Appendix E

Normalized Monte Carlo Sampling Distributions of the Mean

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Appendix E.1

Wood Residue Combustion

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Table E.1-1. Selected Percentiles of Normalized[1] Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Acetaldehyde

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0003	0.0030	0.0101	0.0201	0.0313	0.0454	0.0608	0.1985	0.6930	0.9700	1.4067	2.2855	4.3292	14.2395	93.3883	1
n=2	0.0015	0.0152	0.0369	0.0611	0.0828	0.1069	0.1328	0.3524	0.9401	1.2116	1.5744	2.2831	4.1029	9.6089	71.2783	1
n=3	0.0069	0.0265	0.0581	0.0899	0.1179	0.1467	0.1786	0.4174	0.9827	1.2161	1.6008	2.2253	3.8159	9.1231	44.7892	1
n=4	0.0117	0.0455	0.0863	0.1230	0.1578	0.1946	0.2301	0.4869	1.0637	1.3072	1.6531	2.2554	3.6847	7.7441	36.3042	1
n=5	0.0141	0.0567	0.1057	0.1466	0.1871	0.2282	0.2721	0.5328	1.1013	1.3383	1.6677	2.2275	3.4278	7.3158	30.2710	1
n=6	0.0166	0.0710	0.1288	0.1781	0.2189	0.2622	0.3033	0.5790	1.1225	1.3690	1.6754	2.1689	3.1794	6.9594	25.4323	1
n=7	0.0389	0.0894	0.1517	0.2038	0.2495	0.2945	0.3404	0.6096	1.1417	1.3487	1.6695	2.1920	3.0995	6.2762	24.4084	1
n=8	0.0401	0.1049	0.1664	0.2181	0.2633	0.3128	0.3571	0.6303	1.1759	1.3737	1.6555	2.1037	2.9546	5.6395	20.4984	1
n=9	0.0300	0.1094	0.1782	0.2390	0.2917	0.3385	0.3802	0.6510	1.1667	1.3686	1.6403	2.0878	2.8743	5.5503	17.9626	1
n=10	0.0391	0.1198	0.1972	0.2592	0.3082	0.3534	0.3991	0.6847	1.1883	1.3748	1.6457	2.0386	2.8100	5.3158	16.2880	1
n=11	0.0375	0.1388	0.2147	0.2712	0.3265	0.3710	0.4167	0.6901	1.2047	1.3934	1.6325	2.0132	2.6982	5.0997	16.8668	1
n=12	0.0590	0.1460	0.2251	0.2885	0.3434	0.3928	0.4399	0.7104	1.2000	1.3907	1.6394	2.0139	2.6092	4.7852	15.8629	1
n=13	0.0635	0.1520	0.2379	0.3012	0.3553	0.4032	0.4501	0.7261	1.2154	1.3788	1.6244	1.9630	2.6068	4.7166	12.8819	1
n=14	0.0830	0.1676	0.2481	0.3124	0.3662	0.4160	0.4630	0.7280	1.2173	1.3999	1.6268	1.9441	2.5920	4.4915	12.7970	1
n=15	0.0746	0.1657	0.2570	0.3231	0.3815	0.4320	0.4797	0.7524	1.2409	1.3959	1.5905	1.9156	2.5166	4.1843	12.2688	1
n=16	0.0763	0.1781	0.2689	0.3390	0.3919	0.4421	0.4870	0.7541	1.2231	1.3889	1.5995	1.9105	2.5447	4.2523	11.3567	1
n=17	0.0734	0.1895	0.2817	0.3433	0.3966	0.4465	0.4933	0.7578	1.2079	1.3642	1.5916	1.8860	2.4697	4.1952	9.4885	1
n=18	0.1024	0.1956	0.2812	0.3462	0.4002	0.4564	0.5045	0.7689	1.2200	1.3659	1.5624	1.8642	2.4586	4.1571	9.2255	1
n=19	0.0813	0.2071	0.2993	0.3610	0.4163	0.4646	0.5136	0.7755	1.2074	1.3583	1.5510	1.8568	2.4183	4.2376	9.7244	1
n=20	0.0955	0.2147	0.3124	0.3776	0.4359	0.4824	0.5313	0.7920	1.2169	1.3660	1.5425	1.8097	2.3403	3.9484	9.5870	1
n=21	0.0949	0.2174	0.3162	0.3844	0.4398	0.4873	0.5352	0.8000	1.2127	1.3459	1.5213	1.7879	2.3632	3.9043	10.9361	1
n=22	0.1223	0.2274	0.3223	0.3890	0.4438	0.4941	0.5416	0.8037	1.2215	1.3543	1.5352	1.8224	2.3339	3.6880	8.5551	1
n=23	0.1147	0.2403	0.3368	0.4015	0.4547	0.5055	0.5558	0.8084	1.2204	1.3571	1.5342	1.7788	2.2602	3.7008	9.4646	1
n=24	0.1523	0.2372	0.3346	0.4045	0.4615	0.5105	0.5576	0.8148	1.2175	1.3547	1.5302	1.7782	2.2729	3.5513	9.1925	1
n=25	0.1122	0.2478	0.3452	0.4205	0.4759	0.5258	0.5718	0.8273	1.2142	1.3373	1.5049	1.7372	2.1810	3.5500	12.1449	1
n=26	0.1340	0.2578	0.3553	0.4185	0.4676	0.5237	0.5712	0.8287	1.2175	1.3432	1.5065	1.7713	2.2263	3.6579	7.5555	1
n=27	0.1103	0.2613	0.3597	0.4266	0.4838	0.5346	0.5786	0.8344	1.2160	1.3447	1.5100	1.7450	2.1744	3.4480	8.4594	1
n=28	0.1348	0.2729	0.3694	0.4318	0.4881	0.5387	0.5876	0.8423	1.2287	1.3457	1.5007	1.7306	2.1505	3.2615	7.0939	1
n=29	0.1207	0.2763	0.3747	0.4429	0.4987	0.5494	0.5973	0.8431	1.2122	1.3270	1.4745	1.6931	2.1653	3.2852	6.9901	1
n=30	0.1612	0.2749	0.3719	0.4405	0.4956	0.5451	0.5937	0.8489	1.2125	1.3303	1.4871	1.7100	2.1559	3.3009	6.5785	1

