

# **Appendix D**

## **Emissions Factor Uncertainty Ratios**

February 2007

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## **Appendix D.1**

### **Wood Residue Combustion**

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Table D.1-1. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Acetaldehyde

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0082	0.0576	0.1282	0.1991	0.2705	0.3458	0.4281	0.9888	2.1334	2.3388	2.8425	3.6207	4.8973	7.6328	17.1552	145.721
3	0.0055	0.0388	0.0864	0.1342	0.1823	0.2330	0.2885	0.6664	1.4377	1.5761	1.9156	2.4399	3.3002	5.1436	11.5607	98.2000
5	0.0049	0.0344	0.0766	0.1190	0.1617	0.2067	0.2559	0.5910	1.2751	1.3978	1.6989	2.1640	2.9270	4.5619	10.2532	87.0940
10	0.0044	0.0313	0.0696	0.1081	0.1469	0.1877	0.2324	0.5368	1.1581	1.2696	1.5430	1.9655	2.6585	4.1434	9.3126	79.1036
15	0.0042	0.0298	0.0664	0.1031	0.1401	0.1791	0.2217	0.5120	1.1046	1.2110	1.4718	1.8747	2.5357	3.9520	8.8825	75.4505
20	0.0042	0.0296	0.0660	0.1024	0.1392	0.1779	0.2202	0.5086	1.0973	1.2030	1.4621	1.8623	2.5189	3.9259	8.8238	74.9519
25	0.0041	0.0291	0.0648	0.1006	0.1367	0.1747	0.2162	0.4995	1.0776	1.1814	1.4358	1.8289	2.4737	3.8555	8.6655	73.6069
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0176	0.1241	0.2763	0.4290	0.5829	0.7451	0.9224	2.1306	4.5966	5.0392	6.1246	7.8012	10.5518	16.4457	36.9630	313.974
3	0.0075	0.0528	0.1176	0.1826	0.2481	0.3171	0.3925	0.9067	1.9562	2.1446	2.6065	3.3200	4.4906	6.9989	15.7305	133.619
5	0.0060	0.0421	0.0936	0.1454	0.1975	0.2525	0.3125	0.7219	1.5575	1.7075	2.0753	2.6434	3.5754	5.5725	12.5246	106.388
10	0.0049	0.0345	0.0769	0.1193	0.1621	0.2073	0.2566	0.5927	1.2786	1.4017	1.7037	2.1700	2.9352	4.5747	10.2819	87.3376
15	0.0046	0.0321	0.0714	0.1109	0.1507	0.1926	0.2384	0.5507	1.1881	1.3025	1.5830	2.0164	2.7274	4.2508	9.5540	81.1540
20	0.0044	0.0311	0.0693	0.1075	0.1461	0.1868	0.2312	0.5340	1.1521	1.2630	1.5350	1.9553	2.6447	4.1219	9.2643	78.6932
25	0.0043	0.0303	0.0674	0.1046	0.1421	0.1817	0.2249	0.5195	1.1207	1.2286	1.4932	1.9020	2.5726	4.0096	9.0119	76.5496
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0647	0.4561	1.0155	1.5767	2.1422	2.7383	3.3899	7.8300	16.8931	18.5196	22.5084	28.6700	38.7788	60.4395	135.842	1153.88
3	0.0205	0.1441	0.3208	0.4981	0.6768	0.8651	1.0709	2.4737	5.3369	5.8507	7.1108	9.0574	12.2510	19.0940	42.9153	364.534
5	0.0139	0.0979	0.2179	0.3384	0.4597	0.5877	0.7275	1.6804	3.6254	3.9744	4.8305	6.1528	8.3222	12.9708	29.1528	247.632
10	0.0095	0.0669	0.1489	0.2313	0.3142	0.4017	0.4972	1.1485	2.4778	2.7164	3.3015	4.2052	5.6880	8.8651	19.9250	169.248
15	0.0081	0.0569	0.1266	0.1966	0.2671	0.3414	0.4226	0.9761	2.1060	2.3088	2.8061	3.5742	4.8344	7.5348	16.9351	143.851
20	0.0073	0.0513	0.1141	0.1772	0.2408	0.3078	0.3810	0.8801	1.8987	2.0816	2.5299	3.2224	4.3586	6.7932	15.2683	129.693
25	0.0068	0.0481	0.1071	0.1663	0.2260	0.2888	0.3575	0.8259	1.7818	1.9534	2.3741	3.0240	4.0902	6.3749	14.3281	121.707

Table D.1-2. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Arsenic

Target Statistic																
Median																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	3.68E-11	1.26E-05	0.0009	0.0057	0.0202	0.0485	0.0921	1.0066	10.5874	6.3431	9.6118	15.1486	25.0197	51.1736	148.9411	1021.0232
3	9.46E-12	3.23E-06	0.0002	0.0015	0.0052	0.0125	0.0237	0.2587	2.7213	1.6304	2.4706	3.8937	6.4310	13.1535	38.2832	262.4399
5	6.57E-12	2.24E-06	0.0002	0.0010	0.0036	0.0087	0.0164	0.1796	1.8893	1.1319	1.7152	2.7032	4.4646	9.1316	26.5777	182.1956
10	5.06E-12	1.72E-06	0.0001	0.0008	0.0028	0.0067	0.0127	0.1383	1.4542	0.8713	1.3202	2.0808	3.4366	7.0290	20.4581	140.2445
15	4.48E-12	1.53E-06	0.0001	0.0007	0.0025	0.0059	0.0112	0.1224	1.2874	0.7713	1.1688	1.8421	3.0424	6.2228	18.1115	124.1582
20	4.29E-12	1.46E-06	0.0001	0.0007	0.0023	0.0057	0.0107	0.1172	1.2327	0.7385	1.1191	1.7637	2.9130	5.9580	17.3409	118.8758
25	4.11E-12	1.40E-06	0.0001	0.0006	0.0023	0.0054	0.0103	0.1124	1.1818	0.7081	1.0729	1.6910	2.7929	5.7123	16.6258	113.9732
Mean																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	7.91E-06	2.699164336	192.7148	1224.4288	4334.5354	10435.5333	19809.6291	216416.8688	2276270.8276	1363768.9047	2066523.4283	3256925.8522	5379207.3982	11002265.4024	32022165.0007	219518853.0301
3	9.33E-11	3.18E-05	0.0023	0.0144	0.0511	0.1231	0.2336	2.5526	26.8480	16.0853	24.3741	38.4146	63.4464	129.7689	377.6931	2589.1678
5	2.10E-11	7.16E-06	0.0005	0.0032	0.0115	0.0277	0.0526	0.5741	6.0386	3.6179	5.4821	8.6401	14.2702	29.1872	84.9495	582.3474
10	8.72E-12	2.98E-06	0.0002	0.0013	0.0048	0.0115	0.0218	0.2385	2.5090	1.5032	2.2778	3.5899	5.9292	12.1272	35.2963	241.9635
15	6.34E-12	2.16E-06	0.0002	0.0010	0.0035	0.0084	0.0159	0.1734	1.8235	1.0925	1.6554	2.6091	4.3092	8.8137	25.6523	175.8519
20	5.66E-12	1.93E-06	0.0001	0.0009	0.0031	0.0075	0.0142	0.1546	1.6265	0.9745	1.4766	2.3272	3.8437	7.8617	22.8815	156.8573
25	5.02E-12	1.71E-06	0.0001	0.0008	0.0028	0.0066	0.0126	0.1373	1.4444	0.8654	1.3113	2.0667	3.4134	6.9816	20.3199	139.2973
95 Percentile																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	4.11E-08	0.014031683	1.0018	6.3652	22.5332	54.2494	102.9809	1125.0493	11833.2587	7089.5915	10742.8809	16931.2218	27963.9628	57195.5899	166468.1364	1141175.0067
3	2.23E-10	7.59E-05	0.0054	0.0345	0.1220	0.2936	0.5574	6.0894	64.0480	38.3727	58.1463	91.6410	151.3562	309.5736	901.0161	6176.6598
5	7.39E-11	2.52E-05	0.0018	0.0114	0.0405	0.0975	0.1851	2.0217	21.2643	12.7400	19.3049	30.4253	50.2511	102.7802	299.1424	2050.6858
10	2.66E-11	9.06E-06	0.0006	0.0041	0.0145	0.0350	0.0665	0.7262	7.6379	4.5761	6.9341	10.9285	18.0497	36.9176	107.4490	736.5858
15	1.75E-11	5.97E-06	0.0004	0.0027	0.0096	0.0231	0.0438	0.4786	5.0334	3.0156	4.5696	7.2019	11.8947	24.3287	70.8088	485.4094
20	1.40E-11	4.76E-06	0.0003	0.0022	0.0076	0.0184	0.0349	0.3818	4.0155	2.4058	3.6455	5.7454	9.4892	19.4085	56.4887	387.2422
25	1.15E-11	3.91E-06	0.0003	0.0018	0.0063	0.0151	0.0287	0.3134	3.2965	1.9750	2.9928	4.7167	7.7902	15.9336	46.3750	317.9103

Table D.1-3. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Benzene

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.00030	0.0060	0.0284	0.0633	0.1083	0.1616	0.2298	1.0015	7.7757	3.8605	5.3480	8.1120	13.4482	28.7584	128.0990	1216.3133
3	0.00012	0.0025	0.0118	0.0263	0.0450	0.0671	0.0954	0.4160	3.2294	1.6033	2.2212	3.3691	5.5853	11.9440	53.2023	505.1618
5	0.00009	0.0019	0.0088	0.0196	0.0335	0.0500	0.0711	0.3097	2.4041	1.1936	1.6535	2.5081	4.1580	8.8916	39.6061	376.0645
10	0.00007	0.0014	0.0066	0.0147	0.0251	0.0374	0.0532	0.2318	1.7997	0.8935	1.2378	1.8775	3.1125	6.6560	29.6480	281.5106
15	0.00006	0.0012	0.0058	0.0128	0.0219	0.0327	0.0466	0.2029	1.5753	0.7821	1.0834	1.6434	2.7245	5.8261	25.9514	246.4111
20	0.00006	0.0011	0.0054	0.0120	0.0205	0.0306	0.0435	0.1895	1.4711	0.7304	1.0118	1.5347	2.5443	5.4409	24.2354	230.1179
25	0.00005	0.0011	0.0050	0.0112	0.0192	0.0287	0.0408	0.1777	1.3799	0.6851	0.9491	1.4396	2.3865	5.1035	22.7327	215.8491
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.00315	0.0635	0.2994	0.6674	1.1415	1.7023	2.4212	10.5522	81.9249	40.6742	56.3470	85.4682	141.6909	302.9994	1349.6549	12815.1171
3	0.00030	0.0061	0.0286	0.0638	0.1091	0.1626	0.2313	1.0082	7.8275	3.8862	5.3836	8.1660	13.5378	28.9499	128.9521	1224.4139
5	0.00017	0.0034	0.0162	0.0362	0.0619	0.0924	0.1314	0.5726	4.4457	2.2072	3.0577	4.6379	7.6889	16.4423	73.2392	695.4143
10	0.00010	0.0020	0.0093	0.0208	0.0356	0.0531	0.0756	0.3293	2.5566	1.2693	1.7584	2.6672	4.4217	9.4557	42.1185	399.9197
15	0.00008	0.0016	0.0077	0.0171	0.0292	0.0435	0.0619	0.2699	2.0951	1.0402	1.4410	2.1857	3.6235	7.7487	34.5154	327.7271
20	0.00007	0.0014	0.0067	0.0149	0.0255	0.0381	0.0542	0.2361	1.8330	0.9100	1.2607	1.9122	3.1701	6.7792	30.1966	286.7202
25	0.00006	0.0013	0.0061	0.0136	0.0233	0.0348	0.0495	0.2156	1.6741	0.8311	1.1514	1.7465	2.8953	6.1915	27.5789	261.8643
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0102	0.2054	0.9689	2.1598	3.6941	5.5089	7.8352	34.1482	265.1190	131.6265	182.3459	276.5855	458.5289	980.5428	4367.6466	41471.2705
3	0.0011	0.0225	0.1061	0.2365	0.4046	0.6033	0.8581	3.7400	29.0365	14.4160	19.9709	30.2923	50.2192	107.3914	478.3549	4542.0311
5	0.0006	0.0113	0.0535	0.1193	0.2040	0.3042	0.4327	1.8858	14.6413	7.2691	10.0701	15.2745	25.3224	54.1507	241.2045	2290.2622
10	0.0003	0.0057	0.0267	0.0595	0.1018	0.1518	0.2159	0.9411	7.3065	3.6275	5.0253	7.6225	12.6367	27.0230	120.3690	1142.9161
15	0.0002	0.0043	0.0201	0.0449	0.0768	0.1145	0.1628	0.7097	5.5101	2.7356	3.7898	5.7484	9.5298	20.3790	90.7744	861.9127
20	0.0002	0.0035	0.0165	0.0369	0.0631	0.0940	0.1338	0.5830	4.5259	2.2470	3.1129	4.7217	7.8277	16.7392	74.5615	707.9696
25	0.0002	0.0031	0.0146	0.0324	0.0555	0.0827	0.1177	0.5129	3.9818	1.9769	2.7386	4.1540	6.8866	14.7266	65.5970	622.8507

Table D.1-4. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Cadmium

		Target Statistic															
Median	n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
	1	1.19E-07	0.0010	0.0128	0.0428	0.0875	0.1492	0.2274	0.9830	2.6881	3.0502	3.9629	5.1130	7.0832	10.8735	23.2774	127.8835
	3	6.40E-08	0.0005	0.0069	0.0232	0.0474	0.0809	0.1233	0.5328	1.4570	1.6533	2.1480	2.7714	3.8392	5.8936	12.6167	69.3150
	5	5.56E-08	0.0004	0.0060	0.0202	0.0412	0.0702	0.1070	0.4627	1.2653	1.4357	1.8653	2.4067	3.3340	5.1181	10.9564	60.1935
	10	5.06E-08	0.0004	0.0055	0.0184	0.0375	0.0640	0.0975	0.4216	1.1530	1.3083	1.6997	2.1930	3.0380	4.6637	9.9839	54.8502
	15	4.77E-08	0.0004	0.0052	0.0173	0.0354	0.0604	0.0920	0.3975	1.0870	1.2334	1.6025	2.0675	2.8642	4.3968	9.4125	51.7111
	20	4.66E-08	0.0004	0.0051	0.0169	0.0345	0.0589	0.0898	0.3882	1.0616	1.2046	1.5650	2.0192	2.7972	4.2940	9.1924	50.5020
	25	4.67E-08	0.0004	0.0051	0.0169	0.0346	0.0590	0.0899	0.3887	1.0630	1.2062	1.5671	2.0219	2.8009	4.2997	9.2046	50.5692
Mean	n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
	1	6.29E-05	0.5076	6.8367	22.8447	46.6422	79.5772	121.2569	524.1054	1433.2794	1626.3360	2112.9828	2726.1972	3776.6524	5797.5985	12411.1526	68185.5060
	3	1.38E-07	0.0011	0.0149	0.0499	0.1019	0.1739	0.2649	1.1451	3.1315	3.5533	4.6166	5.9664	8.2515	12.6670	27.1167	148.9760
	5	8.38E-08	0.0007	0.0091	0.0304	0.0621	0.1060	0.1615	0.6981	1.9092	2.1663	2.8146	3.6314	5.0306	7.7226	16.5321	90.8253
	10	6.04E-08	0.0005	0.0066	0.0219	0.0448	0.0763	0.1163	0.5029	1.3752	1.5604	2.0273	2.6156	3.6235	5.5625	11.9078	65.4202
	15	5.40E-08	0.0004	0.0059	0.0196	0.0400	0.0683	0.1041	0.4498	1.2300	1.3957	1.8134	2.3396	3.2411	4.9755	10.6513	58.5171
	20	5.12E-08	0.0004	0.0056	0.0186	0.0379	0.0647	0.0986	0.4260	1.1651	1.3220	1.7176	2.2160	3.0699	4.7127	10.0886	55.4256
	25	5.00E-08	0.0004	0.0054	0.0182	0.0371	0.0632	0.0964	0.4165	1.1389	1.2924	1.6791	2.1664	3.0011	4.6070	9.8624	54.1631
95 Percentile	n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
	1	9.63E-06	0.0777	1.0466	3.4971	7.1401	12.1819	18.5623	80.2314	219.4101	248.9637	323.4609	417.3333	578.1397	887.5115	1899.9313	10438.0136
	3	4.60E-07	0.0037	0.0500	0.1670	0.3410	0.5818	0.8866	3.8320	10.4794	11.8910	15.4491	19.9326	27.6130	42.3892	90.7443	498.5392
	5	2.33E-07	0.0019	0.0253	0.0847	0.1729	0.2949	0.4494	1.9424	5.3120	6.0275	7.8311	10.1038	13.9970	21.4870	45.9980	252.7081
	10	1.32E-07	0.0011	0.0143	0.0479	0.0979	0.1670	0.2545	1.1000	3.0081	3.4133	4.4346	5.7216	7.9263	12.1678	26.0480	143.1049
	15	1.05E-07	0.0008	0.0114	0.0362	0.0779	0.1330	0.2026	0.8757	2.3948	2.7174	3.5305	4.5551	6.3102	9.6870	20.7373	113.9282
	20	9.18E-08	0.0007	0.0100	0.0333	0.0680	0.1160	0.1768	0.7643	2.0901	2.3716	3.0813	3.9755	5.5074	8.4545	18.0986	99.4328
	25	8.40E-08	0.0007	0.0091	0.0305	0.0623	0.1062	0.1619	0.6997	1.9134	2.1711	2.8207	3.6394	5.0417	7.7396	16.5684	91.0250



Table D.1-5. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Carbon Monoxide, Uncontrolled

		Target Statistic														
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0020	0.0648	0.1855	0.2979	0.3915	0.4806	0.5754	1.0167	1.1640	1.6150	1.7677	1.9581	2.2158	2.6645	3.4704	5.1752
3	0.0018	0.0576	0.1651	0.2652	0.3485	0.4278	0.5122	0.9050	1.0362	1.4376	1.5736	1.7431	1.9725	2.3719	3.0893	4.6068
5	0.0018	0.0566	0.1622	0.2605	0.3423	0.4202	0.5031	0.8889	1.0177	1.4120	1.5455	1.7120	1.9373	2.3296	3.0342	4.5247
10	0.0018	0.0561	0.1608	0.2582	0.3394	0.4166	0.4988	0.8813	1.0090	1.3999	1.5323	1.6974	1.9207	2.3097	3.0083	4.4860
15	0.0018	0.0560	0.1605	0.2577	0.3387	0.4157	0.4977	0.8794	1.0068	1.3969	1.5289	1.6937	1.9165	2.3046	3.0017	4.4762
20	0.0018	0.0561	0.1608	0.2581	0.3393	0.4164	0.4986	0.8810	1.0086	1.3994	1.5317	1.6967	1.9200	2.3088	3.0072	4.4843
25	0.0017	0.0558	0.1599	0.2567	0.3374	0.4141	0.4958	0.8762	1.0031	1.3918	1.5233	1.6874	1.9095	2.2962	2.9907	4.4598
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0041	0.1304	0.3735	0.5998	0.7884	0.9676	1.1585	2.0470	2.3436	3.2517	3.5591	3.9425	4.4613	5.3648	6.9875	10.4198
3	0.0021	0.0660	0.1891	0.3036	0.3990	0.4898	0.5864	1.0362	1.1863	1.6459	1.8015	1.9956	2.2582	2.7155	3.5368	5.2742
5	0.0019	0.0612	0.1752	0.2813	0.3697	0.4538	0.5433	0.9601	1.0992	1.5251	1.6692	1.8491	2.0924	2.5161	3.2772	4.8870
10	0.0018	0.0582	0.1668	0.2678	0.3520	0.4320	0.5173	0.9140	1.0464	1.4519	1.5891	1.7603	1.9920	2.3954	3.1199	4.6525
15	0.0018	0.0573	0.1640	0.2634	0.3462	0.4249	0.5087	0.8989	1.0291	1.4279	1.5629	1.7312	1.9591	2.3558	3.0683	4.5755
20	0.0018	0.0572	0.1637	0.2629	0.3456	0.4241	0.5078	0.8973	1.0273	1.4254	1.5601	1.7282	1.9556	2.3517	3.0630	4.5676
25	0.0018	0.0564	0.1617	0.2597	0.3413	0.4189	0.5015	0.8862	1.0145	1.4076	1.5407	1.7067	1.9313	2.3224	3.0248	4.5107
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0110	0.3502	1.0033	1.6112	2.1176	2.5990	3.1118	5.4985	6.2951	8.7341	9.5599	10.5898	11.9833	14.4100	18.7686	27.9881
3	0.0039	0.1261	0.3613	0.5802	0.7626	0.9360	1.1207	1.9802	2.2671	3.1455	3.4429	3.8138	4.3157	5.1897	6.7594	10.0797
5	0.0032	0.1014	0.2904	0.4663	0.6129	0.7522	0.9006	1.5914	1.8220	2.5279	2.7669	3.0650	3.4683	4.1706	5.4321	8.1005
10	0.0026	0.0829	0.2375	0.3814	0.5013	0.6153	0.7367	1.3017	1.4903	2.0677	2.2632	2.5070	2.8369	3.4114	4.4432	6.6258
15	0.0024	0.0759	0.2174	0.3490	0.4587	0.5630	0.6741	1.1912	1.3638	1.8922	2.0711	2.2942	2.5961	3.1218	4.0660	6.0634
20	0.0023	0.0731	0.2093	0.3361	0.4417	0.5422	0.6491	1.1470	1.3132	1.8220	1.9943	2.2091	2.4998	3.0060	3.9153	5.8386
25	0.0022	0.0700	0.2006	0.3220	0.4233	0.5195	0.6220	1.0991	1.2583	1.7458	1.9109	2.1167	2.3953	2.8803	3.7516	5.5944

