	ug/l	1	0.00	0.00	1.00
Composition, Lube Oil	1	Metals	Arsenic	D2-v0	8.59E+01	7.93E+01	7.93E+01	9.91E+01	ug/l	3	13.32	33.10	0.00
Composition, Lube Oil	1	Metals	Beryllium	D2-v0	1.65E+02	1.98E+02	9.91E+01	1.98E+02	ug/l	3	34.64	86.05	0.00
Composition, Lube Oil	1	Metals	Cadmium	D2-v0	9.41E+01	8.92E+01	7.93E+01	1.19E+02	ug/l	3	20.16	32.07	0.32
Composition, Lube Oil	1	Metals	Chromium (Hex)	D2-v0	2.97E+01	1.98E+01	1.98E+01	4.96E+01	ug/l	3	57.74	143.42	0.00
Composition, Lube Oil	1	Metals	Chromium (Total)	D3-v0	7.93E+01	7.93E+01	7.93E+01	7.93E+01	ug/l	2	0.00	0.00	0.00
Composition, Lube Oil	1	Metals	Copper	D2-v1	4.06E+02	3.62E+02	2.97E+01	8.72E+02	ug/l	3	85.59	136.19	1.00
Composition, Lube Oil	1	Metals	Lead	D2-v0	2.64E+02	2.97E+02	1.98E+02	2.97E+02	ug/l	3	21.65	53.78	0.00
Composition, Lube Oil	1	Metals	Manganese	D2-v0	2.64E+02	2.97E+02	1.98E+02	2.97E+02	ug/l	3	21.65	53.78	0.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Composition, Lube Oil	1	Metals	Mercury	D2-v0	5.95E+00	7.93E+00	1.98E+00	7.93E+00	ug/l	3	57.74	143.42	0.00
Composition, Lube Oil	1	Metals	Nickel	D2-v0	6.94E+02	7.93E+02	4.96E+02	7.93E+02	ug/l	3	24.74	61.47	0.00
Composition, Lube Oil	1	Metals	Phosphorus	D2-v0	1.24E+05	1.24E+05	4.96E+04	1.98E+05	ug/l	3	54.06	86.02	1.00
Composition, Lube Oil	1	Metals	Selenium	D2-v0	6.94E+01	7.93E+01	4.96E+01	7.93E+01	ug/l	3	24.74	61.47	0.00
Composition, Lube Oil	1	Metals	Zinc	D2-v2	6.37E+04	6.29E+04	3.07E+02	1.29E+05	ug/l	3	101.29	161.18	1.00
Composition, Produced water	1	SVOC	Ethylbenzene	A1-v2	1.43E+02	3.70E+01	1.70E+00	4.80E+02	ug/l	6	135.67	142.38	1.00
Composition, Produced water	1	VOC	Ammonia	B3-v-	1.00E+02	1.00E+02	1.00E+02	1.00E+02	ug/l	1	0.00	0.00	0.00
Composition, Produced water	1	VOC	Benzene	A1-v2	1.60E+03	1.75E+03	2.50E+01	2.60E+03	ug/l	6	62.25	65.33	1.00
Composition, Produced water	1	VOC	Hydrogen Sulfide	C3-v-	1.20E+03	1.20E+03	1.20E+03	1.20E+03	ug/l	1	0.00	0.00	1.00
Composition, Produced water	1	VOC	Toluene	A1-v2	6.93E+02	3.65E+02	7.80E+00	1.90E+03	ug/l	6	107.13	112.43	1.00
Composition, Produced water	1	VOC	Xylene (Total)	A1-v1	3.12E+02	9.35E+01	3.30E+01	1.10E+03	ug/l	6	135.65	142.36	1.00
Composition, Sour Water	1	VOC	Ammonia	B3-v0	2.30E+02	2.30E+02	1.60E+02	3.00E+02	ug/l	1	30.43	75.60	1.00
Composition, Sour Water	1	VOC	Hydrogen Sulfide	C3-v1	3.07E+05	3.42E+05	4.70E+04	5.32E+05	ug/l	1	79.67	197.91	1.00
Composition, Wastewater	1	SVOC	Ethylbenzene	A2-v2	4.06E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	143.83	49.83	0.01
Composition, Wastewater	1	VOC	1,1,1-Trichloroethane	A2-v2	1.44E+02	2.50E+01	5.00E+00	9.00E+02	ug/l	4	176.12	61.02	0.82
Composition, Wastewater	1	VOC	1,1,2,2-Tetrachloroethane	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	1,1,2-Trichloroethane	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	1,1-Dichloroethane	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	1,1-Dichloroethene	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	1,2-Dichloroethane	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	1,2-Dichloroethene	A2-v2	3.52E+01	5.00E+00	5.00E+00	2.50E+02	ug/l	3	193.02	81.51	0.00
Composition, Wastewater	1	VOC	1,2-Dichloropropane	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	2-Chloroethyl Vinyl Ether	A2-v2	7.47E+01	5.00E+01	1.00E+01	5.00E+02	ug/l	4	157.76	54.66	0.00
Composition, Wastewater	1	VOC	2-Hexanone	A2-v2	7.78E+01	5.00E+01	1.00E+01	5.00E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	4-Methyl-2-pentanone	A2-v2	7.70E+01	5.00E+01	1.00E+01	5.00E+02	ug/l	4	153.27	53.11	0.00
Composition, Wastewater	1	VOC	Acetone	A2-v3	1.27E+03	6.65E+02	1.10E+01	1.40E+04	ug/l	4	197.73	68.51	1.00
Composition, Wastewater	1	VOC	Acrolein	A2-v2	4.45E+02	1.00E+02	1.00E+02	5.00E+03	ug/l	3	244.16	114.27	0.00
Composition, Wastewater	1	VOC	Acrylonitrile	A2-v2	7.78E+02	5.00E+02	1.00E+02	5.00E+03	ug/l	4	151.38	52.45	0.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Composition, Wastewater	1	VOC	Benzene	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Bromodichloromethane	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Bromoform	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Bromomethane	A2-v2	7.78E+01	5.00E+01	1.00E+01	5.00E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Carbon disulfide	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Carbon Tetrachloride	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Chlorobenzene	A3-v0	5.00E+01	5.00E+01	5.00E+01	5.00E+01	ug/l	1	0.00	0.00	0.00