[1] A normalized distribution is a distribution with mean 1.

Table E.1-2. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Arsenic

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	6.11E-11	9.56E-07	7.36E-05	0.0006	0.0017	0.0040	0.0080	0.0848	0.5639	0.8483	1.3297	2.2852	4.5230	14.5556	132.0911	1.0000
n=2	5.92E-07	0.0004	0.0042	0.0112	0.0217	0.0363	0.0550	0.2549	0.9499	1.2479	1.7725	2.5977	4.5276	10.0374	74.0155	1.0000
n=3	1.16E-05	0.0022	0.0124	0.0292	0.0507	0.0740	0.1057	0.3582	1.0610	1.3702	1.8071	2.6430	4.2902	8.8036	50.4680	1.0000
n=4	0.0002	0.0072	0.0264	0.0534	0.0832	0.1169	0.1539	0.4357	1.1379	1.4207	1.8614	2.5972	3.8343	7.6535	35.8103	1.0000
n=5	0.0006	0.0148	0.0445	0.0807	0.1175	0.1563	0.2014	0.5058	1.1921	1.4483	1.8696	2.4376	3.5388	6.9546	30.0007	1.0000
n=6	0.0030	0.0262	0.0615	0.1038	0.1498	0.1930	0.2378	0.5604	1.2457	1.5036	1.8831	2.3844	3.2946	6.2267	25.7181	1.0000
n=7	0.0025	0.0302	0.0782	0.1228	0.1654	0.2108	0.2573	0.5778	1.2374	1.4940	1.8324	2.3368	3.3491	6.0999	21.3100	1.0000
n=8	0.0044	0.0419	0.0980	0.1492	0.1957	0.2455	0.2969	0.6123	1.2469	1.5041	1.8447	2.2881	3.0791	5.5930	19.6235	1.0000
n=9	0.0116	0.0492	0.1127	0.1671	0.2191	0.2699	0.3220	0.6537	1.2660	1.4897	1.7631	2.1826	3.0298	5.1880	17.9734	1.0000
n=10	0.0087	0.0623	0.1272	0.1839	0.2351	0.2847	0.3427	0.6685	1.2871	1.4943	1.7641	2.1620	2.9231	5.1364	17.0949	1.0000
n=11	0.0123	0.0643	0.1382	0.2002	0.2587	0.3118	0.3647	0.6935	1.2805	1.4788	1.7651	2.1302	2.7902	4.7891	14.1302	1.0000
n=12	0.0164	0.0802	0.1566	0.2231	0.2818	0.3345	0.3852	0.7116	1.2775	1.4608	1.7082	2.0703	2.7892	4.6256	13.6996	1.0000
n=13	0.0212	0.0839	0.1650	0.2318	0.2888	0.3468	0.4064	0.7232	1.2907	1.4702	1.6917	2.0552	2.7091	4.4743	13.0424	1.0000
n=14	0.0365	0.0938	0.1829	0.2535	0.3136	0.3685	0.4236	0.7419	1.2976	1.4700	1.6820	1.9957	2.6615	4.2110	12.9311	1.0000
n=15	0.0224	0.1050	0.1932	0.2689	0.3352	0.3881	0.4466	0.7646	1.2685	1.4211	1.6426	1.9621	2.5276	4.1579	11.7280	1.0000