Table D.1-6. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Chromium

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	2.44E-09	0.0004	0.0082	0.0317	0.0691	0.1254	0.2031	1.0428	3.9475	3.9563	5.3552	7.3308	10.4853	17.2839	38.7183	375.9140
3	9.86E-10	0.0002	0.0033	0.0128	0.0279	0.0507	0.0821	0.4217	1.5963	1.5999	2.1656	2.9645	4.2402	6.9894	15.6573	152.0157
5	8.45E-10	0.0001	0.0028	0.0110	0.0239	0.0435	0.0704	0.3615	1.3683	1.3713	1.8562	2.5409	3.6343	5.9907	13.4201	130.2953
10	7.25E-10	0.0001	0.0024	0.0094	0.0205	0.0373	0.0604	0.3099	1.1733	1.1758	1.5916	2.1788	3.1164	5.1370	11.5075	111.7260
15	6.92E-10	0.0001	0.0023	0.0090	0.0196	0.0356	0.0577	0.2961	1.1209	1.1233	1.5206	2.0815	2.9772	4.9076	10.9937	106.7377
20	6.86E-10	0.0001	0.0023	0.0089	0.0194	0.0353	0.0572	0.2935	1.1111	1.1136	1.5073	2.0634	2.9513	4.8649	10.8980	105.8077
25	6.70E-10	0.0001	0.0023	0.0087	0.0190	0.0345	0.0558	0.2866	1.0848	1.0872	1.4717	2.0146	2.8815	4.7499	10.6404	103.3069
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0001	17.0397	340.1094	1315.7355	2870.2739	5208.7991	8437.4072	43320.2992	163983.4172	164345.6968	222460.0366	304525.7812	435567.2019	717983.4188	1608385.0331	15615724.5247
3	3.04E-09	0.0005	0.0102	0.0395	0.0861	0.1562	0.2530	1.2989	4.9170	4.9279	6.6704	9.1311	13.0604	21.5285	48.2270	468.2331
5	1.51E-09	0.0003	0.0051	0.0196	0.0427	0.0776	0.1257	0.6452	2.4421	2.4475	3.3130	4.5352	6.4867	10.6927	23.9531	232.5593
10	9.35E-10	0.0002	0.0031	0.0121	0.0265	0.0481	0.0779	0.4000	1.5143	1.5176	2.0543	2.8121	4.0222	6.6301	14.8523	144.2006
15	8.14E-10	0.0001	0.0027	0.0106	0.0231	0.0418	0.0678	0.3480	1.3174	1.3203	1.7871	2.4464	3.4991	5.7679	12.9210	125.4493
20	7.73E-10	0.0001	0.0026	0.0100	0.0219	0.0398	0.0644	0.3307	1.2518	1.2545	1.6981	2.3246	3.3249	5.4807	12.2776	119.2022
25	7.37E-10	0.0001	0.0025	0.0096	0.0209	0.0379	0.0614	0.3151	1.1927	1.1954	1.6181	2.2150	3.1681	5.2223	11.6987	113.5824
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	3.19E-07	0.0536	1.0708	4.1424	9.0366	16.3990	26.5637	136.3865	516.2735	517.4141	700.3770	958.7469	1371.3082	2260.4469	5063.7228	49163.4146
3	9.86E-09	0.0017	0.0331	0.1280	0.2793	0.5069	0.8211	4.2157	15.9579	15.9932	21.6485	29.6347	42.3869	69.8700	156.5187	1519.6321
5	4.57E-09	0.0008	0.0153	0.0594	0.1295	0.2350	0.3806	1.9541	7.3971	7.4134	10.0349	13.7367	19.6478	32.3872	72.5520	704.4035
10	2.25E-09	0.0004	0.0076	0.0292	0.0637	0.1157	0.1874	0.9621	3.6419	3.6499	4.9406	6.7632	9.6735	15.9456	35.7204	346.8078
15	1.72E-09	0.0003	0.0058	0.0224	0.0488	0.0885	0.1434	0.7361	2.7862	2.7924	3.7798	5.1742	7.4007	12.1993	27.3281	265.3271
20	1.52E-09	0.0003	0.0051	0.0197	0.0430	0.0781	0.1264	0.6492	2.4575	2.4629	3.3338	4.5637	6.5275	10.7598	24.1036	234.0203
25	1.33E-09	0.0002	0.0045	0.0172	0.0376	0.0683	0.1106	0.5676	2.1487	2.1534	2.9149	3.9902	5.7072	9.4077	21.0746	204.6121

Table D.1-7. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Formaldehyde

Target Statistics																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0010	0.0141	0.0468	0.0923	0.1440	0.2102	0.2874	0.9697	5.7927	3.4813	4.7639	6.9925	11.1801	21.5015	78.4189	1724.1519
3	0.0005	0.0066	0.0219	0.0432	0.0674	0.0983	0.1345	0.4537	2.7101	1.6287	2.2288	3.2715	5.2307	10.0595	36.6885	806.6495
5	0.0004	0.0052	0.0171	0.0337	0.0526	0.0768	0.1050	0.3541	2.1154	1.2713	1.7397	2.5535	4.0827	7.8519	28.6369	629.6239
10	0.0003	0.0040	0.0132	0.0260	0.0405	0.0592	0.0809	0.2730	1.6311	0.9803	1.3414	1.9689	3.1481	6.0543	22.0809	485.4802
15	0.0003	0.0036	0.0120	0.0238	0.0371	0.0541	0.0740	0.2497	1.4915	0.8964	1.2266	1.8004	2.8786	5.5362	20.1912	443.9329
20	0.0002	0.0034	0.0114	0.0225	0.0351	0.0513	0.0702	0.2367	1.4139	0.8497	1.1628	1.7067	2.7289	5.2481	19.1407	420.8347
25	0.0002	0.0033	0.0110	0.0217	0.0339	0.0495	0.0677	0.2284	1.3645	0.8200	1.1221	1.6471	2.6335	5.0647	18.4716	406.1250
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0052	0.0745	0.2465	0.4868	0.7593	1.1083	1.5158	5.1133	30.5463	18.3579	25.1210	36.8731	58.9557	113.3829	413.5232	9091.8965
3	0.0009	0.0134	0.0442	0.0873	0.1362	0.1989	0.2720	0.9175	5.4808	3.2939	4.5074	6.6161	10.5783	20.3440	74.1974	1631.3357
5	0.0006	0.0084	0.0279	0.0551	0.0859	0.1254	0.1715	0.5785	3.4559	2.0770	2.8421	4.1717	6.6701	12.8278	46.7847	1028.6278
10	0.0004	0.0053	0.0174	0.0344	0.0537	0.0783	0.1071	0.3614	2.1591	1.2976	1.7756	2.6063	4.1671	8.0141	29.2287	642.6343
15	0.0003	0.0045	0.0148	0.0292	0.0455	0.0664	0.0908	0.3064	1.8303	1.1000	1.5052	2.2094	3.5326	6.7939	24.7782	544.7840
20	0.0003	0.0040	0.0134	0.0264	0.0412	0.0602	0.0823	0.2776	1.6582	0.9966	1.3637	2.0017	3.2004	6.1551	22.4483	493.5585
25	0.0003	0.0038	0.0125	0.0246	0.0384	0.0561	0.0767	0.2589	1.5465	0.9294	1.2718	1.8668	2.9848	5.7404	20.9360	460.3089
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0201	0.2899	0.9593	1.8941	2.9545	4.3124	5.8978	19.8958	118.8548	71.4301	97.7452	143.4723	229.3949	441.1696	1609.0062	35376.2962
3	0.0033	0.0471	0.1557	0.3074	0.4796	0.7000	0.9573	3.2295	19.2927	11.5947	15.8662	23.2887	37.2358	71.6114	261.1768	5742.3447
5	0.0019	0.0268	0.0886	0.1749	0.2728	0.3982	0.5447	1.8374	10.9761	6.5965	9.0266	13.2495	21.1843	40.7414	148.5896	3266.9553
10	0.0010	0.0140	0.0463	0.0914	0.1426	0.2081	0.2846	0.9601	5.7354	3.4469	4.7168	6.9233	11.0696	21.2889	77.6435	1707.1033
15	0.0007	0.0108	0.0358	0.0706	0.1101	0.1608	0.2199	0.7417	4.4308	2.6628	3.6439	5.3485	8.5516	16.4464	59.9823	1318.7953
20	0.0006	0.0092	0.0304	0.0601	0.0937	0.1368	0.1871	0.6313	3.7713	2.2665	3.1015	4.5524	7.2787	13.9983	51.0537	1122.4879
25	0.0006	0.0080	0.0263	0.0520	0.0811	0.1184	0.1619	0.5463	3.2634	1.9613	2.6838	3.9394	6.2986	12.1133	44.1789	971.3371

Table D.1-8. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Lead

Target Statistic																
Median																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	1.03E-08	0.0001	0.0041	0.0196	0.0485	0.0931	0.1576	1.0083	4.4124	4.0811	5.6035	7.7143	11.7249	20.2755	46.6603	234.3140
3	4.19E-09	0.0001	0.0017	0.0080	0.0197	0.0378	0.0639	0.4090	1.7900	1.6556	2.2732	3.1295	4.7565	8.2253	18.9290	95.0556
5	3.36E-09	0.0000	0.0013	0.0064	0.0157	0.0302	0.0511	0.3272	1.4320	1.3245	1.8186	2.5037	3.8053	6.5804	15.1436	76.0465
10	2.85E-09	0.0000	0.0011	0.0054	0.0134	0.0257	0.0435	0.2783	1.2177	1.1263	1.5464	2.1290	3.2358	5.5956	12.8773	64.6660
15	2.69E-09	0.0000	0.0011	0.0051	0.0126	0.0243	0.0411	0.2628	1.1500	1.0637	1.4605	2.0107	3.0560	5.2846	12.1615	61.0714
20	2.62E-09	0.0000	0.0010	0.0050	0.0123	0.0236	0.0400	0.2560	1.1201	1.0359	1.4224	1.9582	2.9763	5.1468	11.8444	59.4789
25	2.55E-09	0.0000	0.0010	0.0048	0.0120	0.0230	0.0389	0.2489	1.0890	1.0073	1.3830	1.9040	2.8938	5.0043	11.5163	57.8316
Mean																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0001	1.9513	57.4072	273.2788	674.5664	1294.4168	2191.5664	14025.5684	61375.9588	56767.0518	77943.8734	107305.3628	163091.6612	282030.9833	649040.5245	3259286.1816
3	1.53E-08	0.0002	0.0061	0.0292	0.0720	0.1381	0.2338	1.4964	6.5482	6.0565	8.3158	11.4484	17.4002	30.0899	69.2461	347.7330
5	6.54E-09	0.0001	0.0026	0.0124	0.0307	0.0589	0.0997	0.6383	2.7930	2.5833	3.5470	4.8832	7.4218	12.8344	29.5360	148.3210
10	3.85E-09	0.0001	0.0015	0.0073	0.0181	0.0347	0.0587	0.3757	1.6442	1.5207	2.0880	2.8746	4.3690	7.5553	17.3870	87.3124
15	3.24E-09	0.0000	0.0013	0.0062	0.0152	0.0292	0.0494	0.3164	1.3847	1.2807	1.7585	2.4209	3.6795	6.3628	14.6428	73.5320
20	3.01E-09	0.0000	0.0012	0.0057	0.0141	0.0271	0.0459	0.2937	1.2851	1.1886	1.6320	2.2467	3.4148	5.9051	13.5895	68.2424
25	2.87E-09	0.0000	0.0011	0.0055	0.0135	0.0259	0.0438	0.2802	1.2263	1.1342	1.5573	2.1440	3.2586	5.6351	12.9680	65.1215
95 Percentile																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	2.49E-06	0.0338	0.9953	4.7378	11.6948	22.4410	37.9947	243.1584	1064.0623	984.1586	1351.2968	1860.3309	2827.4864	4889.5128	11252.2813	56505.5705
3	4.93E-08	0.0007	0.0197	0.0936	0.2311	0.4434	0.7507	4.8046	21.0248	19.4460	26.7003	36.7583	55.8684	96.6120	222.3342	1116.4952
5	2.13E-08	0.0003	0.0085	0.0404	0.0998	0.1915	0.3242	2.0750	9.0801	8.3982	11.5312	15.8750	24.1281	41.7243	96.0205	482.1861
10	9.63E-09	0.0001	0.0038	0.0183	0.0452	0.0867	0.1468	0.9392	4.1098	3.8012	5.2193	7.1854	10.9209	18.8853	43.4610	218.2479
15	7.12E-09	0.0001	0.0028	0.0135	0.0334	0.0641	0.1085	0.6946	3.0394	2.8112	3.8599	5.3139	8.0764	13.9664	32.1411	161.4028
20	6.22E-09	0.0001	0.0025	0.0118	0.0292	0.0559	0.0947	0.6062	2.6526	2.4534	3.3686	4.6376	7.0486	12.1891	28.0508	140.8626
25	5.52E-09	0.0001	0.0022	0.0105	0.0259	0.0496	0.0841	0.5379	2.3539	2.1772	2.9894	4.1154	6.2550	10.8166	24.8924	125.0022

Table D.1-9. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Mercury  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	1.97E-07	0.0002	0.0062	0.0250	0.0602	0.1123	0.1861	1.0557	4.4362	4.2737	5.7164	8.1012	11.8286	19.8550	49.6107	233.5258
3	7.54E-08	0.0001	0.0024	0.0096	0.0231	0.0431	0.0714	0.4049	1.7013	1.6390	2.1923	3.1069	4.5364	7.6145	19.0260	89.5585
5	6.39E-08	0.0001	0.0020	0.0081	0.0196	0.0365	0.0605	0.3432	1.4421	1.3892	1.8582	2.6334	3.8451	6.4541	16.1266	75.9107
10	5.34E-08	0.0001	0.0017	0.0068	0.0163	0.0305	0.0505	0.2867	1.2048	1.1607	1.5525	2.2001	3.2124	5.3922	13.4734	63.4214
15	5.05E-08	0.0001	0.0016	0.0064	0.0155	0.0288	0.0478	0.2710	1.1387	1.0969	1.4672	2.0794	3.0361	5.0963	12.7338	59.9401
20	4.84E-08	0.0001	0.0015	0.0061	0.0148	0.0276	0.0458	0.2598	1.0919	1.0518	1.4069	1.9939	2.9113	4.8867	12.2102	57.4757
25	4.80E-08	0.0001	0.0015	0.0061	0.0147	0.0274	0.0454	0.2576	1.0824	1.0427	1.3947	1.9766	2.8861	4.8444	12.1045	56.9781

<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0004	0.3750	11.1653	45.1978	108.9898	203.3179	336.9751	1911.4470	8032.4260	7738.1204	10350.3121	14668.3713	21417.4324	35950.2293	89827.2021	422831.6817
3	2.68E-07	0.0003	0.0084	0.0341	0.0822	0.1533	0.2540	1.4408	6.0548	5.8329	7.8020	11.0569	16.1443	27.0991	67.7112	318.7278
5	1.18E-07	0.0001	0.0037	0.0150	0.0362	0.0674	0.1118	0.6340	2.6642	2.5666	3.4330	4.8653	7.1038	11.9241	29.7943	140.2466
10	7.12E-08	0.0001	0.0022	0.0090	0.0218	0.0406	0.0673	0.3820	1.6052	1.5464	2.0684	2.9313	4.2800	7.1842	17.9510	84.4981
15	6.10E-08	0.0001	0.0019	0.0077	0.0187	0.0348	0.0577	0.3272	1.3748	1.3244	1.7715	2.5106	3.6658	6.1531	15.3746	72.3708
20	5.59E-08	0.0001	0.0018	0.0071	0.0171	0.0319	0.0529	0.3000	1.2608	1.2146	1.6246	2.3024	3.3618	5.6430	14.0998	66.3701
25	5.34E-08	0.0001	0.0017	0.0068	0.0164	0.0305	0.0506	0.2868	1.2053	1.1611	1.5531	2.2010	3.2137	5.3943	13.4786	63.4458

<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	3.60E-05	0.0379	1.1298	4.5733	11.0280	20.5726	34.0965	193.4082	812.7544	782.9753	1047.2878	1484.2070	2167.1052	3637.5943	9089.0913	42783.8749
3	8.57E-07	0.0009	0.0269	0.1088	0.2622	0.4892	0.8108	4.5991	19.3268	18.6187	24.9039	35.2935	51.5324	86.4998	216.1331	1017.3746
5	3.74E-07	0.0004	0.0117	0.0475	0.1146	0.2137	0.3543	2.0095	8.4445	8.1351	10.8813	15.4208	22.5161	37.7944	94.4352	444.5223
10	1.84E-07	0.0002	0.0058	0.0233	0.0562	0.1049	0.1739	0.9863	4.1448	3.9929	5.3408	7.5690	11.0515	18.5506	46.3515	218.1841
15	1.33E-07	0.0001	0.0042	0.0169	0.0407	0.0759	0.1258	0.7134	2.9979	2.8881	3.8630	5.4746	7.9935	13.4175	33.5258	157.8113
20	1.12E-07	0.0001	0.0035	0.0143	0.0344	0.0642	0.1063	0.6031	2.5345	2.4417	3.2659	4.6284	6.7580	11.3437	28.3440	133.4198
25	1.01E-07	0.0001	0.0032	0.0128	0.0309	0.0576	0.0955	0.5416	2.2762	2.1928	2.9330	4.1566	6.0691	10.1873	25.4544	119.8182

Table D.1-10. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Nickel

Target Statistic																
Median																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	4.08E-11	0.0001	0.0038	0.0168	0.0442	0.0847	0.1447	1.0106	5.3963	4.5683	6.2778	9.0708	13.8028	25.1370	65.1583	298.8440
3	1.44E-11	0.0000	0.0013	0.0059	0.0156	0.0299	0.0510	0.3564	1.9032	1.6112	2.2141	3.1992	4.8682	8.8656	22.9809	105.4003
5	1.23E-11	0.0000	0.0011	0.0051	0.0133	0.0254	0.0434	0.3032	1.6187	1.3704	1.8832	2.7210	4.1405	7.5404	19.5457	89.6449
10	9.58E-12	0.0000	0.0009	0.0039	0.0104	0.0199	0.0339	0.2370	1.2653	1.0712	1.4720	2.1269	3.2365	5.8941	15.2782	70.0725
15	8.89E-12	0.0000	0.0008	0.0037	0.0096	0.0185	0.0315	0.2201	1.1751	0.9948	1.3670	1.9753	3.0057	5.4738	14.1889	65.0762
20	8.56E-12	0.0000	0.0008	0.0035	0.0093	0.0178	0.0303	0.2119	1.1314	0.9578	1.3162	1.9017	2.8938	5.2701	13.6607	62.6540
25	8.41E-12	0.0000	0.0008	0.0035	0.0091	0.0174	0.0298	0.2080	1.1107	0.9403	1.2922	1.8670	2.8410	5.1739	13.4116	61.5111
Mean																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	5.02E-06	12.5798	461.3128	2067.8185	5433.2877	10404.6370	17765.4055	124100.3734	662653.1356	560976.1421	770898.6281	1113873.8357	1694954.7287	3086768.0009	8001303.9929	36697413.0826
3	8.42E-11	0.0002	0.0077	0.0347	0.0913	0.1748	0.2984	2.0844	11.1298	9.4220	12.9478	18.7084	28.4681	51.8447	134.3881	616.3615
5	2.44E-11	0.0001	0.0022	0.0101	0.0265	0.0507	0.0866	0.6049	3.2301	2.7345	3.7578	5.4296	8.2621	15.0465	39.0024	178.8819
10	1.33E-11	0.0000	0.0012	0.0055	0.0144	0.0276	0.0472	0.3295	1.7592	1.4893	2.0466	2.9571	4.4998	8.1948	21.2419	97.4244
15	1.12E-11	0.0000	0.0010	0.0046	0.0121	0.0232	0.0396	0.2768	1.4781	1.2513	1.7195	2.4845	3.7807	6.8852	17.8472	81.8550
20	1.01E-11	0.0000	0.0009	0.0042	0.0110	0.0210	0.0359	0.2508	1.3391	1.1337	1.5579	2.2510	3.4253	6.2380	16.1698	74.1614
25	9.61E-12	0.0000	0.0009	0.0040	0.0104	0.0199	0.0341	0.2379	1.2703	1.0754	1.4778	2.1352	3.2491	5.9172	15.3381	70.3469
95 Percentile																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	9.33E-09	0.0234	0.8576	3.8444	10.1013	19.3437	33.0284	230.7204	1231.9675	1042.9353	1433.2114	2070.8517	3151.1646	5738.7457	14875.5749	68225.7688
3	2.12E-10	0.0005	0.0195	0.0872	0.2292	0.4389	0.7494	5.2348	27.9519	23.6630	32.5179	46.9852	71.4963	130.2055	337.5096	1547.9637
5	8.29E-11	0.0002	0.0076	0.0342	0.0898	0.1719	0.2936	2.0508	10.9506	9.2704	12.7394	18.4072	28.0098	51.0101	132.2247	606.4394
10	3.56E-11	0.0001	0.0033	0.0147	0.0386	0.0739	0.1262	0.8814	4.7061	3.9840	5.4749	7.9107	12.0375	21.9222	56.8251	260.6242
15	2.61E-11	0.0001	0.0024	0.0108	0.0283	0.0542	0.0925	0.6460	3.4496	2.9203	4.0131	5.7985	8.8235	16.0689	41.6527	191.0370
20	2.16E-11	0.0001	0.0020	0.0089	0.0234	0.0448	0.0765	0.5347	2.8549	2.4168	3.3212	4.7988	7.3022	13.2985	34.4713	158.1003
25	1.91E-11	0.0000	0.0018	0.0079	0.0207	0.0396	0.0676	0.4725	2.5228	2.1357	2.9349	4.2406	6.4528	11.7516	30.4617	139.7104

Table D.1-11. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Nitrogen Oxides, Uncontrolled

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0156	0.0638	0.1306	0.2037	0.2765	0.3496	0.4334	1.0031	2.1625	2.3340	2.8737	3.6691	4.9234	7.6758	17.4401	177.5230
3	0.0104	0.0424	0.0868	0.1353	0.1837	0.2322	0.2879	0.6663	1.4365	1.5504	1.9090	2.4373	3.2705	5.0989	11.5850	117.9246
5	0.0093	0.0380	0.0778	0.1214	0.1647	0.2083	0.2582	0.5975	1.2882	1.3903	1.7118	2.1856	2.9328	4.5723	10.3887	105.7472
10	0.0083	0.0338	0.0692	0.1079	0.1464	0.1851	0.2295	0.5311	1.1451	1.2359	1.5217	1.9429	2.6070	4.0645	9.2348	94.0017
15	0.0081	0.0331	0.0678	0.1057	0.1435	0.1815	0.2249	0.5206	1.1224	1.2114	1.4916	1.9044	2.5554	3.9840	9.0520	92.1409
20	0.0079	0.0321	0.0657	0.1025	0.1391	0.1758	0.2180	0.5045	1.0877	1.1739	1.4454	1.8455	2.4763	3.8608	8.7720	89.2901
25	0.0078	0.0317	0.0650	0.1014	0.1377	0.1741	0.2158	0.4994	1.0767	1.1620	1.4308	1.8268	2.4512	3.8216	8.6830	88.3846
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0326	0.1329	0.2724	0.4248	0.5766	0.7290	0.9037	2.0916	4.5093	4.8667	5.9922	7.6507	10.2660	16.0053	36.3653	370.1642
3	0.0140	0.0572	0.1172	0.1828	0.2481	0.3137	0.3888	0.9000	1.9403	2.0941	2.5784	3.2921	4.4174	6.8870	15.6478	159.2796
5	0.0112	0.0458	0.0939	0.1465	0.1988	0.2514	0.3116	0.7213	1.5551	1.6783	2.0665	2.6385	3.5404	5.5196	12.5411	127.6562
10	0.0092	0.0375	0.0769	0.1199	0.1628	0.2058	0.2551	0.5905	1.2731	1.3740	1.6917	2.1599	2.8983	4.5186	10.2667	104.5047
15	0.0086	0.0351	0.0720	0.1123	0.1525	0.1927	0.2389	0.5530	1.1922	1.2868	1.5843	2.0229	2.7143	4.2318	9.6150	97.8717
20	0.0083	0.0337	0.0691	0.1078	0.1463	0.1850	0.2293	0.5308	1.1443	1.2350	1.5206	1.9415	2.6052	4.0616	9.2283	93.9353
25	0.0081	0.0329	0.0675	0.1052	0.1428	0.1806	0.2238	0.5180	1.1168	1.2053	1.4841	1.8949	2.5426	3.9641	9.0068	91.6802
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1204	0.4913	1.0067	1.5700	2.1310	2.6942	3.3398	7.7300	16.6651	17.9861	22.1459	28.2752	37.9408	59.1519	134.3979	1368.0411
3	0.0369	0.1506	0.3086	0.4812	0.6532	0.8258	1.0237	2.3693	5.1080	5.5129	6.7879	8.6666	11.6292	18.1306	41.1943	419.3185
5	0.0258	0.1052	0.2156	0.3363	0.4564	0.5770	0.7153	1.6555	3.5692	3.8521	4.7430	6.0557	8.1258	12.6686	28.7841	292.9942
10	0.0177	0.0723	0.1482	0.2311	0.3136	0.3965	0.4915	1.1377	2.4528	2.6472	3.2594	4.1615	5.5841	8.7059	19.7805	201.3467
15	0.0150	0.0614	0.1258	0.1962	0.2663	0.3367	0.4173	0.9659	2.0825	2.2475	2.7674	3.5333	4.7411	7.3916	16.7944	170.9507
20	0.0137	0.0561	0.1149	0.1792	0.2432	0.3075	0.3812	0.8824	1.9023	2.0531	2.5279	3.2275	4.3308	6.7520	15.3411	156.1575
25	0.0128	0.0524	0.1074	0.1675	0.2274	0.2875	0.3564	0.8249	1.7784	1.9193	2.3632	3.0173	4.0488	6.3122	14.3419	145.9872