Composition, Wastewater	1	VOC	Chloroethane	A2-v2	7.78E+01	5.00E+01	1.00E+01	5.00E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Chloroform	A2-v2	3.91E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	150.55	52.16	0.02
Composition, Wastewater	1	VOC	Chloromethane	A2-v2	7.78E+01	5.00E+01	1.00E+01	5.00E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	cis-1,3-Dichloropropene	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Dibromochloromethane	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Dichlorodifluoromethane	A2-v2	3.89E+03	2.50E+03	5.00E+02	2.50E+04	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Methyl Ethyl Ketone	A2-v2	7.88E+01	5.00E+01	1.00E+01	5.00E+02	ug/l	4	149.96	51.96	0.05
Composition, Wastewater	1	VOC	Methylene Chloride	A2-v2	6.91E+01	2.50E+01	5.00E+00	9.20E+02	ug/l	4	240.78	83.42	0.44
Composition, Wastewater	1	VOC	Styrene	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Tetrachloroethene	A2-v2	3.97E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	147.49	51.10	0.05
Composition, Wastewater	1	VOC	Toluene	A2-v2	1.16E+02	5.00E+01	5.00E+00	4.50E+02	ug/l	4	128.50	44.52	0.75
Composition, Wastewater	1	VOC	trans-1,2-Dichloroethene	A3-v0	5.00E+01	5.00E+01	5.00E+01	5.00E+01	ug/l	1	0.00	0.00	0.00
Composition, Wastewater	1	VOC	trans-1,3-Dichloropropene	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Trichloroethene	A2-v2	4.11E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	141.83	49.14	0.06
Composition, Wastewater	1	VOC	Trichlorofluoromethane	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Vinyl Acetate	A2-v2	7.00E+01	5.00E+01	1.00E+01	5.00E+02	ug/l	4	135.67	47.01	0.00
Composition, Wastewater	1	VOC	Vinyl Chloride	A2-v2	7.78E+01	5.00E+01	1.00E+01	5.00E+02	ug/l	4	151.38	52.45	0.00
Composition, Wastewater	1	VOC	Xylene (Total)	A2-v2	3.89E+01	2.50E+01	5.00E+00	2.50E+02	ug/l	4	151.38	52.45	0.00
DAF Tank, Wastewater	1	SVOC	Ethylbenzene	A3-v0	4.65E-01	4.76E-01	4.19E-01	4.89E-01	ppbv	1	6.73	10.71	1.00
DAF Tank, Wastewater	1	VOC	1,1,1-Trichloroethane	A3-v0	1.86E-01	1.83E-01	1.83E-01	1.93E-01	ppbv	1	2.47	3.93	0.26
DAF Tank, Wastewater	1	VOC	1,2-Dichloroethane	A3-v0	2.47E-01	2.47E-01	2.47E-01	2.47E-01	ppbv	1	0.00	0.00	0.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
DAF Tank, Wastewater	1	VOC	Acetaldehyde	A3-v0	4.48E+00	4.36E+00	4.18E+00	5.01E+00	ppbv	1	8.49	13.51	1.00
DAF Tank, Wastewater	1	VOC	Ammonia	B3-v0	2.99E+03	2.79E+03	2.39E+03	3.99E+03	ppbv	1	23.47	37.35	1.00
DAF Tank, Wastewater	1	VOC	Benzene	A3-v0	5.39E-01	5.40E-01	5.23E-01	5.51E-01	ppbv	1	2.18	3.46	1.00
DAF Tank, Wastewater	1	VOC	Carbon Tetrachloride	A3-v0	1.59E-01	1.59E-01	1.59E-01	1.59E-01	ppbv	1	0.00	0.00	0.00
DAF Tank, Wastewater	1	VOC	Chlorobenzene	A3-v0	2.17E-01	2.17E-01	2.17E-01	2.17E-01	ppbv	1	0.00	0.00	0.00
DAF Tank, Wastewater	1	VOC	Chloroform	A3-v0	2.05E-01	2.05E-01	2.05E-01	2.05E-01	ppbv	1	0.00	0.00	0.00
DAF Tank, Wastewater	1	VOC	Formaldehyde	A3-v0	2.65E+00	2.66E+00	2.45E+00	2.81E+00	ppbv	1	5.59	8.90	1.00
DAF Tank, Wastewater	1	VOC	Freon 11	A3-v0	2.02E-01	2.02E-01	2.02E-01	2.02E-01	ppbv	1	0.00	0.00	0.00
DAF Tank, Wastewater	1	VOC	Hydrogen Sulfide	A3-v0	6.73E+02	6.60E+02	6.60E+02	7.10E+02	ppbv	1	3.72	5.92	0.00
DAF Tank, Wastewater	1	VOC	Methylene Chloride	A3-v0	6.02E+02	6.04E+02	5.78E+02	6.24E+02	ppbv	1	3.41	5.42	1.00
DAF Tank, Wastewater	1	VOC	p-Dichlorobenzene	A3-v0	1.25E+01	1.25E+01	1.19E+01	1.30E+01	ppbv	1	3.76	5.98	1.00
DAF Tank, Wastewater	1	VOC	Tetrachloroethene	A3-v0	3.88E-01	3.89E-01	3.78E-01	3.95E-01	ppbv	1	1.94	3.09	1.00
DAF Tank, Wastewater	1	VOC	Toluene	A3-v0	1.42E+00	1.37E+00	1.27E+00	1.68E+00	ppbv	1	12.76	20.31	1.00
DAF Tank, Wastewater	1	VOC	Trichloroethene	A3-v0	1.86E-01	1.86E-01	1.86E-01	1.86E-01	ppbv	1	0.00	0.00	0.00
DAF Tank, Wastewater	1	VOC	Xylene (m,p)	A3-v0	5.85E-01	5.83E-01	5.55E-01	6.20E-01	ppbv	1	4.70	7.48	1.00
DAF Tank, Wastewater	1	VOC	Xylene (o)	A3-v0	1.16E+00	1.18E+00	1.06E+00	1.22E+00	ppbv	1	6.48	10.30	1.00
Flanges, Crude oil	1	VOC	Hydrogen Sulfide	C3-v0	1.02E+04	1.02E+04	9.40E+03	1.10E+04	ppbv	1	11.09	99.66	1.00
Flanges, Field gas	1	SVOC	Ethylbenzene	B3-v1	8.05E+03	8.05E+03	2.10E+03	1.40E+04	ppbv	2	104.53	939.15	1.00
Flanges, Field gas	1	VOC	Ammonia	B3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Flanges, Field gas	1	VOC	Benzene	B3-v1	2.44E+05	2.44E+05	2.30E+04	4.65E+05	ppbv	2	128.08	1150.72	1.00
Flanges, Field gas	1	VOC	Formaldehyde	B3-v2	2.55E+02	2.55E+02	1.00E+01	5.00E+02	ppbv	2	135.88	1220.79	0.00
Flanges, Field gas	1	VOC	Hydrogen Sulfide	C3-v1	4.30E+03	4.30E+03	5.00E+02	8.10E+03	ppbv	2	124.98	1122.87	0.94
Flanges, Field gas	1	VOC	Toluene	B3-v1	1.91E+05	1.91E+05	5.70E+04	3.26E+05	ppbv	2	99.29	892.12	1.00
Flanges, Field gas	1	VOC	Xylene (o)	C3-v-	3.80E+03	3.80E+03	3.80E+03	3.80E+03	ppbv	1	0.00	0.00	1.00
Flanges, Field gas	1	VOC	Xylene (Total)	A3-v-	1.80E+04	1.80E+04	1.80E+04	1.80E+04	ppbv	1	0.00	0.00	1.00
Fugitive, Sulfur	1	VOC	Hydrogen Sulfide	C3-v0	6.85E+04	6.85E+04	5.80E+04	7.90E+04	ppbv	1	21.68	194.77	1.00
Fugitives, Casing/Natural Gas	1	Metals	Arsenic	B3-v0	1.87E-03	1.80E-03	1.80E-03	2.00E-03	ppbv	2	6.19	15.37	0.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Fugitives, Casing/Natural Gas	1	Metals	Beryllium	B3-v1	2.12E-01	3.01E-01	3.31E-02	3.01E-01	ppbv	2	73.07	181.53	0.00
Fugitives, Casing/Natural Gas	1	Metals	Cadmium	B3-v0	2.33E-04	2.00E-04	2.00E-04	3.00E-04	ppbv	2	24.74	61.47	0.00
Fugitives, Casing/Natural Gas	1	Metals	Chromium (Hex)	B3-v0	2.70E-03	2.60E-03	2.60E-03	2.90E-03	ppbv	2	6.42	15.94	0.00
Fugitives, Casing/Natural Gas	1	Metals	Chromium (Total)	B3-v0	2.70E-03	2.60E-03	2.60E-03	2.90E-03	ppbv	2	6.42	15.94	0.00
Fugitives, Casing/Natural Gas	1	Metals	Copper	B3-v0	1.13E-03	1.10E-03	1.10E-03	1.20E-03	ppbv	2	5.09	12.65	0.32
Fugitives, Casing/Natural Gas	1	Metals	Lead	B3-v0	1.70E-03	2.00E-03	1.10E-03	2.00E-03	ppbv	2	30.57	75.93	0.61
Fugitives, Casing/Natural Gas	1	Metals	Manganese	B3-v0	1.28E-02	1.24E-02	1.24E-02	1.36E-02	ppbv	2	5.41	13.45	0.00
Fugitives, Casing/Natural Gas	1	Metals	Mercury	B3-v0	1.00E-04	1.00E-04	1.00E-04	1.00E-04	ppbv	2	0.00	0.00	0.00
Fugitives, Casing/Natural Gas	1	Metals	Nickel	B3-v0	2.39E-02	2.31E-02	2.31E-02	2.54E-02	ppbv	2	5.56	13.82	0.00
Fugitives, Casing/Natural Gas	1	Metals	Phosphorus	B3-v0	3.15E-01	3.22E-01	3.01E-01	3.22E-01	ppbv	2	3.69	9.16	0.34
Fugitives, Casing/Natural Gas	1	Metals	Selenium	B3-v0	1.77E-03	1.70E-03	1.70E-03	1.90E-03	ppbv	2	6.54	16.24	0.32
Fugitives, Casing/Natural Gas	1	Metals	Zinc	B3-v0	5.87E-03	3.10E-03	3.10E-03	1.14E-02	ppbv	2	81.68	202.91	1.00
Fugitives, Casing/Natural Gas	1	PAH	Acenaphthene	C3-v0	2.00E-04	2.00E-04	2.00E-04	2.00E-04	ppbv	2	0.00	0.00	1.00
Fugitives, Casing/Natural Gas	1	PAH	Acenaphthylene	C3-v0	2.00E-04	2.00E-04	2.00E-04	2.00E-04	ppbv	2	0.00	0.00	1.00
Fugitives, Casing/Natural Gas	1	PAH	Anthracene	C3-v0	2.00E-04	2.00E-04	2.00E-04	2.00E-04	ppbv	2	0.00	0.00	1.00
Fugitives, Casing/Natural Gas	1	PAH	Benzo(a)anthracene	C3-v0	3.00E-04	3.00E-04	3.00E-04	3.00E-04	ppbv	2	0.00	0.00	1.00
Fugitives, Casing/Natural Gas	1	PAH	Benzo(a)pyrene	C3-v0	2.67E-04	3.00E-04	2.00E-04	3.00E-04	ppbv	2	21.65	53.78	1.00
Fugitives, Casing/Natural Gas	1	PAH	Benzo(b)fluoranthene	C3-v0	3.00E-04	3.00E-04	3.00E-04	3.00E-04	ppbv	2	0.00	0.00	1.00
Fugitives, Casing/Natural Gas	1	PAH	Benzo(g,h,i)perylene	C3-v0	2.00E-04	2.00E-04	1.00E-04	3.00E-04	ppbv	2	50.00	124.21	1.00
Fugitives, Casing/Natural Gas	1	PAH	Benzo(k)fluoranthene	C3-v0	3.00E-04	3.00E-04	3.00E-04	3.00E-04	ppbv	2	0.00	0.00	1.00
Fugitives, Casing/Natural Gas	1	PAH	Chrysene	C3-v0	1.67E-04	2.00E-04	1.00E-04	2.00E-04	ppbv	2	34.64	86.05	1.00
Fugitives, Casing/Natural Gas	1	PAH	Dibenz(a,h)anthracene	C3-v0	2.33E-04	2.00E-04	2.00E-04	3.00E-04	ppbv	2	24.74	61.47	1.00
Fugitives, Casing/Natural Gas	1	PAH	Fluoranthene	C3-v0	2.00E-04	2.00E-04	2.00E-04	2.00E-04	ppbv	2	0.00	0.00	1.00
Fugitives, Casing/Natural Gas	1	PAH	Fluorene	C3-v0	2.00E-04	2.00E-04	2.00E-04	2.00E-04	ppbv	2	0.00	0.00	1.00
Fugitives, Casing/Natural Gas	1	PAH	Indeno(1,2,3-cd)pyrene	C3-v0	2.33E-04	2.00E-04	2.00E-04	3.00E-04	ppbv	2	24.74	61.47	1.00