Table D.1-12. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, PM-Condensable, Uncontrolled

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0103	0.0750	0.1574	0.2364	0.3105	0.3851	0.4636	1.0072	1.9589	2.1898	2.6714	3.2834	4.4207	6.7737	14.5310	53.2576
3	0.0073	0.0526	0.1105	0.1660	0.2180	0.2704	0.3255	0.7071	1.3753	1.5373	1.8755	2.3051	3.1035	4.7555	10.2015	37.3894
5	0.0065	0.0472	0.0991	0.1488	0.1954	0.2424	0.2918	0.6339	1.2330	1.3783	1.6814	2.0666	2.7824	4.2634	9.1459	33.5207
10	0.0060	0.0432	0.0906	0.1361	0.1787	0.2217	0.2668	0.5796	1.1274	1.2602	1.5374	1.8896	2.5441	3.8983	8.3627	30.6500
15	0.0057	0.0416	0.0873	0.1312	0.1722	0.2136	0.2572	0.5587	1.0866	1.2146	1.4818	1.8213	2.4521	3.7573	8.0602	29.5415
20	0.0057	0.0411	0.0863	0.1297	0.1703	0.2112	0.2543	0.5524	1.0743	1.2010	1.4651	1.8008	2.4245	3.7150	7.9694	29.2086
25	0.0056	0.0406	0.0852	0.1279	0.1680	0.2084	0.2508	0.5449	1.0599	1.1848	1.4454	1.7765	2.3918	3.6650	7.8621	28.8155
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0194	0.1408	0.2955	0.4439	0.5829	0.7231	0.8704	1.8909	3.6777	4.1111	5.0154	6.1643	8.2994	12.7170	27.2806	99.9862
3	0.0092	0.0669	0.1405	0.2110	0.2771	0.3437	0.4138	0.8989	1.7483	1.9544	2.3843	2.9305	3.9455	6.0456	12.9690	47.5326
5	0.0076	0.0549	0.1153	0.1732	0.2274	0.2821	0.3395	0.7376	1.4347	1.6038	1.9565	2.4048	3.2377	4.9610	10.6424	39.0055
10	0.0064	0.0468	0.0981	0.1474	0.1936	0.2402	0.2891	0.6280	1.2215	1.3655	1.6658	2.0475	2.7566	4.2239	9.0611	33.2099
15	0.0061	0.0442	0.0928	0.1395	0.1831	0.2272	0.2734	0.5940	1.1554	1.2915	1.5756	1.9366	2.6073	3.9951	8.5704	31.4113
20	0.0059	0.0431	0.0905	0.1359	0.1785	0.2214	0.2665	0.5790	1.1262	1.2589	1.5358	1.8876	2.5414	3.8942	8.3538	30.6175
25	0.0058	0.0420	0.0882	0.1326	0.1741	0.2159	0.2599	0.5647	1.0983	1.2277	1.4978	1.8409	2.4786	3.7979	8.1472	29.8602
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0637	0.4617	0.9691	1.4559	1.9118	2.3715	2.8546	6.2016	12.0619	13.4833	16.4493	20.2176	27.2201	41.7089	89.4739	327.9308
3	0.0228	0.1653	0.3469	0.5211	0.6843	0.8489	1.0218	2.2199	4.3176	4.8264	5.8880	7.2369	9.7435	14.9297	32.0273	117.3832
5	0.0166	0.1207	0.2532	0.3804	0.4996	0.6197	0.7459	1.6206	3.1519	3.5234	4.2984	5.2831	7.1130	10.8991	23.3807	85.6926
10	0.0118	0.0859	0.1803	0.2709	0.3557	0.4412	0.5311	1.1538	2.2442	2.5086	3.0605	3.7616	5.0644	7.7601	16.6470	61.0130
15	0.0104	0.0750	0.1575	0.2366	0.3107	0.3854	0.4639	1.0079	1.9603	2.1914	2.6734	3.2858	4.4239	6.7787	14.5416	53.2966
20	0.0096	0.0700	0.1468	0.2206	0.2897	0.3593	0.4325	0.9397	1.8276	2.0430	2.4924	3.0633	4.1243	6.3196	13.5569	49.6872
25	0.0089	0.0648	0.1361	0.2045	0.2685	0.3331	0.4009	0.8710	1.6941	1.8937	2.3103	2.8395	3.8230	5.8579	12.5664	46.0572



Table D.1-13. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion (Wet Wood), PM-Filterable, Uncontrolled  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0777	0.2640	0.3937	0.4795	0.5521	0.6151	0.6799	0.9857	1.1538	1.4326	1.5712	1.7507	2.0386	2.4784	3.5507	7.7470
3	0.0711	0.2413	0.3599	0.4384	0.5048	0.5624	0.6216	0.9012	1.0549	1.3098	1.4365	1.6007	1.8638	2.2660	3.2464	7.0830
5	0.0701	0.2380	0.3550	0.4324	0.4979	0.5547	0.6131	0.8889	1.0405	1.2918	1.4168	1.5788	1.8383	2.2349	3.2019	6.9860
10	0.0689	0.2340	0.3490	0.4251	0.4895	0.5453	0.6028	0.8739	1.0229	1.2700	1.3929	1.5521	1.8073	2.1972	3.1479	6.8682
15	0.0684	0.2324	0.3465	0.4221	0.4860	0.5414	0.5985	0.8676	1.0156	1.2610	1.3830	1.5411	1.7944	2.1816	3.1254	6.8191
20	0.0681	0.2314	0.3451	0.4204	0.4840	0.5392	0.5960	0.8641	1.0114	1.2558	1.3773	1.5347	1.7870	2.1726	3.1125	6.7910
25	0.0680	0.2309	0.3443	0.4194	0.4828	0.5379	0.5946	0.8621	1.0091	1.2529	1.3741	1.5311	1.7829	2.1675	3.1053	6.7753
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0921	0.3128	0.4665	0.5682	0.6542	0.7288	0.8056	1.1679	1.3671	1.6974	1.8616	2.0744	2.4154	2.9365	4.2071	9.1791
3	0.0754	0.2559	0.3816	0.4649	0.5352	0.5963	0.6591	0.9555	1.1185	1.3887	1.5230	1.6971	1.9761	2.4025	3.4419	7.5097
5	0.0724	0.2459	0.3667	0.4467	0.5143	0.5730	0.6333	0.9182	1.0748	1.3344	1.4636	1.6308	1.8989	2.3086	3.3075	7.2163
10	0.0698	0.2372	0.3537	0.4309	0.4960	0.5526	0.6109	0.8856	1.0367	1.2871	1.4116	1.5730	1.8316	2.2267	3.1902	6.9604
15	0.0692	0.2350	0.3506	0.4270	0.4916	0.5477	0.6054	0.8777	1.0274	1.2756	1.3990	1.5589	1.8152	2.2068	3.1616	6.8981
20	0.0686	0.2330	0.3475	0.4233	0.4873	0.5429	0.6001	0.8700	1.0184	1.2644	1.3867	1.5452	1.7993	2.1875	3.1339	6.8376
25	0.0684	0.2324	0.3466	0.4222	0.4860	0.5415	0.5985	0.8678	1.0157	1.2611	1.3832	1.5412	1.7946	2.1818	3.1258	6.8200
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1980	0.6724	1.0029	1.2216	1.4064	1.5669	1.7320	2.5110	2.9392	3.6493	4.0025	4.4599	5.1931	6.3135	9.0451	19.7349
3	0.1236	0.4197	0.6259	0.7624	0.8778	0.9779	1.0809	1.5671	1.8344	2.2776	2.4980	2.7834	3.2411	3.9403	5.6451	12.3167
5	0.1082	0.3674	0.5479	0.6674	0.7684	0.8561	0.9462	1.3718	1.6058	1.9937	2.1867	2.4366	2.8371	3.4493	4.9416	10.7817
10	0.0928	0.3152	0.4701	0.5726	0.6592	0.7344	0.8118	1.1769	1.3777	1.7105	1.8760	2.0904	2.4341	2.9592	4.2396	9.2500
15	0.0885	0.3005	0.4481	0.5459	0.6285	0.7002	0.7739	1.1220	1.3134	1.6307	1.7885	1.9929	2.3205	2.8212	4.0418	8.8185
20	0.0846	0.2871	0.4282	0.5216	0.6005	0.6691	0.7395	1.0722	1.2550	1.5582	1.7090	1.9043	2.2174	2.6958	3.8622	8.4266
25	0.0826	0.2806	0.4186	0.5098	0.5870	0.6540	0.7228	1.0480	1.2267	1.5230	1.6704	1.8613	2.1673	2.6349	3.7750	8.2363

Table D.1-14. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion (Dry Wood), PM-Filterable, Uncontrolled  
Target Statistic

**Median**

n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1872	0.3962	0.5132	0.5943	0.6553	0.7093	0.7607	0.9984	1.0778	1.3030	1.3965	1.5026	1.6533	1.9314	2.5144	4.2418
3	0.1798	0.3807	0.4930	0.5710	0.6295	0.6814	0.7308	0.9592	1.0355	1.2518	1.3417	1.4436	1.5884	1.8556	2.4157	4.0753
5	0.1764	0.3733	0.4835	0.5600	0.6174	0.6683	0.7167	0.9407	1.0155	1.2277	1.3159	1.4158	1.5579	1.8198	2.3692	3.9968
10	0.1751	0.3707	0.4801	0.5561	0.6131	0.6636	0.7117	0.9341	1.0084	1.2191	1.3066	1.4059	1.5469	1.8070	2.3526	3.9687
15	0.1746	0.3696	0.4787	0.5544	0.6113	0.6617	0.7096	0.9314	1.0054	1.2155	1.3028	1.4017	1.5423	1.8017	2.3456	3.9571
20	0.1746	0.3696	0.4787	0.5544	0.6112	0.6616	0.7095	0.9313	1.0053	1.2154	1.3027	1.4016	1.5422	1.8016	2.3455	3.9568
25	0.1740	0.3683	0.4770	0.5525	0.6091	0.6593	0.7071	0.9281	1.0018	1.2112	1.2982	1.3968	1.5369	1.7953	2.3373	3.9431

**Mean**

n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2034	0.4305	0.5576	0.6458	0.7120	0.7707	0.8265	1.0849	1.1711	1.4158	1.5175	1.6328	1.7966	2.0987	2.7322	4.6092
3	0.1845	0.3905	0.5057	0.5857	0.6458	0.6990	0.7496	0.9840	1.0622	1.2841	1.3763	1.4809	1.6294	1.9034	2.4780	4.1804
5	0.1795	0.3799	0.4920	0.5698	0.6282	0.6800	0.7293	0.9572	1.0333	1.2492	1.3389	1.4406	1.5851	1.8517	2.4107	4.0669
10	0.1768	0.3742	0.4847	0.5614	0.6189	0.6700	0.7185	0.9431	1.0180	1.2307	1.3191	1.4193	1.5617	1.8243	2.3750	4.0066
15	0.1758	0.3721	0.4819	0.5582	0.6154	0.6661	0.7144	0.9377	1.0122	1.2237	1.3115	1.4112	1.5527	1.8138	2.3614	3.9837
20	0.1754	0.3712	0.4808	0.5568	0.6139	0.6645	0.7126	0.9353	1.0097	1.2206	1.3083	1.4077	1.5489	1.8093	2.3556	3.9738
25	0.1747	0.3697	0.4788	0.5545	0.6114	0.6618	0.7097	0.9316	1.0056	1.2158	1.3030	1.4021	1.5427	1.8021	2.3461	3.9579

**95 Percentile**

n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.3633	0.7689	0.9959	1.1534	1.2716	1.3764	1.4761	1.9375	2.0915	2.5285	2.7101	2.9160	3.2085	3.7480	4.8795	8.2317
3	0.2628	0.5562	0.7205	0.8344	0.9199	0.9958	1.0679	1.4017	1.5131	1.8292	1.9606	2.1095	2.3211	2.7115	3.5300	5.9551
5	0.2386	0.5050	0.6541	0.7575	0.8351	0.9040	0.9695	1.2725	1.3736	1.6606	1.7799	1.9151	2.1072	2.4616	3.2047	5.4063
10	0.2173	0.4599	0.5956	0.6898	0.7605	0.8232	0.8828	1.1588	1.2509	1.5122	1.6208	1.7440	1.9189	2.2416	2.9183	4.9232
15	0.2091	0.4426	0.5733	0.6639	0.7320	0.7924	0.8498	1.1154	1.2040	1.4556	1.5601	1.6786	1.8470	2.1576	2.8090	4.7387
20	0.2033	0.4303	0.5574	0.6455	0.7117	0.7704	0.8262	1.0844	1.1706	1.4152	1.5168	1.6320	1.7957	2.0977	2.7310	4.6072
25	0.1993	0.4218	0.5464	0.6327	0.6976	0.7551	0.8098	1.0630	1.1474	1.3872	1.4868	1.5998	1.7602	2.0562	2.6770	4.5161

Table D.1-15. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, PM-Filterable, Wet Scrubber

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.3085	0.4862	0.6056	0.6794	0.7321	0.7720	0.8120	0.9996	1.0517	1.2358	1.3013	1.3823	1.4909	1.6756	2.0255	3.4071
3	0.2975	0.4689	0.5840	0.6552	0.7060	0.7445	0.7831	0.9640	1.0142	1.1918	1.2550	1.3330	1.4378	1.6160	1.9534	3.2858
5	0.2966	0.4674	0.5822	0.6531	0.7038	0.7421	0.7806	0.9609	1.0110	1.1880	1.2510	1.3288	1.4332	1.6108	1.9472	3.2753
10	0.2949	0.4647	0.5788	0.6493	0.6997	0.7378	0.7761	0.9553	1.0051	1.1811	1.2437	1.3210	1.4248	1.6014	1.9358	3.2562
15	0.2940	0.4634	0.5771	0.6474	0.6977	0.7357	0.7738	0.9526	1.0022	1.1777	1.2401	1.3172	1.4207	1.5968	1.9302	3.2469
20	0.2945	0.4641	0.5780	0.6484	0.6987	0.7368	0.7750	0.9540	1.0037	1.1795	1.2420	1.3192	1.4229	1.5992	1.9331	3.2517
25	0.2941	0.4635	0.5773	0.6477	0.6979	0.7359	0.7741	0.9529	1.0026	1.1781	1.2405	1.3177	1.4213	1.5974	1.9309	3.2481
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.3220	0.5074	0.6320	0.7090	0.7640	0.8057	0.8475	1.0432	1.0976	1.2897	1.3581	1.4426	1.5559	1.7487	2.1139	3.5558
3	0.3029	0.4774	0.5946	0.6671	0.7188	0.7580	0.7973	0.9815	1.0326	1.2134	1.2777	1.3572	1.4639	1.6453	1.9888	3.3454
5	0.2992	0.4716	0.5873	0.6589	0.7100	0.7487	0.7875	0.9694	1.0199	1.1985	1.2620	1.3405	1.4459	1.6251	1.9644	3.3043
10	0.2962	0.4667	0.5813	0.6522	0.7028	0.7410	0.7795	0.9595	1.0095	1.1863	1.2492	1.3269	1.4311	1.6085	1.9444	3.2706
15	0.2951	0.4651	0.5793	0.6498	0.7002	0.7384	0.7767	0.9561	1.0059	1.1821	1.2447	1.3221	1.4260	1.6028	1.9374	3.2589
20	0.2951	0.4651	0.5793	0.6498	0.7003	0.7384	0.7767	0.9561	1.0060	1.1821	1.2447	1.3222	1.4261	1.6028	1.9375	3.2590
25	0.2947	0.4644	0.5783	0.6488	0.6991	0.7372	0.7755	0.9546	1.0044	1.1802	1.2427	1.3201	1.4238	1.6002	1.9344	3.2538
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.5057	0.7969	0.9926	1.1135	1.1999	1.2653	1.3310	1.6384	1.7237	2.0256	2.1329	2.2656	2.4436	2.7464	3.3199	5.5844
3	0.4029	0.6349	0.7908	0.8872	0.9560	1.0081	1.0604	1.3053	1.3734	1.6138	1.6993	1.8050	1.9469	2.1882	2.6450	4.4492
5	0.3730	0.5879	0.7322	0.8214	0.8851	0.9333	0.9818	1.2085	1.2715	1.4941	1.5733	1.6712	1.8025	2.0259	2.4489	4.1193
10	0.3473	0.5473	0.6816	0.7647	0.8240	0.8689	0.9140	1.1251	1.1837	1.3910	1.4647	1.5558	1.6781	1.8860	2.2798	3.8349
15	0.3363	0.5300	0.6601	0.7405	0.7980	0.8414	0.8851	1.0895	1.1463	1.3470	1.4184	1.5066	1.6250	1.8264	2.2077	3.7136
20	0.3308	0.5213	0.6493	0.7284	0.7849	0.8277	0.8706	1.0717	1.1276	1.3250	1.3952	1.4820	1.5984	1.7965	2.1716	3.6529
25	0.3260	0.5137	0.6398	0.7177	0.7734	0.8156	0.8579	1.0560	1.1111	1.3056	1.3748	1.4603	1.5750	1.7702	2.1399	3.5995

Table D.1-16. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion (Wet Wood), PM-Filterable, Mechanical Collector

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2538	0.3958	0.5203	0.6033	0.6630	0.7217	0.7720	1.0106	1.0969	1.3218	1.4182	1.5326	1.6964	1.9626	2.6309	5.2397
3	0.2372	0.3698	0.4862	0.5638	0.6196	0.6744	0.7214	0.9444	1.0250	1.2351	1.3252	1.4322	1.5852	1.8340	2.4584	4.8962
5	0.2360	0.3679	0.4837	0.5609	0.6164	0.6710	0.7177	0.9396	1.0198	1.2288	1.3185	1.4249	1.5771	1.8246	2.4459	4.8713
10	0.2340	0.3649	0.4797	0.5562	0.6113	0.6654	0.7118	0.9317	1.0113	1.2186	1.3075	1.4130	1.5640	1.8094	2.4255	4.8308
15	0.2335	0.3641	0.4787	0.5551	0.6100	0.6640	0.7103	0.9298	1.0092	1.2161	1.3048	1.4101	1.5608	1.8057	2.4205	4.8208
20	0.2324	0.3624	0.4764	0.5525	0.6072	0.6609	0.7070	0.9255	1.0045	1.2104	1.2987	1.4035	1.5535	1.7973	2.4092	4.7982
25	0.2321	0.3619	0.4757	0.5516	0.6062	0.6599	0.7059	0.9240	1.0030	1.2085	1.2967	1.4013	1.5511	1.7945	2.4055	4.7908
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2740	0.4272	0.5616	0.6513	0.7157	0.7791	0.8334	1.0909	1.1841	1.4268	1.5309	1.6545	1.8312	2.1186	2.8400	5.6562
3	0.2439	0.3804	0.5001	0.5799	0.6373	0.6937	0.7420	0.9713	1.0543	1.2704	1.3631	1.4731	1.6305	1.8864	2.5286	5.0361
5	0.2400	0.3743	0.4920	0.5705	0.6270	0.6825	0.7301	0.9557	1.0373	1.2500	1.3412	1.4494	1.6042	1.8560	2.4880	4.9551
10	0.2361	0.3682	0.4840	0.5612	0.6168	0.6714	0.7182	0.9401	1.0204	1.2296	1.3193	1.4257	1.5781	1.8257	2.4473	4.8742
15	0.2348	0.3661	0.4812	0.5580	0.6133	0.6676	0.7141	0.9348	1.0146	1.2226	1.3118	1.4177	1.5691	1.8154	2.4335	4.8467
20	0.2336	0.3643	0.4788	0.5553	0.6102	0.6643	0.7105	0.9301	1.0096	1.2165	1.3053	1.4106	1.5613	1.8064	2.4214	4.8225
25	0.2330	0.3633	0.4776	0.5538	0.6086	0.6625	0.7087	0.9277	1.0069	1.2133	1.3018	1.4068	1.5572	1.8016	2.4150	4.8097
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.4900	0.7641	1.0045	1.1648	1.2802	1.3935	1.4905	1.9512	2.1179	2.5520	2.7382	2.9591	3.2753	3.7893	5.0795	10.1165
3	0.3509	0.5473	0.7194	0.8342	0.9168	0.9980	1.0675	1.3974	1.5168	1.8277	1.9610	2.1193	2.3457	2.7138	3.6379	7.2453
5	0.3206	0.5000	0.6572	0.7621	0.8376	0.9117	0.9752	1.2767	1.3857	1.6697	1.7916	1.9361	2.1430	2.4793	3.3235	6.6191
10	0.2908	0.4535	0.5961	0.6912	0.7597	0.8269	0.8845	1.1579	1.2568	1.5144	1.6249	1.7560	1.9436	2.2487	3.0143	6.0034
15	0.2790	0.4351	0.5720	0.6633	0.7290	0.7935	0.8488	1.1111	1.2060	1.4532	1.5592	1.6851	1.8651	2.1578	2.8925	5.7608
20	0.2714	0.4233	0.5564	0.6452	0.7091	0.7719	0.8256	1.0808	1.1731	1.4135	1.5167	1.6390	1.8142	2.0989	2.8136	5.6035
25	0.2663	0.4152	0.5458	0.6329	0.6956	0.7572	0.8099	1.0603	1.1508	1.3867	1.4879	1.6079	1.7797	2.0590	2.7601	5.4971

Table D.1-17. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion (Dry Wood), PM-Filterable, Mechanical Collector