Fugitives, Casing/Natural Gas	1	PAH	Naphthalene	C3-v0	2.05E-02	1.24E-02	1.24E-02	3.67E-02	ppbv	2	68.44	170.01	1.00
Fugitives, Casing/Natural Gas	1	PAH	Phenanthrene	C3-v0	2.00E-04	2.00E-04	2.00E-04	2.00E-04	ppbv	2	0.00	0.00	1.00
Fugitives, Casing/Natural Gas	1	PAH	Pyrene	C3-v0	2.00E-04	2.00E-04	2.00E-04	2.00E-04	ppbv	2	0.00	0.00	1.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Fugitives, Casing/Natural Gas	1	VOC	Benzene	C3-v0	1.03E+05	1.05E+05	1.01E+05	1.05E+05	ppbv	2	2.40	5.97	1.00
Fugitives, Casing/Natural Gas	1	VOC	Hydrogen Sulfide	C3-v0	2.16E+05	2.02E+05	2.02E+05	2.44E+05	ppbv	2	11.45	28.44	1.00
Fugitives, Casing/Natural Gas	1	VOC	Propylene	C3-v0	2.00E+03	2.00E+03	2.00E+03	2.00E+03	ppbv	2	0.00	0.00	1.00
Fugitives, Casing/Natural Gas	1	VOC	Toluene	C3-v0	6.11E+04	5.39E+04	5.38E+04	7.55E+04	ppbv	2	20.47	50.85	1.00
Fugitives, Casing/Natural Gas	1	VOC	Xylene (Total)	C3-v0	4.79E+04	3.18E+04	3.17E+04	8.03E+04	ppbv	2	58.48	145.27	1.00
Gas Processing, Field gas	1	VOC	Benzene	C3-v0	1.55E+05	1.55E+05	1.50E+05	1.60E+05	ppbv	1	4.56	40.99	1.00
Gas Processing, Field gas	1	VOC	Formaldehyde	A3-v0	8.54E+02	8.71E+02	7.45E+02	9.47E+02	ppbv	1	11.97	29.73	1.00
Gas Processing, Field gas	1	VOC	Hydrogen Sulfide	C3-v0	3.35E+03	3.35E+03	2.10E+03	4.60E+03	ppbv	1	52.77	474.11	1.00
Gas Processing, Field gas	1	VOC	Propylene	C3-v0	4.11E+06	4.11E+06	4.05E+06	4.17E+06	ppbv	1	2.06	18.55	1.00
Gas Processing, Field gas	1	VOC	Toluene	C3-v0	1.60E+05	1.60E+05	1.60E+05	1.60E+05	ppbv	1	0.00	0.00	1.00
Gas Processing, Field gas	1	VOC	Xylene (Total)	C3-v0	1.75E+04	1.75E+04	1.70E+04	1.80E+04	ppbv	1	4.04	36.30	1.00
Gas Processing, Fuel Gas	1	Metals	Arsenic	D3-v2	3.84E+00	4.90E+00	3.27E-02	5.53E+00	ppbv	2	66.57	105.92	0.00
Gas Processing, Fuel Gas	1	Metals	Beryllium	D3-v0	8.50E+01	8.34E+01	8.05E+01	9.11E+01	ppbv	1	6.41	15.93	0.00
Gas Processing, Fuel Gas	1	Metals	Cadmium	D3-v2	8.96E+00	9.45E+00	4.35E-02	1.69E+01	ppbv	2	83.25	132.47	1.00
Gas Processing, Fuel Gas	1	Metals	Chromium (Hex)	D3-v0	1.32E+01	1.35E+01	1.25E+01	1.36E+01	ppbv	1	4.77	11.85	0.00
Gas Processing, Fuel Gas	1	Metals	Chromium (Total)	B3-v-	1.88E-01	1.88E-01	1.88E-01	1.88E-01	ppbv	1	0.00	0.00	1.00
Gas Processing, Fuel Gas	1	Metals	Copper	D3-v1	9.11E+00	1.16E+01	2.69E-01	1.29E+01	ppbv	2	65.06	103.53	0.00
Gas Processing, Fuel Gas	1	Metals	Lead	D3-v1	2.83E+00	3.56E+00	2.36E-01	3.96E+00	ppbv	2	61.49	97.84	0.00
Gas Processing, Fuel Gas	1	Metals	Manganese	D3-v3	1.32E+02	1.16E+02	2.67E-01	2.94E+02	ppbv	2	114.24	181.78	1.00
Gas Processing, Fuel Gas	1	Metals	Mercury	D3-v1	3.54E+00	1.08E+00	4.31E-01	1.16E+01	ppbv	2	152.35	242.42	0.82
Gas Processing, Fuel Gas	1	Metals	Nickel	D3-v1	9.90E+00	1.26E+01	4.58E-01	1.40E+01	ppbv	2	63.95	101.76	0.00
Gas Processing, Fuel Gas	1	Metals	Selenium	D3-v1	7.62E-01	9.30E-01	9.30E-02	1.09E+00	ppbv	2	59.69	94.99	0.00
Gas Processing, Fuel Gas	1	Metals	Zinc	D3-v0	9.54E+00	1.13E+01	3.03E+00	1.26E+01	ppbv	2	45.95	73.11	0.00
Gas Processing, Fuel Gas	1	SVOC	Ethylbenzene	C3-v-	1.80E+04	1.80E+04	1.80E+04	1.80E+04	ppbv	1	0.00	0.00	1.00
Gas Processing, Fuel Gas	1	VOC	1,1,1-Trichloroethane	C3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	1,1,2,2-Tetrachloroethane	C3-v-	2.00E+03	2.00E+03	2.00E+03	2.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	1,1,2-Trichloroethane	C3-v-	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	1,1-Dichloroethane	C3-v-	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Gas Processing, Fuel Gas	1	VOC	1,1-Dichloroethene	C3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	1,2,4-Trichlorobenzene	C3-v-	3.50E+03	3.50E+03	3.50E+03	3.50E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	1,2-Dichloroethane	C3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	1,2-Dichloropropane	C3-v-	4.00E+03	4.00E+03	4.00E+03	4.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	2-Hexanone	C3-v-	2.50E+03	2.50E+03	2.50E+03	2.50E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	4-Methyl-2-pentanone	C3-v-	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Acetone	C3-v-	5.00E+03	5.00E+03	5.00E+03	5.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Ammonia	B3-v0	3.21E+01	3.21E+01	3.21E+01	3.21E+01	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Benzene	A1-v4	5.25E+05	1.10E+05	2.70E+02	1.40E+06	ppbv	5	121.41	93.33	1.00
Gas Processing, Fuel Gas	1	VOC	Bromodichloromethane	C3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Bromoform	C3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Bromomethane	C3-v-	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Carbon disulfide	C3-v-	5.00E+03	5.00E+03	5.00E+03	5.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Carbon Tetrachloride	C3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Chlorobenzene	C3-v-	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Chloroethane	C3-v-	2.50E+03	2.50E+03	2.50E+03	2.50E-03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Chloroform	C3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Chloromethane	C3-v-	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	cis-1,2-Dichloroethene	C3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	cis-1,3-Dichloropropene	C3-v-	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Dibromochloromethane	C3-v-	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Dichlorodifluoromethane	C3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Freon 113	C3-v-	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Hydrogen Sulfide	B2-v1	5.01E+02	2.70E+02	1.00E+02	1.36E+03	ppbv	3	108.91	91.05	0.24
Gas Processing, Fuel Gas	1	VOC	Methyl Ethyl Ketone	C3-v-	2.60E+03	2.60E+03	2.60E+03	2.60E+03	ppbv	1	0.00	0.00	1.00
Gas Processing, Fuel Gas	1	VOC	Methylene Chloride	C3-v-	3.00E+03	3.00E+03	3.00E+03	3.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Propylene	A3-v0	1.00E+05	1.00E+05	1.00E+05	1.00E+05	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Styrene	C3-v-	3.50E+03	3.50E+03	3.50E+03	3.50E+03	ppbv	1	0.00	0.00	0.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Gas Processing, Fuel Gas	1	VOC	Tetrachloroethene	C3-v-	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Toluene	A1-v4	1.28E+05	9.00E+04	6.00E+01	3.40E+05	ppbv	5	107.02	82.26	1.00
Gas Processing, Fuel Gas	1	VOC	trans-1,2-Dichloroethene	C3-v-	2.00E+03	2.00E+03	2.00E+03	2.00E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	trans-1,3-Dichloropropene	C3-v-	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Trichloroethene	C3-v-	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Trichlorofluoromethane	C3-v-	5.00E+02	5.00E+02	5.00E+02	5.00E+02	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Vinyl Acetate	C3-v-	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Vinyl Chloride	C3-v-	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Gas Processing, Fuel Gas	1	VOC	Xylene (Total)	A1-v3	1.22E+05	1.90E+04	7.50E+01	3.12E+05	ppbv	5	117.55	90.35	1.00
Gas Processing, Produced Gas	1	VOC	Acetaldehyde	C2-v1	4.10E+02	2.38E+02	4.25E+01	1.25E+03	ppbv	4	115.55	121.26	1.00
Gas Processing, Produced Gas	1	VOC	Benzene	A2-v0	6.85E+04	7.25E+04	3.40E+04	1.00E+05	ppbv	4	36.09	37.87	1.00
Gas Processing, Produced Gas	1	VOC	Formaldehyde	C2-v1	1.52E+01	1.16E+01	3.17E+00	2.98E+01	ppbv	4	74.45	78.13	1.00
Gas Processing, Produced Gas	1	VOC	Hydrogen Sulfide	C2-v2	5.42E+03	3.50E+03	2.00E+02	1.54E+04	ppbv	4	98.54	103.41	0.99
Gas Processing, Produced Gas	1	VOC	Toluene	A2-v1	3.91E+04	9.20E+03	5.00E+03	1.20E+05	ppbv	4	129.84	136.26	1.00
Gas Processing, Produced Gas	1	VOC	Xylene (m,p)	A2-v2	1.17E+04	3.90E+02	1.10E+02	3.60E+04	ppbv	4	151.73	159.23	1.00
Gas Processing, Produced Gas	1	VOC	Xylene (o)	A2-v3	6.22E+03	1.32E+02	3.20E+01	2.00E+04	ppbv	4	153.58	161.17	1.00
Headworks, Wastewater	1	VOC	Hydrogen Sulfide	A3-v0	7.05E+02	7.05E+02	7.00E+02	7.10E+02	ppbv	1	0.82	1.30	0.00
Main Trap, Produced Gas	1	VOC	Benzene	C3-v0	2.48E+04	2.48E+04	2.40E+04	2.56E+04	ppbv	1	4.56	40.99	1.00
Main Trap, Produced Gas	1	VOC	Formaldehyde	C3-v0	4.58E+02	4.29E+02	2.72E+02	6.73E+02	ppbv	1	44.13	109.62	1.00
Main Trap, Produced Gas	1	VOC	Hydrogen Sulfide	C3-v1	2.25E+03	2.25E+03	1.00E+02	4.40E+03	ppbv	1	135.14	1214.14	0.98
Main Trap, Produced Gas	1	VOC	Propylene	C3-v0	7.00E+06	7.00E+06	6.80E+06	7.20E+06	ppbv	1	4.04	36.30	1.00
Main Trap, Produced Gas	1	VOC	Toluene	C3-v0	2.92E+04	2.92E+04	2.70E+04	3.14E+04	ppbv	1	10.66	95.73	1.00
Main Trap, Produced Gas	1	VOC	Xylene (Total)	C3-v0	9.40E+03	9.40E+03	7.80E+03	1.10E+04	ppbv	1	24.07	216.27	1.00