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1985	0.3858	0.5108	0.5905	0.6544	0.7091	0.7556	1.0006	1.0820	1.3109	1.3954	1.5162	1.6792	1.9331	2.5675	5.2743
3	0.1889	0.3672	0.4861	0.5619	0.6228	0.6748	0.7190	0.9522	1.0296	1.2475	1.3279	1.4429	1.5980	1.8396	2.4433	5.0192
5	0.1873	0.3640	0.4819	0.5571	0.6174	0.6690	0.7129	0.9441	1.0208	1.2368	1.3165	1.4306	1.5843	1.8238	2.4224	4.9762
10	0.1849	0.3595	0.4759	0.5502	0.6097	0.6607	0.7040	0.9323	1.0081	1.2214	1.3001	1.4127	1.5645	1.8011	2.3922	4.9143
15	0.1846	0.3589	0.4751	0.5492	0.6087	0.6595	0.7028	0.9307	1.0063	1.2193	1.2978	1.4102	1.5618	1.7979	2.3880	4.9056
20	0.1841	0.3579	0.4738	0.5477	0.6070	0.6577	0.7009	0.9282	1.0037	1.2160	1.2944	1.4065	1.5576	1.7932	2.3816	4.8926
25	0.1841	0.3579	0.4738	0.5477	0.6071	0.6578	0.7009	0.9282	1.0037	1.2161	1.2944	1.4066	1.5577	1.7932	2.3817	4.8927
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2169	0.4215	0.5580	0.6451	0.7149	0.7746	0.8255	1.0931	1.1820	1.4321	1.5244	1.6565	1.8345	2.1119	2.8049	5.7621
3	0.1939	0.3769	0.4990	0.5768	0.6392	0.6926	0.7381	0.9774	1.0569	1.2805	1.3630	1.4811	1.6402	1.8882	2.5079	5.1520
5	0.1905	0.3702	0.4901	0.5666	0.6279	0.6803	0.7250	0.9601	1.0382	1.2578	1.3389	1.4548	1.6112	1.8548	2.4635	5.0607
10	0.1865	0.3625	0.4800	0.5548	0.6149	0.6662	0.7100	0.9402	1.0166	1.2318	1.3111	1.4247	1.5778	1.8164	2.4124	4.9558
15	0.1855	0.3605	0.4773	0.5518	0.6115	0.6626	0.7061	0.9350	1.0110	1.2250	1.3039	1.4168	1.5691	1.8063	2.3991	4.9285
20	0.1848	0.3593	0.4757	0.5499	0.6094	0.6603	0.7036	0.9318	1.0076	1.2208	1.2995	1.4120	1.5637	1.8002	2.3909	4.9117
25	0.1850	0.3596	0.4761	0.5503	0.6099	0.6609	0.7042	0.9326	1.0084	1.2218	1.3006	1.4132	1.5650	1.8017	2.3930	4.9158
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.3890	0.7562	1.0012	1.1573	1.2826	1.3897	1.4810	1.9612	2.1207	2.5694	2.7350	2.9718	3.2912	3.7888	5.0322	10.3376
3	0.2781	0.5406	0.7157	0.8274	0.9169	0.9935	1.0587	1.4020	1.5161	1.8368	1.9552	2.1245	2.3528	2.7086	3.5975	7.3903
5	0.2542	0.4942	0.6543	0.7563	0.8382	0.9082	0.9678	1.2817	1.3859	1.6791	1.7873	1.9421	2.1508	2.4760	3.2886	6.7558
10	0.2309	0.4488	0.5942	0.6868	0.7612	0.8248	0.8789	1.1639	1.2585	1.5248	1.6231	1.7636	1.9532	2.2485	2.9864	6.1349
15	0.2206	0.4289	0.5678	0.6564	0.7274	0.7882	0.8399	1.1123	1.2027	1.4572	1.5511	1.6855	1.8666	2.1488	2.8540	5.8630
20	0.2143	0.4166	0.5515	0.6375	0.7065	0.7655	0.8157	1.0803	1.1681	1.4153	1.5065	1.6369	1.8128	2.0870	2.7718	5.6942
25	0.2123	0.4127	0.5463	0.6315	0.6999	0.7584	0.8081	1.0702	1.1572	1.4021	1.4924	1.6217	1.7960	2.0675	2.7460	5.6411

Table D.1-18. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Wood Residue Combustion, Sulfur Dioxide, Uncontrolled

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0035	0.0226	0.0704	0.1223	0.1784	0.2520	0.3299	0.9860	3.8171	2.9882	3.9411	5.4000	8.2115	14.9580	46.9569	494.0939
3	0.0019	0.0121	0.0378	0.0658	0.0959	0.1355	0.1773	0.5301	2.0521	1.6065	2.1188	2.9031	4.4146	8.0415	25.2443	265.6282
5	0.0016	0.0101	0.0316	0.0549	0.0800	0.1130	0.1479	0.4422	1.7119	1.3402	1.7675	2.4218	3.6827	6.7084	21.0593	221.5916
10	0.0013	0.0083	0.0258	0.0449	0.0655	0.0925	0.1211	0.3619	1.4010	1.0968	1.4465	1.9820	3.0139	5.4901	17.2347	181.3483
15	0.0012	0.0077	0.0239	0.0416	0.0607	0.0857	0.1122	0.3355	1.2987	1.0167	1.3409	1.8372	2.7938	5.0891	15.9760	168.1043
20	0.0011	0.0073	0.0227	0.0395	0.0576	0.0814	0.1065	0.3183	1.2322	0.9647	1.2723	1.7433	2.6509	4.8288	15.1589	159.5060
25	0.0011	0.0072	0.0225	0.0390	0.0569	0.0805	0.1053	0.3148	1.2185	0.9539	1.2581	1.7238	2.6214	4.7750	14.9900	157.7288
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0128	0.0836	0.2605	0.4526	0.6600	0.9325	1.2205	3.6485	14.1236	11.0567	14.5824	19.9806	30.3835	55.3462	173.7454	1828.1989
3	0.0033	0.0212	0.0662	0.1150	0.1677	0.2369	0.3100	0.9268	3.5875	2.8085	3.7041	5.0753	7.7178	14.0585	44.1333	464.3829
5	0.0022	0.0144	0.0448	0.0779	0.1136	0.1605	0.2101	0.6279	2.4308	1.9030	2.5098	3.4389	5.2293	9.5256	29.9033	314.6509
10	0.0016	0.0102	0.0316	0.0550	0.0802	0.1133	0.1483	0.4434	1.7163	1.3436	1.7720	2.4280	3.6922	6.7256	21.1132	222.1594
15	0.0014	0.0089	0.0278	0.0483	0.0704	0.0995	0.1302	0.3892	1.5068	1.1796	1.5557	2.1316	3.2414	5.9046	18.5359	195.0402
20	0.0013	0.0082	0.0256	0.0444	0.0648	0.0916	0.1199	0.3583	1.3870	1.0858	1.4321	1.9622	2.9839	5.4353	17.0629	179.5408
25	0.0012	0.0079	0.0245	0.0425	0.0620	0.0877	0.1147	0.3430	1.3277	1.0394	1.3709	1.8784	2.8563	5.2030	16.3336	171.8670
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0506	0.3299	1.0280	1.7863	2.6053	3.6808	4.8175	14.4009	55.7474	43.6422	57.5585	78.8657	119.9273	218.4577	685.7933	7216.1130
3	0.0108	0.0703	0.2191	0.3806	0.5551	0.7843	1.0265	3.0686	11.8790	9.2995	12.2649	16.8051	25.5548	46.5502	146.1326	1537.6495
5	0.0062	0.0403	0.1256	0.2182	0.3182	0.4495	0.5884	1.7588	6.8086	5.3302	7.0298	9.6322	14.6472	26.6811	83.7586	881.3320
10	0.0037	0.0243	0.0758	0.1318	0.1922	0.2715	0.3553	1.0622	4.1120	3.2191	4.2456	5.8172	8.8460	16.1137	50.5848	532.2675
15	0.0030	0.0194	0.0605	0.1051	0.1533	0.2166	0.2835	0.8473	3.2801	2.5679	3.3867	4.6404	7.0564	12.8538	40.3514	424.5887
20	0.0026	0.0168	0.0524	0.0910	0.1327	0.1874	0.2453	0.7334	2.8390	2.2225	2.9312	4.0163	6.1073	11.1250	34.9242	367.4827
25	0.0023	0.0151	0.0470	0.0816	0.1190	0.1682	0.2201	0.6579	2.5468	1.9938	2.6296	3.6030	5.4789	9.9804	31.3309	329.6723

## **Appendix D.2**

### **Refuse Combustion**

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Table D.2-1. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), Arsenic, Spray Dryer Fabric Filter

Target Statistic

**Median**

n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0871	0.1877	0.3145	0.4071	0.4805	0.5503	0.6202	1.0046	1.2959	1.6480	1.8423	2.1276	2.5295	3.1505	5.2109	14.0288
3	0.0740	0.1596	0.2674	0.3461	0.4085	0.4679	0.5273	0.8541	1.1017	1.4011	1.5663	1.8089	2.1506	2.6786	4.4304	11.9274
5	0.0714	0.1538	0.2578	0.3337	0.3938	0.4511	0.5083	0.8234	1.0622	1.3508	1.5100	1.7439	2.0734	2.5823	4.2712	11.4990
10	0.0693	0.1494	0.2503	0.3240	0.3824	0.4379	0.4936	0.7995	1.0313	1.3115	1.4661	1.6932	2.0131	2.5073	4.1470	11.1647
15	0.0688	0.1483	0.2485	0.3217	0.3797	0.4348	0.4900	0.7938	1.0239	1.3022	1.4557	1.6811	1.9987	2.4893	4.1174	11.0849
20	0.0687	0.1481	0.2481	0.3212	0.3791	0.4342	0.4893	0.7926	1.0224	1.3002	1.4535	1.6786	1.9957	2.4856	4.1113	11.0685
25	0.0680	0.1466	0.2457	0.3180	0.3754	0.4299	0.4845	0.7848	1.0124	1.2875	1.4392	1.6621	1.9761	2.4612	4.0709	10.9598

**Mean**

n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1120	0.2414	0.4046	0.5237	0.6182	0.7080	0.7979	1.2924	1.6672	2.1202	2.3701	2.7372	3.2543	4.0532	6.7040	18.0486
3	0.0814	0.1755	0.2941	0.3808	0.4494	0.5147	0.5801	0.9396	1.2121	1.5414	1.7231	1.9900	2.3659	2.9467	4.8740	13.1217
5	0.0755	0.1628	0.2727	0.3531	0.4167	0.4773	0.5379	0.8713	1.1239	1.4293	1.5978	1.8453	2.1939	2.7324	4.5195	12.1674
10	0.0713	0.1538	0.2576	0.3335	0.3937	0.4509	0.5081	0.8231	1.0617	1.3502	1.5094	1.7432	2.0725	2.5812	4.2694	11.4941
15	0.0700	0.1510	0.2530	0.3275	0.3865	0.4427	0.4989	0.8082	1.0425	1.3258	1.4821	1.7116	2.0349	2.5345	4.1921	11.2859
20	0.0695	0.1498	0.2509	0.3248	0.3834	0.4391	0.4949	0.8016	1.0341	1.3151	1.4701	1.6978	2.0185	2.5140	4.1582	11.1948
25	0.0688	0.1483	0.2485	0.3217	0.3797	0.4349	0.4901	0.7939	1.0240	1.3023	1.4558	1.6813	1.9989	2.4896	4.1179	11.0862

**95 Percentile**

n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2818	0.6074	1.0179	1.3177	1.5553	1.7812	2.0074	3.2517	4.1945	5.3344	5.9631	6.8867	8.1876	10.1976	16.8670	45.4093
3	0.1497	0.3226	0.5406	0.6999	0.8261	0.9461	1.0662	1.7271	2.2279	2.8333	3.1673	3.6579	4.3488	5.4164	8.9589	24.1190
5	0.1251	0.2696	0.4517	0.5847	0.6902	0.7904	0.8908	1.4430	1.8614	2.3672	2.6462	3.0561	3.6334	4.5253	7.4849	20.1510
10	0.1041	0.2243	0.3758	0.4865	0.5743	0.6577	0.7412	1.2007	1.5488	1.9697	2.2018	2.5429	3.0232	3.7654	6.2280	16.7670
15	0.0956	0.2060	0.3453	0.4470	0.5276	0.6042	0.6809	1.1030	1.4228	1.8094	2.0227	2.3360	2.7772	3.4590	5.7212	15.4027
20	0.0914	0.1969	0.3300	0.4272	0.5042	0.5775	0.6508	1.0542	1.3599	1.7294	1.9333	2.2327	2.6545	3.3061	5.4683	14.7219
25	0.0878	0.1892	0.3170	0.4104	0.4844	0.5547	0.6252	1.0127	1.3063	1.6613	1.8572	2.1448	2.5500	3.1759	5.2531	14.1423

Table D.2-2. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), Cadmium, Spray Dryer ESP

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0365	0.1184	0.2201	0.3123	0.3891	0.4633	0.5387	0.9999	1.5192	1.8845	2.1965	2.6147	3.2351	4.3473	8.1795	41.7833
3	0.0287	0.0930	0.1729	0.2453	0.3056	0.3639	0.4231	0.7854	1.1932	1.4801	1.7252	2.0537	2.5410	3.4146	6.4245	32.8182
5	0.0269	0.0872	0.1621	0.2299	0.2865	0.3411	0.3966	0.7361	1.1184	1.3873	1.6170	1.9249	2.3816	3.2004	6.0216	30.7602
10	0.0257	0.0834	0.1550	0.2199	0.2740	0.3263	0.3794	0.7042	1.0699	1.3271	1.5469	1.8413	2.2783	3.0616	5.7603	29.4254
15	0.0251	0.0815	0.1515	0.2149	0.2677	0.3188	0.3707	0.6880	1.0453	1.2967	1.5114	1.7991	2.2260	2.9913	5.6281	28.7503
20	0.0249	0.0807	0.1500	0.2128	0.2652	0.3158	0.3671	0.6815	1.0354	1.2843	1.4970	1.7819	2.2048	2.9628	5.5745	28.4762
25	0.0249	0.0806	0.1498	0.2125	0.2648	0.3153	0.3666	0.6805	1.0339	1.2825	1.4949	1.7795	2.2018	2.9587	5.5668	28.4371
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0545	0.1766	0.3284	0.4659	0.5805	0.6912	0.8037	1.4918	2.2665	2.8115	3.2770	3.9009	4.8265	6.4859	12.2031	62.3374
3	0.0334	0.1084	0.2015	0.2859	0.3562	0.4242	0.4932	0.9154	1.3908	1.7252	2.0109	2.3937	2.9617	3.9800	7.4882	38.2524
5	0.0295	0.0955	0.1775	0.2519	0.3138	0.3737	0.4345	0.8064	1.2252	1.5198	1.7714	2.1087	2.6090	3.5060	6.5966	33.6974
10	0.0269	0.0872	0.1622	0.2301	0.2867	0.3414	0.3969	0.7367	1.1193	1.3884	1.6183	1.9263	2.3835	3.2029	6.0262	30.7838
15	0.0260	0.0842	0.1565	0.2221	0.2767	0.3295	0.3831	0.7111	1.0804	1.3402	1.5621	1.8594	2.3007	3.0917	5.8169	29.7146
20	0.0255	0.0826	0.1537	0.2180	0.2716	0.3234	0.3760	0.6980	1.0605	1.3155	1.5333	1.8252	2.2583	3.0347	5.7098	29.1674
25	0.0253	0.0819	0.1522	0.2159	0.2691	0.3204	0.3725	0.6914	1.0505	1.3031	1.5188	1.8080	2.2370	3.0061	5.6559	28.8922
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1631	0.5285	0.9827	1.3941	1.7371	2.0684	2.4049	4.4638	6.7821	8.4127	9.8056	11.6724	14.4422	19.4075	36.5149	186.5300
3	0.0714	0.2315	0.4305	0.6107	0.7610	0.9061	1.0535	1.9555	2.9711	3.6854	4.2956	5.1134	6.3268	8.5020	15.9964	81.7148
5	0.0557	0.1806	0.3357	0.4763	0.5934	0.7066	0.8216	1.5250	2.3170	2.8740	3.3499	3.9877	4.9339	6.6302	12.4747	63.7246
10	0.0435	0.1411	0.2624	0.3723	0.4639	0.5524	0.6422	1.1921	1.8112	2.2467	2.6186	3.1172	3.8569	5.1829	9.7515	49.8139
15	0.0390	0.1264	0.2349	0.3333	0.4153	0.4945	0.5750	1.0673	1.6215	2.0114	2.3444	2.7907	3.4530	4.6401	8.7303	44.5973
20	0.0365	0.1182	0.2197	0.3117	0.3884	0.4625	0.5377	0.9980	1.5164	1.8809	2.1924	2.6098	3.2291	4.3392	8.1642	41.7053
25	0.0351	0.1136	0.2113	0.2997	0.3735	0.4447	0.5171	0.9597	1.4582	1.8087	2.1082	2.5096	3.1051	4.1726	7.8508	40.1042

Table D.2-3. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), Carbon Monoxide, Uncontrolled  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0564	0.1718	0.2900	0.3867	0.4680	0.5405	0.6109	1.0299	1.3613	1.6949	1.9176	2.2159	2.6759	3.5241	5.9862	17.4590
3	0.0466	0.1420	0.2397	0.3196	0.3868	0.4467	0.5049	0.8512	1.1251	1.4008	1.5849	1.8315	2.2117	2.9127	4.9477	14.4300
5	0.0446	0.1359	0.2294	0.3059	0.3702	0.4276	0.4832	0.8147	1.0768	1.3407	1.5169	1.7528	2.1167	2.7876	4.7352	13.8103
10	0.0431	0.1314	0.2218	0.2957	0.3579	0.4134	0.4672	0.7877	1.0412	1.2963	1.4666	1.6948	2.0466	2.6953	4.5783	13.3529
15	0.0427	0.1299	0.2193	0.2924	0.3539	0.4087	0.4619	0.7788	1.0293	1.2816	1.4500	1.6755	2.0234	2.6647	4.5264	13.2014
20	0.0424	0.1291	0.2179	0.2905	0.3516	0.4060	0.4589	0.7737	1.0227	1.2732	1.4406	1.6647	2.0102	2.6474	4.4970	13.1156
25	0.0422	0.1285	0.2170	0.2893	0.3501	0.4043	0.4570	0.7705	1.0184	1.2679	1.4345	1.6577	2.0018	2.6363	4.4781	13.0606

<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0753	0.2293	0.3872	0.5162	0.6248	0.7216	0.8155	1.3749	1.8173	2.2626	2.5599	2.9582	3.5722	4.7045	7.9913	23.3069
3	0.0515	0.1568	0.2647	0.3529	0.4272	0.4934	0.5576	0.9401	1.2426	1.5470	1.7503	2.0226	2.4425	3.2167	5.4640	15.9360
5	0.0471	0.1435	0.2423	0.3230	0.3910	0.4516	0.5104	0.8605	1.1373	1.4160	1.6021	1.8513	2.2356	2.9443	5.0013	14.5864
10	0.0446	0.1358	0.2293	0.3057	0.3700	0.4274	0.4830	0.8144	1.0764	1.3401	1.5163	1.7521	2.1158	2.7865	4.7333	13.8048
15	0.0436	0.1328	0.2242	0.2988	0.3617	0.4178	0.4721	0.7960	1.0522	1.3100	1.4821	1.7127	2.0682	2.7238	4.6267	13.4939
20	0.0431	0.1311	0.2213	0.2951	0.3572	0.4125	0.4662	0.7860	1.0389	1.2935	1.4634	1.6911	2.0422	2.6894	4.5684	13.3239
25	0.0427	0.1301	0.2197	0.2929	0.3545	0.4094	0.4627	0.7801	1.0311	1.2837	1.4525	1.6784	2.0268	2.6693	4.5341	13.2239

<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2000	0.6089	1.0281	1.3705	1.6588	1.9158	2.1652	3.6505	4.8252	6.0074	6.7969	7.8543	9.4848	12.4911	21.2180	61.8830
3	0.0977	0.2974	0.5020	0.6693	0.8101	0.9356	1.0573	1.7827	2.3563	2.9336	3.3192	3.8355	4.6317	6.0998	10.3614	30.2194
5	0.0798	0.2429	0.4100	0.5466	0.6616	0.7641	0.8635	1.4560	1.9244	2.3960	2.7108	3.1326	3.7828	4.9819	8.4624	24.6809
10	0.0660	0.2011	0.3395	0.4526	0.5478	0.6326	0.7150	1.2054	1.5933	1.9837	2.2444	2.5936	3.1320	4.1247	7.0064	20.4343
15	0.0610	0.1859	0.3138	0.4183	0.5063	0.5848	0.6609	1.1143	1.4728	1.8337	2.0746	2.3974	2.8951	3.8127	6.4764	18.8887
20	0.0578	0.1760	0.2972	0.3962	0.4795	0.5538	0.6259	1.0552	1.3948	1.7365	1.9648	2.2704	2.7417	3.6108	6.1334	17.8882
25	0.0557	0.1697	0.2866	0.3820	0.4624	0.5341	0.6036	1.0176	1.3451	1.6746	1.8947	2.1895	2.6440	3.4821	5.9148	17.2506

Table D.2-4 Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion, HCl, Uncontrolled

		Target Statistic														
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0049	0.0844	0.2283	0.3361	0.4363	0.5250	0.6056	1.0090	1.0909	1.4651	1.5936	1.7568	1.9665	2.2670	2.8775	4.1867
3	0.0046	0.0791	0.2140	0.3150	0.4089	0.4921	0.5676	0.9456	1.0224	1.3731	1.4935	1.6464	1.8430	2.1246	2.6968	3.9237
5	0.0046	0.0782	0.2115	0.3113	0.4042	0.4864	0.5610	0.9347	1.0106	1.3572	1.4763	1.6274	1.8217	2.1001	2.6656	3.8784
10	0.0046	0.0781	0.2114	0.3112	0.4040	0.4862	0.5608	0.9343	1.0102	1.3567	1.4757	1.6267	1.8210	2.0992	2.6646	3.8768
15	0.0045	0.0778	0.2105	0.3099	0.4023	0.4841	0.5585	0.9304	1.0060	1.3510	1.4695	1.6199	1.8133	2.0904	2.6534	3.8606
20	0.0045	0.0775	0.2096	0.3086	0.4006	0.4821	0.5561	0.9264	1.0017	1.3453	1.4632	1.6130	1.8056	2.0816	2.6421	3.8442
25	0.0045	0.0776	0.2101	0.3092	0.4014	0.4831	0.5572	0.9283	1.0037	1.3480	1.4662	1.6163	1.8093	2.0858	2.6474	3.8519
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0083	0.1425	0.3854	0.5673	0.7365	0.8863	1.0224	1.7033	1.8416	2.4733	2.6902	2.9656	3.3197	3.8270	4.8576	7.0676
3	0.0051	0.0875	0.2366	0.3483	0.4521	0.5441	0.6276	1.0456	1.1305	1.5183	1.6514	1.8205	2.0378	2.3492	2.9819	4.3385
5	0.0048	0.0829	0.2242	0.3300	0.4285	0.5156	0.5947	0.9909	1.0713	1.4388	1.5650	1.7252	1.9312	2.2263	2.8259	4.1115
10	0.0047	0.0802	0.2169	0.3193	0.4145	0.4987	0.5753	0.9585	1.0363	1.3918	1.5138	1.6688	1.8680	2.1535	2.7335	3.9771
15	0.0046	0.0791	0.2140	0.3149	0.4088	0.4920	0.5675	0.9454	1.0222	1.3729	1.4933	1.6461	1.8427	2.1243	2.6963	3.9231
20	0.0046	0.0785	0.2125	0.3127	0.4060	0.4885	0.5635	0.9389	1.0151	1.3633	1.4829	1.6347	1.8298	2.1095	2.6775	3.8957
25	0.0046	0.0784	0.2121	0.3122	0.4054	0.4878	0.5627	0.9374	1.0136	1.3612	1.4806	1.6322	1.8270	2.1063	2.6735	3.8898
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0217	0.3709	1.0034	1.4769	1.9174	2.3073	2.6614	4.4340	4.7941	6.4386	7.0032	7.7201	8.6418	9.9625	12.6454	18.3985
3	0.0091	0.1556	0.4209	0.6195	0.8043	0.9679	1.1164	1.8600	2.0110	2.7009	2.9377	3.2384	3.6251	4.1791	5.3045	7.7178
5	0.0075	0.1291	0.3492	0.5140	0.6673	0.8030	0.9262	1.5431	1.6684	2.2407	2.4372	2.6867	3.0075	3.4671	4.4008	6.4030
10	0.0064	0.1092	0.2953	0.4347	0.5644	0.6791	0.7834	1.3051	1.4111	1.8952	2.0613	2.2724	2.5437	2.9324	3.7221	5.4155
15	0.0059	0.1011	0.2735	0.4026	0.5227	0.6290	0.7256	1.2088	1.3070	1.7553	1.9092	2.1047	2.3560	2.7160	3.4474	5.0158
20	0.0057	0.0973	0.2632	0.3875	0.5030	0.6053	0.6982	1.1632	1.2577	1.6891	1.8372	2.0253	2.2671	2.6136	3.3174	4.8267
25	0.0056	0.0951	0.2573	0.3787	0.4917	0.5917	0.6825	1.1370	1.2294	1.6511	1.7959	1.9797	2.2161	2.5547	3.2427	4.7180

Table D.2-5. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), HCl, Spray Dryer Fabric Filter

		Target Statistic														
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	6.78E-07	0.0063	0.0396	0.0983	0.1738	0.2583	0.3498	1.0007	1.7322	2.2975	2.7657	3.3898	4.2969	5.9925	9.8028	20.6821
3	4.65E-07	0.0043	0.0272	0.0675	0.1194	0.1774	0.2402	0.6873	1.1896	1.5779	1.8994	2.3281	2.9510	4.1156	6.7324	14.2042
5	4.40E-07	0.0041	0.0257	0.0638	0.1129	0.1677	0.2271	0.6497	1.1246	1.4916	1.7955	2.2008	2.7896	3.8905	6.3642	13.4273
10	4.13E-07	0.0038	0.0241	0.0598	0.1058	0.1572	0.2130	0.6093	1.0546	1.3988	1.6838	2.0638	2.6161	3.6485	5.9683	12.5920
15	4.06E-07	0.0038	0.0237	0.0588	0.1040	0.1546	0.2094	0.5990	1.0368	1.3752	1.6554	2.0290	2.5719	3.5868	5.8674	12.3792
20	4.01E-07	0.0037	0.0234	0.0581	0.1028	0.1527	0.2069	0.5918	1.0244	1.3588	1.6356	2.0048	2.5412	3.5440	5.7974	12.2316
25	3.99E-07	0.0037	0.0233	0.0579	0.1024	0.1521	0.2060	0.5893	1.0201	1.3530	1.6287	1.9962	2.5304	3.5289	5.7728	12.1796
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	7.01E-06	0.0652	0.4097	1.0167	1.7984	2.6719	3.6187	10.3533	17.9206	23.7693	28.6129	35.0704	44.4546	61.9972	101.4175	213.9727
3	7.20E-07	0.0067	0.0421	0.1044	0.1847	0.2743	0.3716	1.0630	1.8400	2.4405	2.9378	3.6008	4.5644	6.3655	10.4130	21.9696
5	5.50E-07	0.0051	0.0322	0.0798	0.1412	0.2098	0.2841	0.8128	1.4069	1.8661	2.2463	2.7533	3.4900	4.8672	7.9620	16.7985
10	4.57E-07	0.0042	0.0267	0.0662	0.1171	0.1740	0.2356	0.6741	1.1668	1.5476	1.8629	2.2834	2.8943	4.0365	6.6031	13.9313
15	4.34E-07	0.0040	0.0253	0.0629	0.1113	0.1653	0.2239	0.6405	1.1086	1.4704	1.7700	2.1695	2.7500	3.8352	6.2738	13.2366
20	4.21E-07	0.0039	0.0246	0.0611	0.1080	0.1605	0.2174	0.6219	1.0764	1.4277	1.7186	2.1065	2.6701	3.7238	6.0916	12.8521
25	4.16E-07	0.0039	0.0243	0.0603	0.1067	0.1585	0.2147	0.6142	1.0630	1.4100	1.6973	2.0804	2.6370	3.6776	6.0160	12.6928
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	1.59E-05	0.1476	0.9281	2.3034	4.0743	6.0532	8.1983	23.4558	40.5997	53.8501	64.8233	79.4530	100.7131	140.4564	229.7643	484.7616
3	1.94E-06	0.0181	0.1135	0.2818	0.4985	0.7406	1.0030	2.8696	4.9670	6.5881	7.9306	9.7204	12.3214	17.1837	28.1098	59.3066
5	1.28E-06	0.0119	0.0748	0.1856	0.3283	0.4877	0.6606	1.8900	3.2714	4.3390	5.2232	6.4020	8.1151	11.3174	18.5135	39.0601
10	8.33E-07	0.0077	0.0487	0.1208	0.2137	0.3175	0.4300	1.2302	2.1294	2.8243	3.3998	4.1671	5.2822	7.3666	12.0507	25.4247
15	7.11E-07	0.0066	0.0415	0.1030	0.1823	0.2708	0.3668	1.0493	1.8162	2.4090	2.8999	3.5543	4.5054	6.2834	10.2786	21.6859
20	6.49E-07	0.0060	0.0379	0.0942	0.1666	0.2475	0.3352	0.9589	1.6598	2.2016	2.6502	3.2483	4.1175	5.7423	9.3935	19.8186
25	6.17E-07	0.0057	0.0361	0.0895	0.1583	0.2352	0.3186	0.9115	1.5778	2.0927	2.5192	3.0877	3.9139	5.4584	8.9291	18.8388

Table D.2-6. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), Lead, Spray Dryer ESP

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0389	0.1201	0.2270	0.3169	0.3948	0.4678	0.5461	1.0053	1.4840	1.8322	2.1434	2.5585	3.1482	4.2829	7.7172	55.5434
3	0.0302	0.0934	0.1766	0.2465	0.3071	0.3639	0.4248	0.7819	1.1543	1.4251	1.6672	1.9901	2.4488	3.3314	6.0027	43.2039
5	0.0287	0.0885	0.1673	0.2336	0.2910	0.3448	0.4026	0.7410	1.0939	1.3505	1.5799	1.8859	2.3206	3.1570	5.6885	40.9422
10	0.0269	0.0832	0.1572	0.2194	0.2734	0.3239	0.3781	0.6961	1.0276	1.2686	1.4841	1.7716	2.1799	2.9656	5.3436	38.4597
15	0.0266	0.0820	0.1550	0.2164	0.2696	0.3195	0.3730	0.6866	1.0136	1.2514	1.4640	1.7475	2.1503	2.9253	5.2710	37.9376
20	0.0262	0.0809	0.1529	0.2135	0.2660	0.3151	0.3679	0.6772	0.9998	1.2343	1.4440	1.7237	2.1209	2.8853	5.1990	37.4190
25	0.0260	0.0803	0.1517	0.2118	0.2638	0.3126	0.3649	0.6718	0.9917	1.2243	1.4323	1.7097	2.1038	2.8620	5.1570	37.1165
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0582	0.1797	0.3395	0.4740	0.5906	0.6998	0.8170	1.5038	2.2200	2.7408	3.2064	3.8274	4.7095	6.4069	11.5444	83.0890
3	0.0354	0.1092	0.2064	0.2881	0.3589	0.4253	0.4965	0.9139	1.3492	1.6657	1.9487	2.3261	2.8622	3.8938	7.0161	50.4974
5	0.0315	0.0973	0.1838	0.2566	0.3197	0.3788	0.4422	0.8140	1.2018	1.4837	1.7357	2.0719	2.5494	3.4683	6.2493	44.9788
10	0.0284	0.0878	0.1659	0.2316	0.2886	0.3420	0.3992	0.7348	1.0848	1.3393	1.5668	1.8703	2.3013	3.1308	5.6413	40.6022
15	0.0274	0.0848	0.1602	0.2237	0.2786	0.3302	0.3855	0.7095	1.0475	1.2932	1.5128	1.8058	2.2220	3.0229	5.4469	39.2032
20	0.0269	0.0830	0.1569	0.2190	0.2728	0.3233	0.3774	0.6947	1.0256	1.2662	1.4813	1.7682	2.1757	2.9599	5.3334	38.3866
25	0.0266	0.0820	0.1550	0.2164	0.2696	0.3195	0.3730	0.6865	1.0135	1.2513	1.4638	1.7474	2.1501	2.9250	5.2705	37.9339
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1693	0.5229	0.9882	1.3797	1.7188	2.0367	2.3777	4.3767	6.4613	7.9770	9.3320	11.1395	13.7068	18.6470	33.5995	241.8282
3	0.0755	0.2333	0.4409	0.6156	0.7669	0.9087	1.0608	1.9527	2.8827	3.5590	4.1635	4.9699	6.1153	8.3194	14.9905	107.8923
5	0.0591	0.1824	0.3447	0.4813	0.5996	0.7105	0.8294	1.5267	2.2539	2.7827	3.2553	3.8858	4.7814	6.5047	11.7206	84.3578
10	0.0466	0.1440	0.2721	0.3798	0.4732	0.5607	0.6546	1.2050	1.7789	2.1962	2.5692	3.0668	3.7736	5.1337	9.2503	66.5780
15	0.0412	0.1272	0.2404	0.3356	0.4181	0.4955	0.5784	1.0647	1.5718	1.9405	2.2702	2.7098	3.3344	4.5362	8.1736	58.8284
20	0.0384	0.1184	0.2239	0.3125	0.3894	0.4614	0.5386	0.9914	1.4636	1.8070	2.1139	2.5233	3.1049	4.2240	7.6111	54.7797
25	0.0369	0.1140	0.2154	0.3007	0.3747	0.4439	0.5183	0.9540	1.4084	1.7388	2.0341	2.4281	2.9877	4.0646	7.3238	52.7123

Table D.2-7. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), Mercury, Spray Dryer Fabric Filter

Target Statistic																
Median																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0242	0.0896	0.1767	0.2605	0.3431	0.4168	0.4918	0.9997	1.7111	1.9865	2.3628	2.8971	3.7477	5.4544	11.3087	55.9836
3	0.0183	0.0678	0.1337	0.1972	0.2597	0.3155	0.3723	0.7568	1.2953	1.5037	1.7886	2.1931	2.8369	4.1289	8.5604	42.3784
5	0.0169	0.0626	0.1235	0.1821	0.2398	0.2913	0.3438	0.6988	1.1960	1.3885	1.6515	2.0250	2.6194	3.8124	7.9042	39.1299
10	0.0155	0.0574	0.1132	0.1670	0.2199	0.2672	0.3153	0.6408	1.0968	1.2733	1.5145	1.8571	2.4022	3.4962	7.2488	35.8851
15	0.0154	0.0568	0.1120	0.1651	0.2175	0.2642	0.3118	0.6337	1.0846	1.2592	1.4977	1.8364	2.3756	3.4574	7.1682	35.4865
20	0.0150	0.0554	0.1092	0.1611	0.2122	0.2577	0.3041	0.6182	1.0581	1.2284	1.4611	1.7915	2.3175	3.3729	6.9930	34.6189
25	0.0149	0.0551	0.1086	0.1601	0.2109	0.2562	0.3023	0.6145	1.0517	1.2209	1.4522	1.7806	2.3034	3.3524	6.9505	34.4084
Mean																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0419	0.1548	0.3053	0.4503	0.5930	0.7204	0.8501	1.7279	2.9575	3.4333	4.0837	5.0073	6.4773	9.4271	19.5453	96.7594
3	0.0224	0.0829	0.1635	0.2411	0.3176	0.3858	0.4552	0.9253	1.5837	1.8386	2.1868	2.6814	3.4686	5.0483	10.4666	51.8151
5	0.0191	0.0706	0.1392	0.2053	0.2703	0.3284	0.3875	0.7877	1.3483	1.5652	1.8617	2.2828	2.9529	4.2977	8.9105	44.1115
10	0.0166	0.0615	0.1213	0.1789	0.2356	0.2862	0.3377	0.6865	1.1750	1.3640	1.6224	1.9893	2.5733	3.7453	7.7651	38.4412
15	0.0159	0.0589	0.1162	0.1714	0.2257	0.2742	0.3236	0.6577	1.1258	1.3069	1.5545	1.9060	2.4656	3.5885	7.4400	36.8318
20	0.0155	0.0573	0.1130	0.1666	0.2194	0.2665	0.3145	0.6393	1.0942	1.2703	1.5109	1.8527	2.3966	3.4880	7.2316	35.8003
25	0.0152	0.0563	0.1110	0.1637	0.2156	0.2618	0.3090	0.6281	1.0750	1.2480	1.4844	1.8201	2.3545	3.4267	7.1046	35.1715
95 Percentile																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1373	0.5073	1.0006	1.4756	1.9435	2.3608	2.7860	5.6629	9.6925	11.2521	13.3835	16.4104	21.2281	30.8956	64.0560	317.1101
3	0.0522	0.1929	0.3805	0.5611	0.7390	0.8977	1.0594	2.1533	3.6856	4.2786	5.0891	6.2400	8.0720	11.7480	24.3572	120.5808
5	0.0390	0.1440	0.2840	0.4189	0.5517	0.6702	0.7908	1.6075	2.7514	3.1941	3.7991	4.6584	6.0260	8.7703	18.1835	90.0176
10	0.0290	0.1073	0.2117	0.3122	0.4111	0.4994	0.5894	1.1980	2.0504	2.3804	2.8313	3.4716	4.4908	6.5359	13.5509	67.0841
15	0.0257	0.0948	0.1870	0.2757	0.3631	0.4411	0.5205	1.0581	1.8110	2.1024	2.5006	3.0662	3.9664	5.7727	11.9685	59.2503
20	0.0238	0.0881	0.1738	0.2562	0.3375	0.4100	0.4838	0.9834	1.6831	1.9539	2.3241	2.8497	3.6863	5.3651	11.1234	55.0665
25	0.0225	0.0831	0.1640	0.2418	0.3185	0.3869	0.4566	0.9281	1.5885	1.8441	2.1934	2.6894	3.4790	5.0633	10.4979	51.9698

Table D.2-8. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), Nickel, Spray Dryer Fabric Filter

		Target Statistic														
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0147	0.0973	0.1924	0.2786	0.3572	0.4374	0.5133	1.0000	1.6094	1.9268	2.2742	2.7446	3.4579	4.9168	9.4160	57.7862
3	0.0113	0.0747	0.1479	0.2141	0.2745	0.3361	0.3945	0.7684	1.2367	1.4806	1.7475	2.1090	2.6571	3.7782	7.2355	44.4045
5	0.0106	0.0701	0.1387	0.2008	0.2574	0.3152	0.3699	0.7206	1.1598	1.3884	1.6388	1.9778	2.4918	3.5430	6.7852	41.6411
10	0.0099	0.0656	0.1298	0.1880	0.2410	0.2951	0.3463	0.6747	1.0858	1.2999	1.5343	1.8517	2.3329	3.3171	6.3526	38.9859
15	0.0097	0.0640	0.1265	0.1832	0.2349	0.2876	0.3375	0.6575	1.0582	1.2669	1.4953	1.8046	2.2736	3.2329	6.1912	37.9956
20	0.0096	0.0633	0.1253	0.1815	0.2326	0.2849	0.3343	0.6513	1.0482	1.2549	1.4812	1.7876	2.2521	3.2023	6.1327	37.6366
25	0.0095	0.0629	0.1244	0.1801	0.2309	0.2828	0.3318	0.6464	1.0403	1.2455	1.4700	1.7741	2.2352	3.1782	6.0865	37.3530
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0738	0.4883	0.9659	1.3986	1.7933	2.1961	2.5771	5.0202	8.0797	9.6728	11.4170	13.7786	17.3593	24.6833	47.2707	290.1010
3	0.0300	0.1984	0.3925	0.5683	0.7286	0.8922	1.0470	2.0397	3.2827	3.9300	4.6387	5.5982	7.0530	10.0287	19.2058	117.8663
5	0.0233	0.1542	0.3051	0.4418	0.5664	0.6937	0.8140	1.5857	2.5521	3.0553	3.6063	4.3522	5.4833	7.7967	14.9313	91.6338
10	0.0176	0.1163	0.2301	0.3331	0.4271	0.5231	0.6138	1.1957	1.9244	2.3038	2.7193	3.2817	4.1346	5.8790	11.2587	69.0950
15	0.0156	0.1035	0.2047	0.2964	0.3800	0.4653	0.5461	1.0637	1.7120	2.0496	2.4191	2.9195	3.6783	5.2302	10.0162	61.4695
20	0.0146	0.0968	0.1916	0.2774	0.3556	0.4355	0.5111	0.9956	1.6024	1.9183	2.2642	2.7325	3.4427	4.8952	9.3746	57.5324
25	0.0138	0.0912	0.1803	0.2611	0.3348	0.4100	0.4811	0.9373	1.5085	1.8059	2.1316	2.5725	3.2410	4.6084	8.8255	54.1624
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0238	0.1573	0.3113	0.4507	0.5779	0.7077	0.8305	1.6178	2.6037	3.1171	3.6791	4.4402	5.5941	7.9542	15.2330	93.4853
3	0.0134	0.0888	0.1757	0.2544	0.3262	0.3995	0.4688	0.9132	1.4697	1.7595	2.0768	2.5064	3.1577	4.4900	8.5987	52.7703
5	0.0118	0.0778	0.1540	0.2229	0.2858	0.3500	0.4108	0.8002	1.2879	1.5418	1.8198	2.1962	2.7670	3.9344	7.5347	46.2404
10	0.0105	0.0694	0.1373	0.1988	0.2549	0.3122	0.3663	0.7136	1.1485	1.3750	1.6229	1.9586	2.4676	3.5087	6.7194	41.2370
15	0.0101	0.0665	0.1316	0.1905	0.2443	0.2992	0.3510	0.6839	1.1006	1.3176	1.5552	1.8769	2.3647	3.3624	6.4393	39.5178
20	0.0099	0.0652	0.1290	0.1868	0.2396	0.2934	0.3443	0.6706	1.0793	1.2921	1.5251	1.8406	2.3190	3.2973	6.3147	38.7534
25	0.0097	0.0641	0.1268	0.1836	0.2354	0.2882	0.3382	0.6589	1.0605	1.2696	1.4985	1.8085	2.2785	3.2397	6.2044	38.0764



Table D.2-9. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn Waterwall), Nitrogen Oxides, Uncontrolled

Target Statistic																
Median																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0842	0.3656	0.5506	0.6418	0.7120	0.7657	0.8131	0.9998	0.9915	1.1762	1.2200	1.2674	1.3280	1.4152	1.5642	1.8253
3	0.0851	0.3695	0.5564	0.6486	0.7196	0.7739	0.8218	1.0105	1.0021	1.1888	1.2330	1.2809	1.3422	1.4303	1.5809	1.8448
5	0.0849	0.3685	0.5549	0.6468	0.7176	0.7717	0.8195	1.0077	0.9993	1.1854	1.2295	1.2773	1.3384	1.4263	1.5764	1.8396
10	0.0849	0.3685	0.5548	0.6467	0.7175	0.7716	0.8194	1.0075	0.9992	1.1853	1.2293	1.2771	1.3383	1.4261	1.5762	1.8394
15	0.0850	0.3692	0.5559	0.6479	0.7188	0.7731	0.8210	1.0094	1.0011	1.1875	1.2317	1.2795	1.3408	1.4288	1.5792	1.8428
20	0.0849	0.3688	0.5553	0.6472	0.7180	0.7722	0.8201	1.0084	1.0000	1.1862	1.2303	1.2781	1.3393	1.4273	1.5775	1.8409
25	0.0849	0.3688	0.5553	0.6473	0.7181	0.7723	0.8202	1.0085	1.0001	1.1864	1.2305	1.2783	1.3395	1.4274	1.5777	1.8411
Mean																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0931	0.4042	0.6086	0.7094	0.7870	0.8464	0.8988	1.1052	1.0960	1.3001	1.3485	1.4009	1.4680	1.5643	1.7290	2.0176
3	0.0875	0.3798	0.5719	0.6666	0.7395	0.7953	0.8446	1.0385	1.0299	1.2217	1.2671	1.3163	1.3794	1.4699	1.6246	1.8959
5	0.0863	0.3745	0.5639	0.6573	0.7292	0.7843	0.8329	1.0241	1.0156	1.2047	1.2495	1.2981	1.3602	1.4495	1.6021	1.8696
10	0.0855	0.3714	0.5592	0.6518	0.7231	0.7777	0.8259	1.0155	1.0071	1.1946	1.2391	1.2872	1.3488	1.4374	1.5887	1.8539
15	0.0854	0.3709	0.5585	0.6510	0.7222	0.7768	0.8249	1.0142	1.0058	1.1931	1.2375	1.2856	1.3472	1.4356	1.5867	1.8516
20	0.0852	0.3700	0.5572	0.6494	0.7205	0.7749	0.8229	1.0118	1.0034	1.1903	1.2346	1.2825	1.3439	1.4322	1.5829	1.8472
25	0.0852	0.3700	0.5571	0.6494	0.7205	0.7749	0.8228	1.0118	1.0034	1.1902	1.2345	1.2825	1.3439	1.4321	1.5828	1.8471
95 Percentile																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1531	0.6647	1.0009	1.1666	1.2943	1.3920	1.4782	1.8176	1.8025	2.1382	2.2177	2.3039	2.4142	2.5727	2.8434	3.3182
3	0.1151	0.4997	0.7524	0.8771	0.9730	1.0465	1.1113	1.3664	1.3551	1.6075	1.6673	1.7320	1.8150	1.9341	2.1377	2.4946
5	0.1062	0.4612	0.6945	0.8095	0.8981	0.9659	1.0257	1.2612	1.2508	1.4837	1.5389	1.5987	1.6752	1.7852	1.9731	2.3025
10	0.0988	0.4289	0.6458	0.7527	0.8351	0.8981	0.9538	1.1727	1.1630	1.3796	1.4309	1.4865	1.5577	1.6599	1.8347	2.1410
15	0.0958	0.4158	0.6261	0.7298	0.8096	0.8707	0.9246	1.1369	1.1275	1.3375	1.3872	1.4411	1.5101	1.6093	1.7787	2.0756
20	0.0940	0.4082	0.6146	0.7164	0.7948	0.8547	0.9077	1.1161	1.1068	1.3129	1.3618	1.4147	1.4824	1.5797	1.7460	2.0375
25	0.0932	0.4048	0.6096	0.7106	0.7883	0.8478	0.9003	1.1070	1.0978	1.3023	1.3508	1.4032	1.4704	1.5669	1.7319	2.0210

Table D.2-10. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), PM-Filterable, Duct Sorbent Injection with Fabric Filter  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0002	0.0198	0.0931	0.1856	0.2786	0.3619	0.4538	0.9976	1.3229	1.8481	2.0917	2.4107	2.9107	3.6635	5.3316	9.1482
3	0.0001	0.0163	0.0766	0.1526	0.2291	0.2975	0.3731	0.8202	1.0876	1.5195	1.7197	1.9820	2.3930	3.0120	4.3834	7.5213
5	0.0001	0.0156	0.0736	0.1467	0.2202	0.2860	0.3586	0.7883	1.0453	1.4604	1.6529	1.9049	2.3000	2.8948	4.2130	7.2288
10	0.0001	0.0152	0.0718	0.1431	0.2147	0.2789	0.3497	0.7689	1.0195	1.4244	1.6121	1.8579	2.2432	2.8234	4.1090	7.0505
15	0.0001	0.0152	0.0714	0.1424	0.2137	0.2775	0.3480	0.7651	1.0145	1.4174	1.6042	1.8488	2.2322	2.8096	4.0889	7.0159
20	0.0001	0.0152	0.0714	0.1423	0.2135	0.2773	0.3477	0.7645	1.0137	1.4162	1.6029	1.8474	2.2305	2.8073	4.0856	7.0104
25	0.0001	0.0151	0.0711	0.1417	0.2126	0.2762	0.3463	0.7614	1.0096	1.4105	1.5964	1.8399	2.2214	2.7959	4.0690	6.9819

  

<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0006	0.0729	0.3432	0.6840	1.0266	1.3334	1.6720	3.6759	4.8742	6.8096	7.7071	8.8825	10.7246	13.4983	19.6446	33.7073
3	0.0002	0.0206	0.0970	0.1933	0.2901	0.3768	0.4725	1.0388	1.3775	1.9244	2.1781	2.5102	3.0308	3.8147	5.5516	9.5258
5	0.0002	0.0178	0.0838	0.1671	0.2507	0.3257	0.4084	0.8979	1.1906	1.6633	1.8825	2.1696	2.6196	3.2971	4.7984	8.2333
10	0.0001	0.0162	0.0764	0.1523	0.2285	0.2969	0.3722	0.8184	1.0852	1.5161	1.7159	1.9776	2.3877	3.0052	4.3736	7.5044
15	0.0001	0.0158	0.0743	0.1481	0.2223	0.2887	0.3620	0.7959	1.0554	1.4744	1.6688	1.9233	2.3221	2.9227	4.2535	7.2984
20	0.0001	0.0156	0.0734	0.1462	0.2195	0.2850	0.3574	0.7858	1.0420	1.4557	1.6476	1.8989	2.2927	2.8856	4.1996	7.2058
25	0.0001	0.0154	0.0727	0.1450	0.2176	0.2826	0.3544	0.7791	1.0331	1.4433	1.6336	1.8827	2.2731	2.8610	4.1638	7.1445