PST, Wastewater	1	SVOC	Ethylbenzene	C3-v0	7.50E-01	7.50E-01	7.40E-01	7.60E-01	ppbv	1	1.54	2.45	1.00
PST, Wastewater	1	VOC	1,1,1-Trichloroethane	C3-v0	3.20E-01	3.35E-01	1.83E-01	4.29E-01	ppbv	1	32.10	51.08	0.86
PST, Wastewater	1	VOC	1,2-Dichloroethane	C3-v0	2.47E-01	2.47E-01	2.47E-01	2.47E-01	ppbv	1	0.00	0.00	0.00
PST, Wastewater	1	VOC	Acetaldehyde	A3-v0	7.43E+00	7.71E+00	4.92E+00	9.40E+00	ppbv	1	30.07	47.85	1.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
PST, Wastewater	1	VOC	Ammonia	B3-v0	1.90E+03	1.88E+03	1.06E+03	2.78E+03	ppbv	1	43.43	69.10	1.00
PST, Wastewater	1	VOC	Benzene	C3-v0	9.00E-01	9.00E-01	8.60E-01	9.40E-01	ppbv	1	4.54	7.22	1.00
PST, Wastewater	1	VOC	Carbon Tetrachloride	C3-v0	1.59E-01	1.59E-01	1.59E-01	1.59E-01	ppbv	1	0.00	0.00	0.00
PST, Wastewater	1	VOC	Chlorobenzene	C3-v1	7.08E-01	7.00E-01	1.10E-01	1.32E+00	ppbv	1	97.53	155.20	0.54
PST, Wastewater	1	VOC	Chloroform	C3-v0	2.05E-01	2.05E-01	2.05E-01	2.05E-01	ppbv	1	0.00	0.00	0.00
PST, Wastewater	1	VOC	Formaldehyde	A3-v0	6.91E+00	6.99E+00	4.86E+00	8.80E+00	ppbv	1	24.24	38.57	1.00
PST, Wastewater	1	VOC	Freon 11	C3-v0	2.02E-01	2.02E-01	2.02E-01	2.02E-01	ppbv	1	0.00	0.00	0.00
PST, Wastewater	1	VOC	Hydrogen Sulfide	A3-v0	1.40E+03	1.42E+03	1.29E+03	1.45E+03	ppbv	1	5.15	8.20	0.00
PST, Wastewater	1	VOC	Methylene Chloride	C3-v0	2.29E+03	2.28E+03	2.08E+03	2.50E+03	ppbv	1	8.10	12.89	1.00
PST, Wastewater	1	VOC	p-Dichlorobenzene	C3-v1	1.71E+01	1.68E+01	3.71E+00	3.12E+01	ppbv	1	89.83	142.94	1.00
PST, Wastewater	1	VOC	Tetrachloroethene	C3-v0	2.90E-01	2.89E-01	1.48E-01	4.35E-01	ppbv	1	56.78	90.36	0.75
PST, Wastewater	1	VOC	Toluene	C3-v0	1.78E+00	1.78E+00	1.62E+00	1.94E+00	ppbv	1	9.33	14.84	1.00
PST, Wastewater	1	VOC	Trichloroethene	C3-v0	1.86E-01	1.86E-01	1.86E-01	1.86E-01	ppbv	1	0.00	0.00	0.00
PST, Wastewater	1	VOC	Xylene (Total)	C3-v0	3.00E+00	3.00E+00	2.92E+00	3.08E+00	ppbv	1	2.65	4.21	1.00
Solids odor processing, Sludge	1	SVOC	Ethylbenzene	A3-v0	3.88E-01	3.98E-01	3.48E-01	4.08E-01	ppbv	1	6.99	11.12	1.00
Solids odor processing, Sludge	1	VOC	1,1,1-Trichloroethane	A3-v0	1.83E-01	1.83E-01	1.83E-01	1.83E-01	ppbv	1	0.00	0.00	0.00
Solids odor processing, Sludge	1	VOC	1,2-Dichloroethane	A3-v0	2.47E-01	2.47E-01	2.47E-01	2.47E-01	ppbv	1	0.00	0.00	0.00
Solids odor processing, Sludge	1	VOC	Acetaldehyde	A3-v0	1.78E+00	1.65E+00	1.40E+00	2.43E+00	ppbv	1	25.57	40.69	1.00
Solids odor processing, Sludge	1	VOC	Benzene	A3-v0	3.13E-01	3.13E-01	3.13E-01	3.13E-01	ppbv	1	0.00	0.00	0.00
Solids odor processing, Sludge	1	VOC	Carbon Tetrachloride	A3-v0	1.59E-01	1.59E-01	1.59E-01	1.59E-01	ppbv	1	0.00	0.00	0.00
Solids odor processing, Sludge	1	VOC	Chlorobenzene	A3-v0	2.17E-01	2.17E-01	2.17E-01	2.17E-01	ppbv	1	0.00	0.00	0.00
Solids odor processing, Sludge	1	VOC	Chloroform	A3-v0	2.05E-01	2.05E-01	2.05E-01	2.05E-01	ppbv	1	0.00	0.00	0.00
Solids odor processing, Sludge	1	VOC	Formaldehyde	A3-v0	2.96E+00	2.94E+00	2.15E+00	3.82E+00	ppbv	1	25.27	40.21	1.00
Solids odor processing, Sludge	1	VOC	Freon 11	A3-v0	2.02E-01	2.02E-01	2.02E-01	2.02E-01	ppbv	1	0.00	0.00	0.00
Solids odor processing, Sludge	1	VOC	Hydrogen Sulfide	A3-v0	7.15E+02	7.10E+02	7.10E+02	7.30E+02	ppbv	1	1.40	2.23	0.00
Solids odor processing, Sludge	1	VOC	Methylene Chloride	A3-v0	2.72E+02	2.73E+02	2.62E+02	2.82E+02	ppbv	1	3.41	5.43	1.00
Solids odor processing, Sludge	1	VOC	p-Dichlorobenzene	A3-v0	1.13E+01	1.13E+01	1.08E+01	1.17E+01	ppbv	1	3.76	5.98	1.00
Solids odor processing, Sludge	1	VOC	Tetrachloroethene	A3-v0	6.97E-01	7.00E-01	6.79E-01	7.10E-01	ppbv	1	1.90	3.02	1.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Solids odor processing, Sludge	1	VOC	Toluene	A3-v0	8.27E-01	7.97E-01	7.41E-01	9.75E-01	ppbv	1	12.76	20.30	1.00
Solids odor processing, Sludge	1	VOC	Trichloroethene	A3-v0	1.86E-01	1.86E-01	1.86E-01	1.86E-01	ppbv	1	0.00	0.00	0.00
Solids odor processing, Sludge	1	VOC	Xylene (m,p)	A3-v0	3.76E-01	3.74E-01	3.55E-01	3.99E-01	ppbv	1	4.93	7.85	1.00
Solids odor processing, Sludge	1	VOC	Xylene (o)	A3-v0	8.19E-01	8.34E-01	7.44E-01	8.62E-01	ppbv	1	6.52	10.38	1.00
Tank, Crude oil	1	SVOC	Ethylbenzene	A3-v1	3.20E+04	3.20E+04	4.00E+03	6.00E+04	ppbv	2	123.74	1111.79	1.00
Tank, Crude oil	1	VOC	Acetaldehyde	C1-v4	2.75E+04	7.40E+01	1.19E+01	2.47E+05	ppbv	9	299.45	230.18	1.00
Tank, Crude oil	1	VOC	Acrolein	C3-v-	2.00E+00	2.00E+00	2.00E+00	2.00E+00	ppbv	1	0.00	0.00	0.00
Tank, Crude oil	1	VOC	Ammonia	B2-v1	1.58E+03	4.12E+02	1.00E+02	3.49E+03	ppbv	3	100.11	92.59	0.01
Tank, Crude oil	1	VOC	Benzene	B1-v2	6.80E+05	7.70E+05	4.50E+03	1.90E+06	ppbv	17	90.67	41.27	1.00
Tank, Crude oil	1	VOC	Chlorobenzene	A3-v0	2.00E+00	2.00E+00	2.00E+00	2.00E+00	ppbv	1	0.00	0.00	0.00
Tank, Crude oil	1	VOC	Formaldehyde	C1-v4	2.17E+03	1.57E+01	2.00E+00	2.86E+04	ppbv	12	351.67	203.05	1.00
Tank, Crude oil	1	VOC	Hydrogen Sulfide	C1-v4	3.90E+04	1.70E+03	4.00E+01	2.44E+05	ppbv	15	184.09	88.73	0.93
Tank, Crude oil	1	VOC	Propylene	C1-v4	1.58E+06	2.50E+03	1.00E+03	6.50E+06	ppbv	5	185.03	154.69	1.00
Tank, Crude oil	1	VOC	Toluene	B1-v2	4.10E+05	4.50E+05	6.20E+03	1.20E+06	ppbv	17	88.22	40.16	0.94
Tank, Crude oil	1	VOC	Xylene (m,p)	A1-v1	1.02E+05	8.65E+04	3.80E+04	2.20E+05	ppbv	8	58.56	48.96	1.00
Tank, Crude oil	1	VOC	Xylene (o)	A1-v1	3.03E+04	2.70E+04	8.70E+03	5.70E+04	ppbv	8	54.35	45.43	1.00
Tank, Crude oil	1	VOC	Xylene (Total)	B1-v2	1.07E+05	2.70E+04	2.30E+03	3.66E+05	ppbv	9	118.84	71.82	1.00
Tank, Diluent	1	SVOC	Ethylbenzene	C3-v0	4.90E+04	4.90E+04	3.60E+04	6.20E+04	ppbv	1	37.52	337.10	1.00
Tank, Diluent	1	VOC	1,1,1-Trichloroethane	C3-v0	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	1,1,2,2-Tetrachloroethane	C3-v0	2.00E+03	2.00E+03	2.00E+03	2.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	1,1,2-Trichloroethane	C3-v0	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	1,1-Dichloroethane	C3-v0	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	1,1-Dichloroethene	C3-v0	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	1,2,4-Trichlorobenzene	C3-v0	3.50E+03	3.50E+03	3.50E+03	3.50E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	1,2-Dichloroethane	C3-v0	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	1,2-Dichloropropane	C3-v0	4.00E+03	4.00E+03	4.00E+03	4.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	2-Hexanone	C3-v0	2.50E+03	2.50E+03	2.50E+03	2.50E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	4-Methyl-2-pentanone	C3-v0	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Tank, Diluent	1	VOC	Acetone	C3-v0	5.00E+03	5.00E+03	5.00E+03	5.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Benzene	C3-v0	5.45E+04	5.45E+04	5.20E+04	5.70E+04	ppbv	1	6.49	58.29	1.00
Tank, Diluent	1	VOC	Bromodichloromethane	C3-v0	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Bromoform	C3-v0	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Bromomethane	C3-v0	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Carbon disulfide	C3-v0	6.95E+03	6.95E+03	6.90E+03	7.00E+03	ppbv	1	1.02	9.14	1.00
Tank, Diluent	1	VOC	Carbon Tetrachloride	C3-v0	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Chlorobenzene	C3-v0	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Chloroethane	C3-v0	2.50E+03	2.50E+03	2.50E+03	2.50E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Chloroform	C3-v0	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Chloromethane	C3-v0	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	cis-1,2-Dichloroethene	C3-v0	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	cis-1,3-Dichloropropene	C3-v0	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Dibromochloromethane	C3-v0	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Dichlorodifluoromethane	C3-v0	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Freon 113	C3-v0	1.00E+03	1.00E+03	1.00E+03	1.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Methyl Ethyl Ketone	C3-v0	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Methylene Chloride	C3-v0	2.00E+03	2.00E+03	2.00E+03	2.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Styrene	C3-v0	2.40E+03	2.40E+03	1.30E+03	3.50E+03	ppbv	1	64.82	582.37	0.00
Tank, Diluent	1	VOC	Tetrachloroethene	C3-v0	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Toluene	C3-v0	3.20E+04	3.20E+04	2.70E+04	3.70E+04	ppbv	1	22.10	198.53	1.00