  

<b>95 percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0018	0.2022	0.9523	1.8978	2.8483	3.6997	4.6392	10.1992	13.5242	18.8942	21.3844	24.6457	29.7567	37.4528	54.5064	93.5251
3	0.0004	0.0472	0.2225	0.4435	0.6656	0.8646	1.0841	2.3834	3.1604	4.4154	4.9973	5.7594	6.9538	8.7523	12.7375	21.8558
5	0.0003	0.0342	0.1610	0.3210	0.4817	0.6257	0.7846	1.7249	2.2872	3.1954	3.6165	4.1681	5.0324	6.3340	9.2181	15.8169
10	0.0002	0.0256	0.1204	0.2400	0.3602	0.4678	0.5866	1.2896	1.7101	2.3891	2.7040	3.1163	3.7626	4.7358	6.8921	11.8259
15	0.0002	0.0230	0.1081	0.2154	0.3233	0.4200	0.5266	1.1578	1.5353	2.1449	2.4276	2.7978	3.3780	4.2516	6.1876	10.6170
20	0.0002	0.0214	0.1009	0.2011	0.3018	0.3920	0.4916	1.0807	1.4330	2.0020	2.2659	2.6115	3.1530	3.9685	5.7755	9.9099
25	0.0002	0.0206	0.0969	0.1932	0.2899	0.3765	0.4722	1.0380	1.3765	1.9230	2.1765	2.5084	3.0286	3.8119	5.5475	9.5188

Table D.2-11. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), PM-Filterable, Spray Dryer/ESP

Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1112	0.3052	0.4281	0.5149	0.5869	0.6420	0.7021	0.9938	1.1382	1.4016	1.5304	1.7053	1.9404	2.3423	3.3809	6.9597
3	0.1032	0.2831	0.3971	0.4776	0.5444	0.5955	0.6513	0.9219	1.0557	1.3001	1.4195	1.5818	1.7998	2.1726	3.1360	6.4556
5	0.1006	0.2761	0.3874	0.4658	0.5310	0.5809	0.6353	0.8992	1.0298	1.2681	1.3846	1.5429	1.7556	2.1192	3.0589	6.2968
10	0.0994	0.2728	0.3827	0.4602	0.5246	0.5739	0.6276	0.8883	1.0174	1.2528	1.3679	1.5243	1.7344	2.0937	3.0220	6.2210
15	0.0990	0.2717	0.3811	0.4583	0.5224	0.5715	0.6250	0.8846	1.0131	1.2476	1.3622	1.5180	1.7272	2.0849	3.0094	6.1950
20	0.0985	0.2702	0.3791	0.4559	0.5196	0.5684	0.6217	0.8799	1.0077	1.2409	1.3550	1.5099	1.7180	2.0738	2.9934	6.1620
25	0.0983	0.2697	0.3784	0.4550	0.5187	0.5674	0.6206	0.8784	1.0059	1.2387	1.3526	1.5072	1.7149	2.0701	2.9881	6.1510

  

<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1270	0.3486	0.4891	0.5881	0.6704	0.7334	0.8020	1.1352	1.3001	1.6010	1.7481	1.9480	2.2165	2.6756	3.8619	7.9500
3	0.1081	0.2967	0.4162	0.5005	0.5706	0.6242	0.6826	0.9662	1.1065	1.3626	1.4878	1.6579	1.8864	2.2771	3.2868	6.7660
5	0.1036	0.2844	0.3990	0.4798	0.5469	0.5983	0.6543	0.9261	1.0607	1.3061	1.4261	1.5892	1.8082	2.1827	3.1506	6.4856
10	0.1006	0.2760	0.3872	0.4656	0.5308	0.5806	0.6350	0.8988	1.0293	1.2675	1.3840	1.5422	1.7547	2.1182	3.0575	6.2939
15	0.0998	0.2740	0.3843	0.4622	0.5268	0.5763	0.6303	0.8921	1.0217	1.2581	1.3737	1.5308	1.7417	2.1025	3.0348	6.2472
20	0.0992	0.2722	0.3819	0.4592	0.5235	0.5727	0.6263	0.8865	1.0152	1.2502	1.3650	1.5211	1.7307	2.0892	3.0156	6.2078
25	0.0989	0.2715	0.3808	0.4580	0.5221	0.5711	0.6246	0.8840	1.0124	1.2468	1.3613	1.5169	1.7260	2.0835	3.0074	6.1908

  

<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2587	0.7099	0.9958	1.1976	1.3651	1.4933	1.6332	2.3117	2.6474	3.2601	3.5597	3.9666	4.5133	5.4482	7.8640	16.1884
3	0.1711	0.4697	0.6589	0.7924	0.9032	0.9880	1.0806	1.5294	1.7516	2.1570	2.3551	2.6244	2.9861	3.6046	5.2030	10.7105
5	0.1502	0.4122	0.5782	0.6953	0.7926	0.8670	0.9482	1.3421	1.5371	1.8928	2.0667	2.3030	2.6204	3.1632	4.5658	9.3989
10	0.1317	0.3614	0.5070	0.6097	0.6950	0.7603	0.8315	1.1769	1.3478	1.6597	1.8122	2.0194	2.2977	2.7737	4.0035	8.2414
15	0.1249	0.3428	0.4809	0.5783	0.6593	0.7212	0.7887	1.1164	1.2785	1.5744	1.7190	1.9156	2.1796	2.6310	3.7977	7.8177
20	0.1202	0.3299	0.4628	0.5566	0.6345	0.6941	0.7591	1.0744	1.2305	1.5152	1.6544	1.8436	2.0977	2.5322	3.6550	7.5239
25	0.1178	0.3232	0.4533	0.5452	0.6215	0.6798	0.7435	1.0524	1.2052	1.4841	1.6205	1.8058	2.0546	2.4802	3.5800	7.3696

Table D.2-12. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), PM-Filterable, Spray Dryer/Fabric Filter

		Target Statistic														
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0301	0.1105	0.2178	0.2984	0.3753	0.4488	0.5230	0.9849	1.5170	1.8560	2.1734	2.5919	3.2954	4.5313	8.4301	27.3889
3	0.0237	0.0871	0.1717	0.2353	0.2959	0.3538	0.4123	0.7765	1.1961	1.4634	1.7136	2.0436	2.5982	3.5727	6.6467	21.5945
5	0.0224	0.0821	0.1617	0.2215	0.2787	0.3332	0.3883	0.7312	1.1263	1.3781	1.6137	1.9244	2.4467	3.3644	6.2592	20.3356
10	0.0210	0.0770	0.1518	0.2080	0.2616	0.3128	0.3645	0.6864	1.0573	1.2935	1.5148	1.8064	2.2967	3.1581	5.8753	19.0884
15	0.0208	0.0765	0.1508	0.2066	0.2598	0.3107	0.3621	0.6818	1.0503	1.2850	1.5047	1.7944	2.2815	3.1371	5.8364	18.9620
20	0.0206	0.0757	0.1492	0.2044	0.2571	0.3074	0.3583	0.6747	1.0392	1.2714	1.4889	1.7755	2.2574	3.1041	5.7749	18.7623
25	0.0205	0.0753	0.1483	0.2032	0.2556	0.3056	0.3561	0.6707	1.0330	1.2639	1.4800	1.7650	2.2440	3.0857	5.7406	18.6507
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0477	0.1749	0.3447	0.4722	0.5940	0.7103	0.8276	1.5586	2.4008	2.9373	3.4396	4.1019	5.2152	7.1712	13.3414	43.3450
3	0.0280	0.1028	0.2026	0.2776	0.3492	0.4175	0.4865	0.9163	1.4113	1.7267	2.0220	2.4113	3.0658	4.2156	7.8428	25.4806
5	0.0247	0.0907	0.1788	0.2449	0.3080	0.3684	0.4292	0.8083	1.2451	1.5233	1.7839	2.1273	2.7047	3.7191	6.9191	22.4795
10	0.0222	0.0815	0.1606	0.2200	0.2767	0.3309	0.3855	0.7260	1.1183	1.3683	1.6023	1.9108	2.4293	3.3405	6.2147	20.1910
15	0.0215	0.0791	0.1558	0.2135	0.2685	0.3211	0.3742	0.7046	1.0854	1.3279	1.5550	1.8544	2.3577	3.2420	6.0314	19.5957
20	0.0212	0.0777	0.1531	0.2097	0.2638	0.3155	0.3676	0.6922	1.0663	1.3046	1.5277	1.8218	2.3163	3.1850	5.9254	19.2511
25	0.0209	0.0768	0.1513	0.2073	0.2607	0.3118	0.3633	0.6842	1.0538	1.2893	1.5098	1.8005	2.2892	3.1478	5.8562	19.0262
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1415	0.5192	1.0233	1.4019	1.7633	2.1086	2.4571	4.6272	7.1273	8.7202	10.2115	12.1776	15.4827	21.2896	39.6074	128.6814
3	0.0619	0.2270	0.4474	0.6129	0.7710	0.9219	1.0743	2.0232	3.1163	3.8127	4.4648	5.3244	6.7695	9.3084	17.3176	56.2635
5	0.0471	0.1728	0.3406	0.4667	0.5870	0.7019	0.8179	1.5403	2.3725	2.9028	3.3992	4.0537	5.1539	7.0869	13.1845	42.8355
10	0.0367	0.1348	0.2657	0.3640	0.4578	0.5474	0.6379	1.2013	1.8504	2.2639	2.6511	3.1616	4.0196	5.5272	10.2829	33.4083
15	0.0326	0.1196	0.2358	0.3230	0.4063	0.4858	0.5661	1.0662	1.6422	2.0092	2.3528	2.8059	3.5674	4.9053	9.1260	29.6495
20	0.0307	0.1126	0.2219	0.3040	0.3824	0.4572	0.5328	1.0034	1.5455	1.8909	2.2142	2.6406	3.3572	4.6164	8.5884	27.9030
25	0.0290	0.1066	0.2100	0.2877	0.3619	0.4328	0.5043	0.9497	1.4628	1.7897	2.0958	2.4993	3.1776	4.3694	8.1289	26.4101

Table D.2-13. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), PM-Filterable, Uncontrolled  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1183	0.3213	0.4509	0.5382	0.6066	0.6703	0.7247	1.0001	1.1380	1.4078	1.5376	1.6790	1.8957	2.2464	3.1474	7.3090
3	0.1085	0.2948	0.4138	0.4938	0.5566	0.6150	0.6650	0.9176	1.0441	1.2917	1.4108	1.5405	1.7393	2.0611	2.8878	6.7062
5	0.1065	0.2894	0.4062	0.4848	0.5464	0.6037	0.6528	0.9008	1.0250	1.2680	1.3850	1.5123	1.7075	2.0234	2.8349	6.5834
10	0.1055	0.2865	0.4021	0.4799	0.5409	0.5977	0.6462	0.8917	1.0147	1.2552	1.3710	1.4971	1.6902	2.0029	2.8063	6.5170
15	0.1053	0.2859	0.4013	0.4789	0.5398	0.5965	0.6449	0.8899	1.0126	1.2527	1.3682	1.4941	1.6869	1.9989	2.8007	6.5039
20	0.1047	0.2845	0.3993	0.4765	0.5371	0.5935	0.6417	0.8854	1.0076	1.2464	1.3614	1.4866	1.6784	1.9889	2.7866	6.4713
25	0.1045	0.2838	0.3984	0.4755	0.5359	0.5921	0.6402	0.8835	1.0053	1.2436	1.3583	1.4832	1.6746	1.9845	2.7804	6.4568

  

<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1319	0.3583	0.5029	0.6002	0.6765	0.7475	0.8082	1.1153	1.2691	1.5699	1.7148	1.8725	2.1141	2.5052	3.5100	8.1511
3	0.1132	0.3074	0.4315	0.5150	0.5804	0.6413	0.6934	0.9568	1.0888	1.3469	1.4712	1.6064	1.8137	2.1493	3.0113	6.9931
5	0.1095	0.2973	0.4173	0.4980	0.5613	0.6202	0.6706	0.9254	1.0530	1.3026	1.4227	1.5536	1.7540	2.0786	2.9122	6.7630
10	0.1069	0.2903	0.4074	0.4863	0.5481	0.6056	0.6548	0.9036	1.0282	1.2720	1.3893	1.5171	1.7128	2.0297	2.8438	6.6040
15	0.1061	0.2882	0.4044	0.4827	0.5441	0.6012	0.6500	0.8969	1.0206	1.2626	1.3790	1.5058	1.7001	2.0147	2.8228	6.5552
20	0.1053	0.2860	0.4014	0.4791	0.5400	0.5966	0.6451	0.8902	1.0130	1.2531	1.3687	1.4945	1.6874	1.9996	2.8016	6.5060
25	0.1049	0.2848	0.3998	0.4771	0.5378	0.5942	0.6425	0.8865	1.0088	1.2480	1.3631	1.4884	1.6805	1.9914	2.7901	6.4793

  

<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2604	0.7074	0.9928	1.1850	1.3356	1.4757	1.5956	2.2018	2.5055	3.0994	3.3853	3.6966	4.1736	4.9457	6.9294	16.0919
3	0.1751	0.4757	0.6676	0.7969	0.8982	0.9924	1.0730	1.4807	1.6849	2.0843	2.2765	2.4859	2.8066	3.3259	4.6599	10.8215
5	0.1553	0.4217	0.5919	0.7065	0.7963	0.8798	0.9513	1.3127	1.4937	1.8478	2.0183	2.2039	2.4882	2.9486	4.1312	9.5938
10	0.1378	0.3742	0.5253	0.6269	0.7066	0.7808	0.8442	1.1649	1.3256	1.6398	1.7910	1.9557	2.2081	2.6166	3.6661	8.5137
15	0.1309	0.3555	0.4989	0.5955	0.6712	0.7416	0.8018	1.1064	1.2590	1.5575	1.7011	1.8576	2.0973	2.4853	3.4821	8.0863
20	0.1262	0.3429	0.4813	0.5744	0.6474	0.7154	0.7734	1.0673	1.2145	1.5024	1.6410	1.7919	2.0231	2.3974	3.3590	7.8004
25	0.1234	0.3353	0.4705	0.5616	0.6330	0.6994	0.7562	1.0435	1.1875	1.4689	1.6044	1.7520	1.9781	2.3440	3.2842	7.6267

Table D.2-14. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (Mass Burn), PM-Filterable, ESP  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0252	0.1022	0.2039	0.2898	0.3616	0.4432	0.5228	1.0161	1.6159	1.9437	2.2929	2.7834	3.4774	5.0269	9.5595	27.8058
3	0.0194	0.0784	0.1564	0.2223	0.2774	0.3400	0.4010	0.7795	1.2395	1.4910	1.7588	2.1351	2.6675	3.8560	7.3328	21.3291
5	0.0179	0.0725	0.1446	0.2054	0.2563	0.3142	0.3706	0.7203	1.1455	1.3779	1.6254	1.9731	2.4651	3.5634	6.7764	19.7107
10	0.0168	0.0681	0.1358	0.1929	0.2408	0.2951	0.3481	0.6766	1.0760	1.2943	1.5268	1.8534	2.3155	3.3472	6.3653	18.5149
15	0.0165	0.0667	0.1330	0.1891	0.2359	0.2892	0.3411	0.6629	1.0542	1.2681	1.4959	1.8159	2.2687	3.2796	6.2368	18.1409
20	0.0163	0.0658	0.1313	0.1865	0.2327	0.2853	0.3365	0.6541	1.0401	1.2511	1.4759	1.7916	2.2383	3.2356	6.1531	17.8976
25	0.0162	0.0655	0.1307	0.1858	0.2318	0.2841	0.3351	0.6514	1.0359	1.2461	1.4699	1.7843	2.2293	3.2226	6.1283	17.8255

  

<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0410	0.1661	0.3314	0.4709	0.5876	0.7202	0.8495	1.6512	2.6258	3.1585	3.7260	4.5229	5.6508	8.1686	15.5340	45.1840
3	0.0230	0.0930	0.1856	0.2637	0.3291	0.4034	0.4758	0.9249	1.4707	1.7691	2.0869	2.5333	3.1650	4.5753	8.7007	25.3078
5	0.0200	0.0809	0.1615	0.2295	0.2864	0.3510	0.4140	0.8048	1.2798	1.5394	1.8160	2.2044	2.7541	3.9813	7.5711	22.0222
10	0.0177	0.0718	0.1433	0.2036	0.2541	0.3114	0.3673	0.7140	1.1354	1.3658	1.6112	1.9558	2.4435	3.5323	6.7172	19.5383
15	0.0171	0.0692	0.1380	0.1961	0.2446	0.2999	0.3537	0.6875	1.0933	1.3152	1.5514	1.8833	2.3529	3.4013	6.4681	18.8137
20	0.0167	0.0677	0.1352	0.1921	0.2396	0.2938	0.3465	0.6735	1.0710	1.2883	1.5197	1.8448	2.3048	3.3318	6.3359	18.4294
25	0.0165	0.0669	0.1335	0.1897	0.2368	0.2902	0.3423	0.6654	1.0581	1.2728	1.5014	1.8226	2.2771	3.2917	6.2596	18.2074

  

<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1258	0.5094	1.0163	1.4442	1.8021	2.2090	2.6055	5.0644	8.0535	9.6875	11.4278	13.8722	17.3314	25.0538	47.6440	138.5824
3	0.0509	0.2062	0.4113	0.5845	0.7293	0.8940	1.0544	2.0496	3.2593	3.9206	4.6249	5.6142	7.0141	10.1394	19.2818	56.0852
5	0.0396	0.1605	0.3202	0.4550	0.5678	0.6960	0.8209	1.5956	2.5374	3.0522	3.6005	4.3707	5.4606	7.8937	15.0112	43.6632
10	0.0295	0.1195	0.2384	0.3387	0.4227	0.5181	0.6111	1.1878	1.8889	2.2721	2.6802	3.2536	4.0649	5.8761	11.1743	32.5029
15	0.0267	0.1080	0.2155	0.3062	0.3820	0.4683	0.5523	1.0736	1.7073	2.0536	2.4226	2.9407	3.6741	5.3111	10.1000	29.3779
20	0.0248	0.1002	0.2000	0.2842	0.3546	0.4347	0.5127	0.9965	1.5847	1.9062	2.2487	2.7297	3.4103	4.9299	9.3750	27.2692
25	0.0233	0.0945	0.1885	0.2678	0.3342	0.4097	0.4832	0.9392	1.4935	1.7965	2.1193	2.5726	3.2141	4.6462	8.8355	25.6999

Table D.2-15. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (RDF), PM-Filterable, ESP  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0066	0.0404	0.1033	0.1666	0.2358	0.3041	0.3852	0.9640	2.2646	2.2673	2.8586	3.6867	5.1658	8.3250	19.9404	172.5154
3	0.0044	0.0272	0.0696	0.1123	0.1589	0.2049	0.2596	0.6496	1.5262	1.5280	1.9265	2.4846	3.4814	5.6104	13.4384	116.2625
5	0.0039	0.0240	0.0613	0.0989	0.1400	0.1805	0.2287	0.5722	1.3444	1.3460	1.6970	2.1886	3.0667	4.9421	11.8375	102.4130
10	0.0035	0.0214	0.0548	0.0884	0.1251	0.1613	0.2044	0.5114	1.2015	1.2029	1.5166	1.9559	2.7407	4.4167	10.5791	91.5257
15	0.0033	0.0204	0.0522	0.0842	0.1192	0.1537	0.1947	0.4872	1.1445	1.1458	1.4446	1.8632	2.6106	4.2072	10.0773	87.1837
20	0.0033	0.0200	0.0512	0.0827	0.1170	0.1508	0.1911	0.4782	1.1233	1.1246	1.4179	1.8287	2.5624	4.1295	9.8911	85.5734
25	0.0032	0.0196	0.0502	0.0810	0.1147	0.1479	0.1873	0.4688	1.1014	1.1027	1.3903	1.7930	2.5124	4.0488	9.6980	83.9025

  

<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0177	0.1089	0.2785	0.4492	0.6358	0.8199	1.0385	2.5989	6.1057	6.1129	7.7071	9.9399	13.9277	22.4452	53.7618	465.1220
3	0.0062	0.0380	0.0972	0.1567	0.2218	0.2860	0.3623	0.9066	2.1300	2.1324	2.6886	3.4675	4.8586	7.8299	18.7546	162.2562
5	0.0049	0.0301	0.0771	0.1243	0.1760	0.2269	0.2874	0.7193	1.6899	1.6919	2.1331	2.7511	3.8548	6.2122	14.8797	128.7324
10	0.0039	0.0242	0.0619	0.0999	0.1413	0.1823	0.2309	0.5778	1.3574	1.3590	1.7134	2.2098	3.0963	4.9899	11.9520	103.4034
15	0.0036	0.0222	0.0569	0.0918	0.1299	0.1675	0.2122	0.5311	1.2476	1.2491	1.5748	2.0311	2.8459	4.5863	10.9854	95.0408
20	0.0034	0.0212	0.0542	0.0875	0.1238	0.1596	0.2022	0.5060	1.1888	1.1902	1.5006	1.9354	2.7119	4.3703	10.4679	90.5637
25	0.0033	0.0206	0.0527	0.0851	0.1204	0.1552	0.1966	0.4921	1.1560	1.1574	1.4592	1.8820	2.6370	4.2496	10.1789	88.0632

  

<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0677	0.4170	1.0664	1.7202	2.4346	3.1396	3.9767	9.9519	23.3801	23.4074	29.5119	38.0619	53.3319	85.9471	205.8647	1781.0464
3	0.0171	0.1055	0.2698	0.4352	0.6160	0.7943	1.0061	2.5178	5.9152	5.9221	7.4666	9.6297	13.4931	21.7447	52.0841	450.6075
5	0.0117	0.0724	0.1851	0.2986	0.4226	0.5450	0.6902	1.7274	4.0582	4.0629	5.1225	6.6065	9.2570	14.9181	35.7325	309.1414
10	0.0080	0.0491	0.1257	0.2028	0.2870	0.3701	0.4687	1.1730	2.7559	2.7591	3.4786	4.4864	6.2863	10.1307	24.2656	209.9349
15	0.0067	0.0413	0.1055	0.1703	0.2410	0.3107	0.3936	0.9850	2.3140	2.3167	2.9209	3.7671	5.2785	8.5065	20.3753	176.2777
20	0.0060	0.0369	0.0943	0.1522	0.2154	0.2777	0.3518	0.8804	2.0683	2.0707	2.6107	3.3671	4.7180	7.6032	18.2117	157.5590
25	0.0056	0.0344	0.0879	0.1418	0.2006	0.2587	0.3277	0.8201	1.9267	1.9289	2.4320	3.1366	4.3949	7.0827	16.9648	146.7713