Tank, Diluent	1	VOC	trans-1,2-Dichloroethene	C3-v0	2.00E+03	2.00E+03	2.00E+03	2.00E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	trans-1,3-Dichloropropene	C3-v0	1.50E+03	1.50E+03	1.50E+03	1.50E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Trichloroethene	C3-v0	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Trichlorofluoromethane	C3-v0	5.00E+02	5.00E+02	5.00E+02	5.00E+02	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Vinyl Acetate	C3-v0	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Vinyl Chloride	C3-v0	1.30E+03	1.30E+03	1.30E+03	1.30E+03	ppbv	1	0.00	0.00	0.00
Tank, Diluent	1	VOC	Xylene (Total)	C3-v0	5.00E+04	5.00E+04	3.80E+04	6.20E+04	ppbv	1	33.94	304.95	1.00

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Tank, Distillate oil	1	VOC	Benzene	A3-v-	7.10E+02	7.10E+02	7.10E+02	7.10E+02	ppbv	1	0.00	0.00	1.00
Tank, Distillate oil	1	VOC	Toluene	A3-v-	3.70E+02	3.70E+02	3.70E+02	3.70E+02	ppbv	1	0.00	0.00	1.00
Tank, Distillate oil	1	VOC	Xylene (Total)	A3-v-	2.26E+02	2.26E+02	2.26E+02	2.26E+02	ppbv	1	0.00	0.00	1.00
Tank, Produced water	1	Metals	Arsenic	D3-v-	2.00E-03	2.00E-03	2.00E-03	2.00E-03	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Beryllium	D3-v-	3.31E-02	3.31E-02	3.31E-02	3.31E-02	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Cadmium	D3-v-	3.00E-04	3.00E-04	3.00E-04	3.00E-04	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Chromium (Hex)	D3-v-	2.90E-03	2.90E-03	2.90E-03	2.90E-03	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Chromium (Total)	D3-v-	2.90E-03	2.90E-03	2.90E-03	2.90E-03	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Copper	D3-v-	1.20E-02	1.20E-02	1.20E-02	1.20E-02	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Lead	D3-v-	7.00E-04	7.00E-04	7.00E-04	7.00E-04	ppbv	1	0.00	0.00	1.00
Tank, Produced water	1	Metals	Manganese	D3-v-	1.36E-02	1.36E-02	1.36E-02	1.36E-02	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Mercury	D3-v-	1.00E-04	1.00E-04	1.00E-04	1.00E-04	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Nickel	D3-v-	2.54E-02	2.54E-02	2.54E-02	2.54E-02	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Phosphorus	D3-v-	3.01E-01	3.01E-01	3.01E-01	3.01E-01	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Selenium	D3-v-	1.90E-03	1.90E-03	1.90E-03	1.90E-03	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	Metals	Zinc	D3-v-	1.90E-03	1.90E-03	1.90E-03	1.90E-03	ppbv	1	0.00	0.00	0.00
Tank, Produced water	1	PAH	Naphthalene	C3-v-	3.67E-02	3.67E-02	3.67E-02	3.67E-02	ppbv	1	0.00	0.00	1.00
Tank, Produced water	1	VOC	Ammonia	B3-v0	6.21E+02	3.80E+02	2.94E+02	1.45E+03	ppbv	2	74.08	77.74	0.63
Tank, Produced water	1	VOC	Benzene	B1-v2	4.19E+05	1.10E+05	1.70E+04	1.20E+06	ppbv	5	130.64	120.83	1.00
Tank, Produced water	1	VOC	Hydrogen Sulfide	C1-v4	1.12E+05	4.70E+03	4.00E+01	4.38E+05	ppbv	6	168.84	113.43	1.00
Tank, Produced water	1	VOC	Propylene	C3-v0	8.33E+02	1.00E+03	5.00E+02	1.00E+03	ppbv	2	34.64	86.05	0.20
Tank, Produced water	1	VOC	Toluene	B1-v2	1.34E+05	2.70E+04	6.00E+03	3.50E+05	ppbv	5	114.30	105.71	1.00
Tank, Produced water	1	VOC	Xylene (m,p)	A3-v1	9.10E+04	9.10E+04	1.20E+04	1.70E+05	ppbv	2	122.77	1103.06	1.00
Tank, Produced water	1	VOC	Xylene (o)	A3-v1	2.15E+04	2.15E+04	5.00E+03	3.80E+04	ppbv	2	108.53	975.12	1.00
Tank, Produced water	1	VOC	Xylene (Total)	C2-v1	8.70E+03	2.70E+03	1.00E+03	2.18E+04	ppbv	3	114.23	141.84	0.95
Tank, Wastewater	1	VOC	Ammonia	B3-v1	2.13E+02	2.13E+02	3.21E+01	3.94E+02	ppbv	2	120.14	1079.44	0.92
Tank, Wastewater	1	VOC	Benzene	A2-v5	4.77E+05	4.85E+05	2.10E+01	1.10E+06	ppbv	4	81.75	85.80	1.00
Tank, Wastewater	1	VOC	Hydrogen Sulfide	C3-v1	6.57E+03	6.57E+03	5.00E+02	1.26E+04	ppbv	2	130.65	1173.84	0.96

TABLE 20. FUGITIVE EMISSION FACTORS.

Major Group	Sub Group	Category	Substance	ARB Rating	Mean	Median	Minimum	Maximum	EF Unit	Tests	RSD, %	Uncertainty, %	Det Ratio
Tank, Wastewater	1	VOC	Toluene	A2-v4	3.02E+05	2.30E+05	1.60E+01	6.90E+05	ppbv	4	93.97	98.62	1.00
Tank, Wastewater	1	VOC	Xylene (Total)	A2-v4	9.59E+04	8.59E+04	3.05E+01	2.09E+05	ppbv	4	93.08	97.68	1.00

Det Ratio: Ratio of sum of detected values to the sum of detected and non-detected values.

RSD: 100 times the standard deviation divided by the arithmetic average

Uncertainty: 100 times the 95% confidence interval divided by the arithmetic average.