Table D.2-16. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion (RDF), PM-Filterable, Uncontrolled  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2387	0.4346	0.5484	0.6212	0.6764	0.7262	0.7733	0.9957	1.0657	1.2770	1.3582	1.4614	1.6012	1.8289	2.2558	3.7806
3	0.2283	0.4157	0.5245	0.5941	0.6469	0.6946	0.7396	0.9524	1.0193	1.2214	1.2990	1.3978	1.5314	1.7493	2.1576	3.6160
5	0.2279	0.4150	0.5237	0.5932	0.6458	0.6934	0.7384	0.9508	1.0176	1.2194	1.2969	1.3955	1.5289	1.7464	2.1540	3.6100
10	0.2257	0.4111	0.5187	0.5875	0.6397	0.6869	0.7314	0.9418	1.0079	1.2078	1.2846	1.3822	1.5144	1.7298	2.1336	3.5757
15	0.2246	0.4090	0.5160	0.5845	0.6364	0.6833	0.7277	0.9370	1.0028	1.2017	1.2780	1.3752	1.5066	1.7210	2.1227	3.5575
20	0.2248	0.4094	0.5165	0.5851	0.6371	0.6840	0.7284	0.9379	1.0038	1.2029	1.2793	1.3765	1.5082	1.7227	2.1248	3.5610
25	0.2246	0.4091	0.5162	0.5847	0.6366	0.6835	0.7279	0.9372	1.0030	1.2020	1.2783	1.3755	1.5070	1.7214	2.1232	3.5584

  

<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2556	0.4655	0.5873	0.6652	0.7243	0.7777	0.8282	1.0663	1.1412	1.3676	1.4545	1.5650	1.7147	1.9586	2.4157	4.0486
3	0.2337	0.4256	0.5369	0.6082	0.6622	0.7110	0.7572	0.9749	1.0434	1.2503	1.3298	1.4309	1.5677	1.7907	2.2086	3.7015
5	0.2309	0.4205	0.5305	0.6010	0.6543	0.7026	0.7482	0.9633	1.0310	1.2355	1.3140	1.4138	1.5490	1.7694	2.1824	3.6575
10	0.2271	0.4136	0.5219	0.5912	0.6437	0.6911	0.7360	0.9476	1.0142	1.2153	1.2926	1.3908	1.5238	1.7406	2.1468	3.5980
15	0.2256	0.4108	0.5184	0.5872	0.6393	0.6864	0.7310	0.9412	1.0073	1.2071	1.2838	1.3814	1.5135	1.7288	2.1323	3.5736
20	0.2257	0.4109	0.5185	0.5873	0.6395	0.6866	0.7311	0.9414	1.0075	1.2074	1.2841	1.3817	1.5138	1.7291	2.1327	3.5743
25	0.2252	0.4100	0.5173	0.5860	0.6380	0.6851	0.7295	0.9393	1.0053	1.2047	1.2812	1.3786	1.5104	1.7253	2.1280	3.5664

  

<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.4338	0.7900	0.9967	1.1290	1.2293	1.3199	1.4056	1.8098	1.9369	2.3211	2.4685	2.6562	2.9102	3.3241	4.1000	6.8714
3	0.3253	0.5924	0.7474	0.8466	0.9218	0.9897	1.0539	1.3571	1.4524	1.7404	1.8510	1.9917	2.1822	2.4926	3.0744	5.1524
5	0.2985	0.5436	0.6858	0.7768	0.8458	0.9082	0.9671	1.2453	1.3327	1.5970	1.6985	1.8276	2.0024	2.2872	2.8211	4.7279
10	0.2735	0.4981	0.6284	0.7119	0.7751	0.8322	0.8862	1.1411	1.2212	1.4634	1.5564	1.6747	1.8349	2.0959	2.5851	4.3324
15	0.2630	0.4789	0.6042	0.6844	0.7452	0.8001	0.8520	1.0971	1.1742	1.4070	1.4964	1.6102	1.7641	2.0151	2.4854	4.1654
20	0.2586	0.4708	0.5941	0.6729	0.7327	0.7867	0.8377	1.0787	1.1544	1.3834	1.4713	1.5831	1.7345	1.9812	2.4437	4.0955
25	0.2543	0.4631	0.5843	0.6619	0.7207	0.7738	0.8240	1.0610	1.1355	1.3607	1.4472	1.5572	1.7061	1.9488	2.4037	4.0284



Table D.2-17. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Refuse Combustion, Sulfur Dioxide, Uncontrolled

		Target Statistic														
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0137	0.1371	0.2796	0.4050	0.4969	0.5721	0.6391	0.9905	1.0469	1.3901	1.4908	1.6125	1.7679	1.9881	2.4670	3.1594
3	0.0133	0.1326	0.2705	0.3918	0.4807	0.5534	0.6182	0.9582	1.0128	1.3448	1.4423	1.5600	1.7103	1.9233	2.3866	3.0565
5	0.0132	0.1319	0.2690	0.3896	0.4781	0.5504	0.6148	0.9529	1.0072	1.3374	1.4343	1.5514	1.7009	1.9127	2.3734	3.0396
10	0.0132	0.1314	0.2681	0.3884	0.4766	0.5486	0.6129	0.9499	1.0040	1.3331	1.4298	1.5465	1.6955	1.9067	2.3659	3.0300
15	0.0132	0.1314	0.2680	0.3883	0.4764	0.5485	0.6127	0.9496	1.0038	1.3328	1.4294	1.5461	1.6950	1.9062	2.3653	3.0292
20	0.0131	0.1312	0.2676	0.3876	0.4756	0.5475	0.6116	0.9479	1.0020	1.3304	1.4268	1.5433	1.6920	1.9028	2.3611	3.0238
25	0.0131	0.1313	0.2678	0.3879	0.4759	0.5479	0.6121	0.9486	1.0027	1.3314	1.4279	1.5444	1.6933	1.9042	2.3628	3.0260
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0193	0.1926	0.3929	0.5692	0.6984	0.8040	0.8981	1.3920	1.4714	1.9537	2.0953	2.2663	2.4847	2.7942	3.4672	4.4403
3	0.0145	0.1444	0.2946	0.4268	0.5237	0.6029	0.6735	1.0439	1.1034	1.4650	1.5712	1.6995	1.8632	2.0953	2.6000	3.3298
5	0.0138	0.1377	0.2809	0.4069	0.4993	0.5748	0.6421	0.9952	1.0519	1.3967	1.4979	1.6202	1.7763	1.9976	2.4787	3.1744
10	0.0135	0.1344	0.2741	0.3970	0.4871	0.5608	0.6265	0.9709	1.0263	1.3627	1.4614	1.5807	1.7331	1.9489	2.4184	3.0972
15	0.0133	0.1333	0.2718	0.3938	0.4832	0.5563	0.6214	0.9631	1.0180	1.3517	1.4496	1.5680	1.7191	1.9332	2.3988	3.0721
20	0.0133	0.1324	0.2701	0.3913	0.4801	0.5527	0.6174	0.9570	1.0115	1.3431	1.4404	1.5580	1.7081	1.9209	2.3836	3.0526
25	0.0133	0.1323	0.2699	0.3909	0.4797	0.5522	0.6169	0.9561	1.0105	1.3418	1.4390	1.5565	1.7065	1.9191	2.3813	3.0497
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0506	0.5053	1.0307	1.4931	1.8320	2.1092	2.3561	3.6517	3.8598	5.1250	5.4964	5.9451	6.5180	7.3298	9.0953	11.6483
3	0.0241	0.2404	0.4905	0.7105	0.8717	1.0036	1.1211	1.7376	1.8366	2.4386	2.6154	2.8289	3.1015	3.4878	4.3279	5.5426
5	0.0200	0.2001	0.4082	0.5914	0.7256	0.8354	0.9332	1.4463	1.5287	2.0299	2.1770	2.3547	2.5816	2.9031	3.6024	4.6135
10	0.0176	0.1755	0.3579	0.5185	0.6362	0.7324	0.8182	1.2681	1.3404	1.7798	1.9087	2.0646	2.2635	2.5454	3.1585	4.0451
15	0.0166	0.1654	0.3374	0.4887	0.5997	0.6904	0.7712	1.1953	1.2634	1.6775	1.7991	1.9459	2.1335	2.3992	2.9771	3.8127
20	0.0160	0.1593	0.3250	0.4708	0.5777	0.6651	0.7430	1.1515	1.2171	1.6161	1.7332	1.8747	2.0554	2.3114	2.8681	3.6731
25	0.0156	0.1561	0.3184	0.4613	0.5660	0.6516	0.7279	1.1282	1.1925	1.5833	1.6981	1.8367	2.0137	2.2645	2.8099	3.5987

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## **Appendix D.3**

# **Waferboard/Oriented Strandboard Manufacturing**

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Table D.3-1. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: OSB, Hot Press, PM-Filterable, Uncontrolled  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0263	0.1078	0.2112	0.2974	0.3726	0.4461	0.5274	1.0159	1.6331	1.9687	2.3181	2.8021	3.5649	5.0544	9.7950	27.9703
3	0.0197	0.0806	0.1579	0.2224	0.2786	0.3335	0.3942	0.7594	1.2208	1.4717	1.7329	2.0947	2.6649	3.7784	7.3222	20.9088
5	0.0183	0.0750	0.1468	0.2068	0.2591	0.3101	0.3666	0.7062	1.1353	1.3686	1.6115	1.9480	2.4783	3.5138	6.8095	19.4448
10	0.0175	0.0718	0.1407	0.1982	0.2483	0.2972	0.3514	0.6769	1.0882	1.3118	1.5446	1.8671	2.3754	3.3679	6.5267	18.6374
15	0.0170	0.0696	0.1363	0.1920	0.2405	0.2879	0.3403	0.6556	1.0540	1.2705	1.4960	1.8083	2.3007	3.2619	6.3213	18.0509
20	0.0167	0.0685	0.1342	0.1891	0.2369	0.2835	0.3352	0.6457	1.0381	1.2513	1.4734	1.7811	2.2660	3.2127	6.2260	17.7787
25	0.0167	0.0683	0.1338	0.1884	0.2361	0.2826	0.3341	0.6436	1.0346	1.2472	1.4686	1.7752	2.2585	3.2021	6.2055	17.7200
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0416	0.1706	0.3342	0.4708	0.5898	0.7060	0.8346	1.6077	2.5847	3.1157	3.6687	4.4347	5.6420	7.9994	15.5020	44.2669
3	0.0235	0.0966	0.1892	0.2664	0.3338	0.3995	0.4723	0.9099	1.4627	1.7633	2.0762	2.5097	3.1930	4.5270	8.7730	25.0518
5	0.0205	0.0842	0.1650	0.2323	0.2911	0.3484	0.4119	0.7934	1.2755	1.5376	1.8105	2.1885	2.7844	3.9477	7.6503	21.8459
10	0.0185	0.0760	0.1488	0.2096	0.2626	0.3144	0.3717	0.7160	1.1510	1.3875	1.6338	1.9749	2.5126	3.5623	6.9035	19.7133
15	0.0176	0.0722	0.1414	0.1991	0.2495	0.2987	0.3531	0.6801	1.0934	1.3180	1.5519	1.8760	2.3867	3.3839	6.5577	18.7258
20	0.0172	0.0706	0.1382	0.1946	0.2438	0.2919	0.3451	0.6647	1.0686	1.2881	1.5168	1.8334	2.3326	3.3072	6.4090	18.3013
25	0.0170	0.0697	0.1365	0.1922	0.2408	0.2883	0.3408	0.6566	1.0555	1.2724	1.4982	1.8110	2.3040	3.2667	6.3306	18.0773
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1243	0.5098	0.9985	1.4063	1.7618	2.1091	2.4933	4.8029	7.7212	9.3077	10.9597	13.2479	16.8547	23.8968	46.3099	132.2405
3	0.0532	0.2182	0.4275	0.6020	0.7542	0.9029	1.0674	2.0561	3.3054	3.9845	4.6917	5.6713	7.2153	10.2300	19.8248	56.6109
5	0.0409	0.1677	0.3285	0.4626	0.5796	0.6938	0.8202	1.5800	2.5401	3.0620	3.6055	4.3582	5.5448	7.8615	15.2349	43.5040
10	0.0308	0.1265	0.2477	0.3489	0.4371	0.5232	0.6185	1.1914	1.9154	2.3089	2.7187	3.2864	4.1811	5.9280	11.4880	32.8046
15	0.0272	0.1116	0.2185	0.3077	0.3855	0.4615	0.5456	1.0510	1.6896	2.0368	2.3983	2.8990	3.6882	5.2292	10.1338	28.9376
20	0.0254	0.1041	0.2038	0.2870	0.3596	0.4305	0.5089	0.9803	1.5760	1.8998	2.2370	2.7041	3.4403	4.8776	9.4524	26.9919
25	0.0240	0.0984	0.1927	0.2714	0.3400	0.4071	0.4812	0.9270	1.4902	1.7964	2.1152	2.5568	3.2530	4.6121	8.9378	25.5225

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## **Appendix D.4**

### **Hot Mix Asphalt Plants**

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Table D.4-1. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Hot Mix Asphalt (Drum Mix), Benzene, Fabric Filter

		Target Statistic														
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0644	0.1679	0.2835	0.3707	0.4473	0.5195	0.5940	1.0024	1.3305	1.6715	1.8950	2.1980	2.6187	3.4511	5.8536	23.7567
3	0.0548	0.1429	0.2413	0.3155	0.3807	0.4421	0.5055	0.8530	1.1323	1.4225	1.6126	1.8705	2.2285	2.9369	4.9815	20.2171
5	0.0524	0.1367	0.2309	0.3019	0.3642	0.4230	0.4836	0.8162	1.0833	1.3610	1.5429	1.7896	2.1322	2.8100	4.7661	19.3431
10	0.0505	0.1318	0.2226	0.2910	0.3511	0.4078	0.4662	0.7868	1.0443	1.3120	1.4874	1.7253	2.0555	2.7089	4.5947	18.6473
15	0.0498	0.1300	0.2195	0.2870	0.3463	0.4022	0.4599	0.7761	1.0301	1.2941	1.4671	1.7017	2.0274	2.6719	4.5320	18.3930
20	0.0493	0.1285	0.2169	0.2836	0.3422	0.3974	0.4544	0.7669	1.0179	1.2788	1.4498	1.6816	2.0034	2.6403	4.4783	18.1752
25	0.0494	0.1289	0.2176	0.2845	0.3434	0.3987	0.4559	0.7694	1.0212	1.2830	1.4545	1.6870	2.0099	2.6489	4.4929	18.2343
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.2272	0.5926	1.0008	1.3085	1.5789	1.8335	2.0965	3.5379	4.6960	5.8996	6.6883	7.7578	9.2425	12.1808	20.6602	83.8491
3	0.1190	0.3103	0.5240	0.6852	0.8268	0.9601	1.0978	1.8525	2.4589	3.0892	3.5022	4.0622	4.8396	6.3782	10.8182	43.9055
5	0.0951	0.2481	0.4190	0.5479	0.6611	0.7677	0.8778	1.4813	1.9662	2.4702	2.8004	3.2482	3.8699	5.1001	8.6505	35.1078
10	0.0777	0.2026	0.3421	0.4473	0.5397	0.6268	0.7167	1.2094	1.6053	2.0167	2.2864	2.6520	3.1595	4.1639	7.0626	28.6633
15	0.0713	0.1859	0.3139	0.4104	0.4952	0.5751	0.6576	1.1097	1.4730	1.8505	2.0979	2.4333	2.8991	3.8207	6.4804	26.3006
20	0.0675	0.1761	0.2974	0.3888	0.4692	0.5448	0.6230	1.0513	1.3954	1.7531	1.9874	2.3052	2.7464	3.6195	6.1392	24.9157
25	0.0648	0.1690	0.2854	0.3731	0.4502	0.5228	0.5978	1.0089	1.3391	1.6824	1.9073	2.2123	2.6357	3.4736	5.8916	23.9110
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0871	0.2272	0.3836	0.5016	0.6052	0.7028	0.8036	1.3561	1.8000	2.2614	2.5637	2.9737	3.5428	4.6690	7.9193	32.1404
3	0.0611	0.1594	0.2692	0.3519	0.4246	0.4931	0.5638	0.9515	1.2630	1.5867	1.7988	2.0865	2.4858	3.2760	5.5566	22.5514
5	0.0557	0.1454	0.2455	0.3210	0.3873	0.4498	0.5143	0.8679	1.1520	1.4473	1.6408	1.9031	2.2673	2.9881	5.0683	20.5695
10	0.0523	0.1363	0.2302	0.3010	0.3632	0.4218	0.4823	0.8139	1.0803	1.3571	1.5386	1.7846	2.1262	2.8021	4.7527	19.2888
15	0.0509	0.1327	0.2241	0.2929	0.3535	0.4105	0.4694	0.7921	1.0514	1.3208	1.4974	1.7369	2.0693	2.7271	4.6255	18.7726
20	0.0501	0.1308	0.2209	0.2888	0.3484	0.4046	0.4627	0.7808	1.0364	1.3020	1.4761	1.7121	2.0397	2.6882	4.5595	18.5047
25	0.0498	0.1300	0.2195	0.2870	0.3463	0.4022	0.4598	0.7760	1.0300	1.2940	1.4670	1.7016	2.0273	2.6717	4.5316	18.3915

Table D.4-2. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Hot Mix Asphalt (Drum Mix), Formaldehyde, Fabric Filter  
Target Statistic

Median	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
<b>Median</b>																
1	0.0210	0.0935	0.1973	0.2779	0.3559	0.4301	0.5036	1.0034	1.6507	1.9433	2.3044	2.8298	3.6402	5.2014	10.2228	54.1039
3	0.0159	0.0707	0.1491	0.2100	0.2690	0.3250	0.3806	0.7583	1.2475	1.4686	1.7415	2.1386	2.7511	3.9309	7.7257	40.8882
5	0.0148	0.0658	0.1389	0.1957	0.2506	0.3029	0.3546	0.7066	1.1624	1.3685	1.6228	1.9928	2.5635	3.6629	7.1990	38.1006
10	0.0138	0.0616	0.1301	0.1832	0.2346	0.2835	0.3319	0.6614	1.0881	1.2810	1.5190	1.8653	2.3995	3.4286	6.7385	35.6634
15	0.0136	0.0603	0.1273	0.1793	0.2296	0.2775	0.3249	0.6474	1.0650	1.2538	1.4868	1.8258	2.3487	3.3560	6.5958	34.9079
20	0.0135	0.0599	0.1264	0.1781	0.2280	0.2755	0.3226	0.6428	1.0575	1.2450	1.4763	1.8129	2.3321	3.3323	6.5493	34.6621
25	0.0133	0.0591	0.1248	0.1758	0.2251	0.2720	0.3185	0.6347	1.0441	1.2292	1.4576	1.7900	2.3026	3.2901	6.4664	34.2231
<b>Mean</b>																
1	0.0351	0.1563	0.3298	0.4645	0.5949	0.7188	0.8417	1.6770	2.7590	3.2481	3.8516	4.7298	6.0844	8.6938	17.0866	90.4302
3	0.0192	0.0854	0.1803	0.2540	0.3252	0.3930	0.4602	0.9169	1.5085	1.7758	2.1058	2.5859	3.3265	4.7532	9.3418	49.4413
5	0.0166	0.0741	0.1563	0.2202	0.2820	0.3408	0.3990	0.7951	1.3080	1.5399	1.8260	2.2423	2.8845	4.1215	8.1004	42.8711
10	0.0147	0.0655	0.1382	0.1946	0.2492	0.3012	0.3527	0.7027	1.1560	1.3610	1.6139	1.9818	2.5494	3.6427	7.1594	37.8907
15	0.0141	0.0628	0.1325	0.1866	0.2389	0.2887	0.3381	0.6736	1.1082	1.3046	1.5470	1.8997	2.4438	3.4919	6.8629	36.3215
20	0.0138	0.0615	0.1297	0.1827	0.2340	0.2827	0.3310	0.6596	1.0851	1.2775	1.5148	1.8602	2.3930	3.4192	6.7201	35.5660
25	0.0136	0.0604	0.1275	0.1796	0.2300	0.2779	0.3255	0.6484	1.0668	1.2559	1.4893	1.8288	2.3526	3.3615	6.6066	34.9654
<b>95 Percentile</b>																
1	0.1076	0.4791	1.0110	1.4242	1.8237	2.2038	2.5804	5.1414	8.4584	9.9577	11.8081	14.5003	18.6530	26.6527	52.3828	277.2345
3	0.0439	0.1952	0.4120	0.5803	0.7431	0.8980	1.0515	2.0950	3.4466	4.0575	4.8115	5.9085	7.6007	10.8604	21.3448	112.9666
5	0.0336	0.1494	0.3153	0.4441	0.5686	0.6872	0.8046	1.6031	2.6374	3.1049	3.6819	4.5214	5.8162	8.3106	16.3335	86.4448
10	0.0251	0.1119	0.2361	0.3325	0.4258	0.5145	0.6025	1.2004	1.9749	2.3250	2.7570	3.3856	4.3551	6.2229	12.2304	64.7293
15	0.0222	0.0990	0.2090	0.2944	0.3770	0.4555	0.5334	1.0627	1.7484	2.0583	2.4408	2.9973	3.8556	5.5092	10.8277	57.3052
20	0.0207	0.0920	0.1942	0.2736	0.3503	0.4234	0.4957	0.9877	1.6249	1.9130	2.2684	2.7856	3.5834	5.1202	10.0631	53.2587
25	0.0197	0.0876	0.1849	0.2605	0.3336	0.4031	0.4720	0.9405	1.5472	1.8215	2.1599	2.6524	3.4120	4.8753	9.5819	50.7120

Table D.4-3. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Hot Mix Asphalt (Drum Mix), PM-Condensable (Inorganic), Wet Scrubber, Fabric Filter  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0419	0.1526	0.2595	0.3506	0.4248	0.5001	0.5786	1.0202	1.4156	1.7536	2.0272	2.3625	2.9008	3.9566	6.6381	18.4364
3	0.0342	0.1245	0.2118	0.2862	0.3467	0.4082	0.4722	0.8327	1.1554	1.4313	1.6545	1.9282	2.3675	3.2292	5.4178	15.0472
5	0.0325	0.1184	0.2013	0.2720	0.3295	0.3880	0.4488	0.7915	1.0982	1.3604	1.5726	1.8328	2.2504	3.0695	5.1497	14.3027
10	0.0309	0.1128	0.1918	0.2592	0.3140	0.3697	0.4276	0.7541	1.0464	1.2962	1.4984	1.7463	2.1441	2.9246	4.9066	13.6276
15	0.0306	0.1117	0.1899	0.2566	0.3109	0.3660	0.4234	0.7467	1.0361	1.2835	1.4836	1.7291	2.1230	2.8958	4.8583	13.4932
20	0.0305	0.1110	0.1888	0.2551	0.3091	0.3639	0.4210	0.7424	1.0301	1.2761	1.4751	1.7192	2.1109	2.8792	4.8304	13.4160
25	0.0302	0.1100	0.1870	0.2527	0.3062	0.3605	0.4170	0.7354	1.0204	1.2641	1.4613	1.7030	2.0910	2.8521	4.7850	13.2896

  

<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0582	0.2121	0.3607	0.4874	0.5904	0.6952	0.8042	1.4181	1.9677	2.4376	2.8178	3.2839	4.0321	5.4997	9.2269	25.6267
3	0.0384	0.1398	0.2378	0.3213	0.3893	0.4583	0.5302	0.9350	1.2974	1.6072	1.8579	2.1652	2.6585	3.6262	6.0837	16.8968
5	0.0351	0.1278	0.2173	0.2936	0.3557	0.4188	0.4845	0.8543	1.1855	1.4685	1.6976	1.9784	2.4292	3.3133	5.5589	15.4391
10	0.0322	0.1174	0.1997	0.2698	0.3268	0.3848	0.4451	0.7850	1.0892	1.3493	1.5597	1.8177	2.2319	3.0442	5.1074	14.1851
15	0.0314	0.1144	0.1945	0.2628	0.3184	0.3748	0.4336	0.7647	1.0610	1.3144	1.5194	1.7707	2.1741	2.9655	4.9752	13.8182
20	0.0310	0.1130	0.1922	0.2596	0.3146	0.3703	0.4284	0.7555	1.0483	1.2986	1.5012	1.7495	2.1481	2.9300	4.9156	13.6526
25	0.0306	0.1115	0.1897	0.2563	0.3105	0.3655	0.4229	0.7457	1.0346	1.2817	1.4816	1.7267	2.1201	2.8918	4.8516	13.4748

  

<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1613	0.5880	1.0000	1.3512	1.6369	1.9273	2.2296	3.9316	5.4553	6.7580	7.8120	9.1043	11.1786	15.2475	25.5809	71.0481
3	0.0775	0.2826	0.4805	0.6493	0.7866	0.9262	1.0714	1.8893	2.6216	3.2476	3.7541	4.3751	5.3719	7.3272	12.2931	34.1425
5	0.0622	0.2266	0.3854	0.5208	0.6309	0.7428	0.8593	1.5153	2.1026	2.6046	3.0109	3.5089	4.3084	5.8766	9.8593	27.3830
10	0.0499	0.1819	0.3094	0.4180	0.5064	0.5962	0.6897	1.2163	1.6877	2.0906	2.4167	2.8165	3.4582	4.7169	7.9137	21.9792
15	0.0452	0.1647	0.2800	0.3784	0.4584	0.5397	0.6243	1.1009	1.5276	1.8924	2.1875	2.5494	3.1302	4.2696	7.1632	19.8948
20	0.0426	0.1553	0.2641	0.3568	0.4323	0.5089	0.5888	1.0382	1.4406	1.7846	2.0629	2.4041	2.9519	4.0263	6.7551	18.7614
25	0.0407	0.1484	0.2523	0.3409	0.4130	0.4863	0.5625	0.9920	1.3764	1.7051	1.9710	2.2971	2.8204	3.8470	6.4542	17.9258

Table D.4-4. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Hot Mix Asphalt (Batch Mixer), PM-Condensable (Inorganic), Fabric Filter  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0106	0.0500	0.1237	0.1941	0.2695	0.3419	0.4221	0.9813	2.2814	2.3781	2.9580	3.6965	5.1777	8.3596	19.4587	200.8449
3	0.0069	0.0325	0.0804	0.1261	0.1751	0.2221	0.2742	0.6376	1.4823	1.5451	1.9219	2.4017	3.3641	5.4315	12.6429	130.4952
5	0.0062	0.0292	0.0723	0.1133	0.1574	0.1996	0.2464	0.5729	1.3320	1.3885	1.7271	2.1582	3.0230	4.8808	11.3611	117.2649
10	0.0054	0.0258	0.0637	0.1000	0.1388	0.1761	0.2174	0.5054	1.1751	1.2249	1.5236	1.9039	2.6668	4.3057	10.0225	103.4481
15	0.0052	0.0247	0.0612	0.0960	0.1334	0.1691	0.2088	0.4855	1.1288	1.1766	1.4635	1.8289	2.5617	4.1360	9.6274	99.3697
20	0.0051	0.0243	0.0602	0.0945	0.1312	0.1664	0.2055	0.4778	1.1108	1.1579	1.4402	1.7998	2.5209	4.0701	9.4741	97.7880
25	0.0051	0.0239	0.0592	0.0929	0.1290	0.1636	0.2019	0.4695	1.0915	1.1377	1.4152	1.7685	2.4771	3.9994	9.3095	96.0888
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0237	0.1122	0.2777	0.4356	0.6050	0.7673	0.9473	2.2024	5.1206	5.3375	6.6391	8.2966	11.6209	18.7625	43.6737	450.7825
3	0.0093	0.0440	0.1089	0.1708	0.2372	0.3009	0.3715	0.8637	2.0081	2.0931	2.6036	3.2536	4.5572	7.3578	17.1269	176.7770
5	0.0075	0.0355	0.0879	0.1379	0.1915	0.2429	0.2999	0.6973	1.6213	1.6899	2.1021	2.6268	3.6794	5.9405	13.8278	142.7251
10	0.0061	0.0287	0.0712	0.1116	0.1550	0.1966	0.2427	0.5642	1.3118	1.3673	1.7008	2.1254	2.9770	4.8065	11.1882	115.4804
15	0.0057	0.0268	0.0663	0.1040	0.1444	0.1831	0.2261	0.5256	1.2220	1.2738	1.5844	1.9799	2.7733	4.4776	10.4225	107.5763
20	0.0054	0.0257	0.0636	0.0998	0.1386	0.1758	0.2170	0.5046	1.1731	1.2228	1.5210	1.9008	2.6624	4.2985	10.0057	103.2752
25	0.0053	0.0250	0.0620	0.0972	0.1350	0.1712	0.2114	0.4915	1.1428	1.1912	1.4817	1.8516	2.5935	4.1874	9.7471	100.6053
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0872	0.4129	1.0220	1.6030	2.2260	2.8233	3.4856	8.1038	18.8414	19.6396	24.4290	30.5278	42.7599	69.0379	160.7002	1658.6819
3	0.0250	0.1182	0.2925	0.4588	0.6372	0.8082	0.9977	2.3197	5.3932	5.6217	6.9926	8.7384	12.2397	19.7616	45.9992	474.7852
5	0.0179	0.0847	0.2096	0.3288	0.4566	0.5791	0.7149	1.6622	3.8647	4.0284	5.0108	6.2618	8.7707	14.1608	32.9622	340.2224
10	0.0121	0.0571	0.1413	0.2216	0.3077	0.3902	0.4818	1.1201	2.6042	2.7145	3.3765	4.2195	5.9101	9.5422	22.2114	229.2574
15	0.0103	0.0488	0.1208	0.1895	0.2631	0.3337	0.4120	0.9580	2.2273	2.3216	2.8878	3.6087	5.0547	8.1610	18.9965	196.0742
20	0.0092	0.0436	0.1078	0.1691	0.2349	0.2979	0.3678	0.8551	1.9880	2.0723	2.5776	3.2211	4.5118	7.2845	16.9562	175.0149
25	0.0087	0.0410	0.1014	0.1590	0.2209	0.2801	0.3458	0.8040	1.8694	1.9486	2.4238	3.0289	4.2426	6.8498	15.9444	164.5713

Table D.4-5. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Hot Mix Asphalt (Drum Mixer), PM-Condensable (Organic), Wet Scrubber, Fabric Filter

Target Statistic																
Median																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0046	0.0402	0.1082	0.1781	0.2491	0.3282	0.4098	1.0215	2.6019	2.5595	3.2196	4.2276	5.9862	9.9847	24.4165	122.4120
3	0.0028	0.0246	0.0662	0.1090	0.1524	0.2009	0.2508	0.6251	1.5921	1.5661	1.9701	2.5869	3.6629	6.1096	14.9404	74.9036
5	0.0024	0.0211	0.0567	0.0933	0.1305	0.1720	0.2147	0.5352	1.3631	1.3409	1.6867	2.2148	3.1361	5.2308	12.7914	64.1295
10	0.0022	0.0190	0.0510	0.0840	0.1174	0.1547	0.1931	0.4814	1.2263	1.2063	1.5174	1.9924	2.8212	4.7057	11.5073	57.6916
15	0.0020	0.0178	0.0479	0.0788	0.1102	0.1453	0.1813	0.4520	1.1514	1.1326	1.4247	1.8708	2.6489	4.4183	10.8045	54.1683
20	0.0020	0.0174	0.0469	0.0773	0.1081	0.1424	0.1778	0.4433	1.1291	1.1106	1.3971	1.8345	2.5976	4.3327	10.5951	53.1186
25	0.0020	0.0170	0.0457	0.0753	0.1053	0.1387	0.1732	0.4317	1.0995	1.0815	1.3605	1.7864	2.5295	4.2191	10.3174	51.7264
Mean																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0113	0.0987	0.2654	0.4370	0.6112	0.8053	1.0054	2.5062	6.3835	6.2794	7.8990	10.3720	14.6864	24.4962	59.9030	300.3232
3	0.0040	0.0352	0.0947	0.1559	0.2180	0.2872	0.3586	0.8939	2.2769	2.2397	2.8174	3.6995	5.2384	8.7373	21.3663	107.1198
5	0.0031	0.0267	0.0718	0.1183	0.1654	0.2179	0.2721	0.6783	1.7276	1.6994	2.1377	2.8070	3.9746	6.6295	16.2118	81.2775
10	0.0025	0.0215	0.0580	0.0954	0.1335	0.1759	0.2196	0.5473	1.3940	1.3712	1.7249	2.2650	3.2071	5.3493	13.0812	65.5823
15	0.0022	0.0193	0.0519	0.0855	0.1196	0.1576	0.1968	0.4905	1.2493	1.2289	1.5459	2.0298	2.8742	4.7940	11.7233	58.7745
20	0.0021	0.0186	0.0500	0.0824	0.1152	0.1518	0.1895	0.4723	1.2030	1.1834	1.4886	1.9547	2.7678	4.6165	11.2893	56.5989
25	0.0021	0.0180	0.0484	0.0797	0.1114	0.1468	0.1833	0.4569	1.1638	1.1448	1.4401	1.8910	2.6776	4.4661	10.9214	54.7544
95 Percentile																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0428	0.3723	1.0016	1.6494	2.3066	3.0392	3.7944	9.4583	24.0908	23.6981	29.8105	39.1433	55.4257	92.4473	226.0709	1133.4040
3	0.0115	0.1003	0.2698	0.4444	0.6214	0.8188	1.0223	2.5482	6.4904	6.3846	8.0314	10.5458	14.9325	24.9066	60.9068	305.3554
5	0.0076	0.0661	0.1778	0.2928	0.4095	0.5396	0.6737	1.6792	4.2771	4.2073	5.2925	6.9495	9.8402	16.4130	40.1364	201.2236
10	0.0051	0.0448	0.1206	0.1986	0.2777	0.3659	0.4568	1.1386	2.9002	2.8529	3.5887	4.7122	6.6724	11.1292	27.2153	136.4438
15	0.0042	0.0363	0.0976	0.1608	0.2248	0.2962	0.3698	0.9219	2.3481	2.3098	2.9056	3.8152	5.4022	9.0106	22.0346	110.4703
20	0.0037	0.0326	0.0876	0.1442	0.2017	0.2657	0.3318	0.8270	2.1065	2.0722	2.6066	3.4227	4.8464	8.0836	19.7677	99.1049
25	0.0035	0.0307	0.0827	0.1362	0.1905	0.2510	0.3133	0.7810	1.9893	1.9569	2.4616	3.2322	4.5767	7.6338	18.6677	93.5902

Table D.4-6. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Hot Mix Asphalt (Batch Mixer), PM-Condensable (Organic), Fabric Filter

Target Statistic																
<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0203	0.0919	0.1831	0.2709	0.3493	0.4271	0.5097	1.0112	1.6640	1.9905	2.3655	2.8535	3.6008	5.2330	10.7224	43.6645
3	0.0151	0.0687	0.1369	0.2026	0.2612	0.3194	0.3812	0.7562	1.2443	1.4884	1.7689	2.1338	2.6927	3.9132	8.0181	32.6520
5	0.0140	0.0636	0.1266	0.1873	0.2415	0.2953	0.3524	0.6991	1.1504	1.3761	1.6354	1.9728	2.4895	3.6179	7.4131	30.1884
10	0.0132	0.0601	0.1197	0.1771	0.2284	0.2792	0.3332	0.6611	1.0879	1.3013	1.5465	1.8656	2.3542	3.4213	7.0102	28.5476
15	0.0129	0.0587	0.1169	0.1730	0.2231	0.2727	0.3255	0.6458	1.0626	1.2711	1.5106	1.8222	2.2994	3.3417	6.8472	27.8836
20	0.0128	0.0580	0.1156	0.1710	0.2205	0.2697	0.3218	0.6385	1.0506	1.2567	1.4935	1.8016	2.2735	3.3040	6.7698	27.5686
25	0.0126	0.0573	0.1141	0.1688	0.2176	0.2661	0.3176	0.6301	1.0368	1.2402	1.4739	1.7779	2.2435	3.2605	6.6807	27.2058
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0342	0.1551	0.3089	0.4571	0.5894	0.7206	0.8600	1.7062	2.8076	3.3584	3.9912	4.8145	6.0755	8.8293	18.0913	73.6730
3	0.0185	0.0841	0.1674	0.2477	0.3194	0.3906	0.4661	0.9248	1.5217	1.8203	2.1633	2.6095	3.2930	4.7856	9.8057	39.9314
5	0.0159	0.0720	0.1433	0.2121	0.2735	0.3344	0.3991	0.7918	1.3030	1.5586	1.8523	2.2344	2.8196	4.0976	8.3960	34.1908
10	0.0141	0.0639	0.1272	0.1882	0.2426	0.2967	0.3540	0.7024	1.1558	1.3826	1.6431	1.9820	2.5012	3.6349	7.4478	30.3297
15	0.0135	0.0611	0.1217	0.1801	0.2322	0.2839	0.3388	0.6722	1.1062	1.3232	1.5726	1.8969	2.3938	3.4788	7.1281	29.0276
20	0.0132	0.0599	0.1192	0.1764	0.2275	0.2781	0.3319	0.6585	1.0837	1.2963	1.5405	1.8583	2.3450	3.4079	6.9828	28.4361
25	0.0130	0.0588	0.1171	0.1733	0.2234	0.2732	0.3260	0.6468	1.0643	1.2731	1.5130	1.8251	2.3031	3.3470	6.8580	27.9276
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1111	0.5045	1.0046	1.4867	1.9169	2.3438	2.7972	5.5495	9.1319	10.9234	12.9816	15.6596	19.7610	28.7181	58.8434	239.6272
3	0.0427	0.1937	0.3858	0.5709	0.7361	0.9001	1.0742	2.1311	3.5068	4.1947	4.9851	6.0135	7.5885	11.0282	22.5967	92.0201
5	0.0323	0.1466	0.2920	0.4321	0.5571	0.6812	0.8130	1.6129	2.6541	3.1748	3.7730	4.5513	5.7434	8.3467	17.1023	69.6456
10	0.0238	0.1081	0.2153	0.3186	0.4108	0.5022	0.5994	1.1891	1.9568	2.3407	2.7817	3.3555	4.2344	6.1537	12.6089	51.3472
15	0.0212	0.0962	0.1915	0.2834	0.3655	0.4469	0.5333	1.0580	1.7410	2.0825	2.4749	2.9855	3.7674	5.4751	11.2184	45.6845
20	0.0197	0.0895	0.1781	0.2636	0.3399	0.4156	0.4960	0.9841	1.6194	1.9371	2.3020	2.7769	3.5042	5.0926	10.4348	42.4933
25	0.0186	0.0844	0.1680	0.2486	0.3205	0.3919	0.4677	0.9280	1.5270	1.8266	2.1707	2.6185	3.3044	4.8022	9.8396	40.0697

Table D.4-7. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Hot Mix Asphalt (Drum Mixer), PM-Filterable, Fabric Filter

Target Statistic

**Median**

No. Tests	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0384	0.1179	0.2288	0.3168	0.3862	0.4630	0.5321	0.9926	1.4697	1.8155	2.1080	2.4706	3.0903	4.3797	7.7915	40.2753
3	0.0312	0.0960	0.1862	0.2578	0.3142	0.3768	0.4330	0.8077	1.1960	1.4774	1.7154	2.0104	2.5148	3.5640	6.3405	32.7745
5	0.0295	0.0906	0.1758	0.2434	0.2967	0.3557	0.4088	0.7626	1.1292	1.3949	1.6196	1.8981	2.3743	3.3649	5.9862	30.9435
10	0.0279	0.0856	0.1662	0.2301	0.2805	0.3363	0.3865	0.7209	1.0675	1.3187	1.5311	1.7944	2.2446	3.1811	5.6592	29.2528
15	0.0273	0.0840	0.1629	0.2256	0.2750	0.3297	0.3789	0.7068	1.0466	1.2928	1.5011	1.7593	2.2006	3.1188	5.5484	28.6803
20	0.0270	0.0831	0.1612	0.2231	0.2720	0.3261	0.3749	0.6992	1.0353	1.2789	1.4849	1.7403	2.1769	3.0852	5.4886	28.3711
25	0.0268	0.0825	0.1600	0.2215	0.2700	0.3237	0.3721	0.6940	1.0276	1.2694	1.4739	1.7274	2.1607	3.0622	5.4478	28.1600

**Mean**

No. Tests	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0581	0.1785	0.3463	0.4794	0.5844	0.7007	0.8054	1.5023	2.2244	2.7478	3.1904	3.7392	4.6771	6.6286	11.7924	60.9564
3	0.0363	0.1114	0.2162	0.2992	0.3648	0.4374	0.5027	0.9377	1.3885	1.7151	1.9914	2.3340	2.9195	4.1376	7.3608	38.0486
5	0.0321	0.0986	0.1914	0.2649	0.3230	0.3873	0.4451	0.8302	1.2293	1.5186	1.7632	2.0665	2.5848	3.6633	6.5171	33.6876
10	0.0292	0.0896	0.1738	0.2406	0.2934	0.3517	0.4043	0.7541	1.1165	1.3792	1.6014	1.8769	2.3477	3.3272	5.9192	30.5968
15	0.0281	0.0865	0.1677	0.2322	0.2831	0.3394	0.3901	0.7277	1.0775	1.3310	1.5454	1.8112	2.2656	3.2109	5.7122	29.5268
20	0.0277	0.0850	0.1649	0.2283	0.2783	0.3337	0.3835	0.7154	1.0593	1.3085	1.5192	1.7806	2.2272	3.1565	5.6155	29.0270
25	0.0273	0.0840	0.1629	0.2255	0.2749	0.3296	0.3789	0.7067	1.0464	1.2926	1.5008	1.7589	2.2001	3.1181	5.5471	28.6738

**95 Percentile**

No. Tests	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1668	0.5124	0.9942	1.3762	1.6778	2.0116	2.3121	4.3126	6.3858	7.8882	9.1588	10.7342	13.4269	19.0292	33.8531	174.9905
3	0.0764	0.2346	0.4553	0.6303	0.7684	0.9212	1.0588	1.9750	2.9244	3.6125	4.1943	4.9158	6.1490	8.7145	15.5033	80.1381
5	0.0601	0.1848	0.3585	0.4963	0.6051	0.7254	0.8338	1.5553	2.3029	2.8447	3.3029	3.8710	4.8421	6.8624	12.2083	63.1061
10	0.0469	0.1440	0.2795	0.3869	0.4717	0.5655	0.6500	1.2124	1.7952	2.2176	2.5748	3.0176	3.7746	5.3496	9.5169	49.1939
15	0.0415	0.1274	0.2472	0.3423	0.4172	0.5003	0.5750	1.0725	1.5881	1.9617	2.2777	2.6695	3.3391	4.7323	8.4189	43.5180
20	0.0396	0.1216	0.2359	0.3266	0.3982	0.4774	0.5487	1.0235	1.5155	1.8721	2.1736	2.5475	3.1866	4.5162	8.0343	41.5302
25	0.0376	0.1155	0.2241	0.3102	0.3781	0.4534	0.5211	0.9720	1.4392	1.7778	2.0642	2.4192	3.0261	4.2887	7.6296	39.4383

Table D.4-8. Emissions Factor Uncertainty Ratios by Number of Tests (n) and Target Statistic: Hot Mix Asphalt (Batch Mixer), PM-Filterable, Fabric Filter  
Target Statistic

<b>Median</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0208	0.0864	0.1741	0.2560	0.3309	0.4079	0.4860	0.9896	1.7022	1.9646	2.3450	2.8548	3.7641	5.4557	11.3915	53.6829
3	0.0156	0.0649	0.1308	0.1924	0.2488	0.3066	0.3653	0.7439	1.2796	1.4769	1.7629	2.1461	2.8296	4.1012	8.5634	40.3553
5	0.0143	0.0597	0.1203	0.1769	0.2287	0.2819	0.3358	0.6839	1.1763	1.3577	1.6206	1.9728	2.6012	3.7702	7.8722	37.0981
10	0.0135	0.0560	0.1129	0.1660	0.2146	0.2645	0.3151	0.6417	1.1037	1.2739	1.5205	1.8510	2.4406	3.5375	7.3862	34.8078
15	0.0131	0.0544	0.1096	0.1612	0.2084	0.2568	0.3060	0.6231	1.0718	1.2370	1.4765	1.7975	2.3700	3.4351	7.1726	33.8010
20	0.0129	0.0538	0.1085	0.1595	0.2062	0.2542	0.3029	0.6168	1.0609	1.2245	1.4616	1.7793	2.3460	3.4003	7.0998	33.4581
25	0.0128	0.0533	0.1075	0.1581	0.2043	0.2519	0.3001	0.6111	1.0511	1.2131	1.4480	1.7628	2.3243	3.3688	7.0341	33.1486
<b>Mean</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.0363	0.1513	0.3048	0.4482	0.5795	0.7142	0.8509	1.7328	2.9806	3.4401	4.1062	4.9988	6.5909	9.5531	19.9468	94.0001
3	0.0190	0.0790	0.1591	0.2341	0.3026	0.3730	0.4443	0.9048	1.5564	1.7963	2.1442	2.6103	3.4416	4.9884	10.4157	49.0845
5	0.0163	0.0679	0.1367	0.2011	0.2599	0.3204	0.3817	0.7773	1.3371	1.5432	1.8421	2.2425	2.9567	4.2855	8.9481	42.1684
10	0.0144	0.0599	0.1207	0.1775	0.2295	0.2829	0.3370	0.6863	1.1804	1.3624	1.6262	1.9797	2.6102	3.7833	7.8996	37.2273
15	0.0136	0.0568	0.1145	0.1683	0.2176	0.2682	0.3196	0.6508	1.1193	1.2919	1.5421	1.8773	2.4752	3.5876	7.4909	35.3013
20	0.0133	0.0555	0.1118	0.1645	0.2126	0.2621	0.3122	0.6358	1.0936	1.2622	1.5067	1.8342	2.4184	3.5052	7.3189	34.4908
25	0.0131	0.0547	0.1101	0.1620	0.2094	0.2581	0.3075	0.6263	1.0772	1.2433	1.4840	1.8066	2.3820	3.4525	7.2089	33.9722
<b>95 Percentile</b>																
n	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	Mean	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum
1	0.1160	0.4827	0.9726	1.4304	1.8491	2.2793	2.7155	5.5297	9.5115	10.9779	13.1037	15.9521	21.0328	30.4854	63.6535	299.9697
3	0.0447	0.1860	0.3748	0.5512	0.7125	0.8783	1.0464	2.1308	3.6651	4.2301	5.0493	6.1468	8.1046	11.7470	24.5277	115.5877
5	0.0336	0.1399	0.2818	0.4144	0.5358	0.6604	0.7868	1.6021	2.7558	3.1806	3.7965	4.6218	6.0939	8.8326	18.4424	86.9107
10	0.0251	0.1045	0.2107	0.3098	0.4005	0.4937	0.5882	1.1977	2.0601	2.3777	2.8382	3.4551	4.5556	6.6029	13.7869	64.9714
15	0.0221	0.0918	0.1850	0.2721	0.3517	0.4336	0.5165	1.0518	1.8093	2.0882	2.4925	3.0344	4.0008	5.7989	12.1080	57.0595
20	0.0205	0.0855	0.1722	0.2532	0.3274	0.4035	0.4808	0.9790	1.6839	1.9435	2.3199	2.8241	3.7236	5.3971	11.2691	53.1061
25	0.0195	0.0810	0.1633	0.2401	0.3104	0.3826	0.4558	0.9282	1.5966	1.8427	2.1995	2.6777	3.5305	5.1172	10.6847	50.3521