n=16	0.0331	0.1124	0.2052	0.2760	0.3396	0.3949	0.4527	0.7787	1.2971	1.4645	1.6580	1.9466	2.4703	3.9181	12.2913	1.0000
n=17	0.0438	0.1240	0.2176	0.2920	0.3490	0.4071	0.4623	0.7670	1.2720	1.4265	1.6494	1.9781	2.5542	3.9121	10.2306	1.0000
n=18	0.0499	0.1314	0.2220	0.2985	0.3567	0.4177	0.4747	0.7902	1.2763	1.4384	1.6433	1.9261	2.4788	3.7738	8.9992	1.0000
n=19	0.0592	0.1403	0.2346	0.3133	0.3759	0.4329	0.4851	0.7892	1.2769	1.4295	1.6222	1.9295	2.4370	3.7577	9.4118	1.0000
n=20	0.0460	0.1480	0.2502	0.3310	0.3935	0.4532	0.5100	0.8191	1.2763	1.4166	1.6200	1.8896	2.3545	3.5195	8.8037	1.0000
n=21	0.0445	0.1518	0.2528	0.3282	0.3931	0.4542	0.5052	0.8043	1.2659	1.4126	1.6014	1.8686	2.3619	3.5949	8.8772	1.0000
n=22	0.0574	0.1601	0.2658	0.3452	0.4049	0.4679	0.5244	0.8263	1.2694	1.4217	1.6084	1.8562	2.3390	3.3402	7.9762	1.0000
n=23	0.0622	0.1704	0.2728	0.3494	0.4190	0.4773	0.5341	0.8371	1.2766	1.4119	1.5935	1.8277	2.2843	3.3279	8.4015	1.0000
n=24	0.0544	0.1796	0.2789	0.3546	0.4173	0.4719	0.5288	0.8321	1.2830	1.4178	1.5948	1.8503	2.2769	3.2827	9.3914	1.0000
n=25	0.0811	0.1879	0.2930	0.3699	0.4308	0.4846	0.5396	0.8419	1.2758	1.3955	1.5709	1.8206	2.2413	3.2900	7.6140	1.0000
n=26	0.0680	0.1926	0.2943	0.3747	0.4387	0.4944	0.5555	0.8479	1.2690	1.3976	1.5668	1.7976	2.1703	3.2038	8.0724	1.0000
n=27	0.0580	0.1991	0.3108	0.3868	0.4470	0.5050	0.5617	0.8567	1.2590	1.3831	1.5358	1.7713	2.1800	3.1195	7.2980	1.0000
n=28	0.0658	0.2021	0.3118	0.3904	0.4558	0.5143	0.5693	0.8582	1.2536	1.3854	1.5494	1.7830	2.1387	3.1500	8.0957	1.0000
n=29	0.0459	0.2091	0.3193	0.3960	0.4592	0.5185	0.5751	0.8600	1.2616	1.3702	1.5226	1.7623	2.1406	3.0225	7.9522	1.0000
n=30	0.0905	0.2178	0.3229	0.4056	0.4699	0.5296	0.5811	0.8619	1.2585	1.3821	1.5404	1.7544	2.1089	3.0721	7.1582	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-3. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Benzene

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0001	0.0009	0.0040	0.0087	0.0144	0.0214	0.0292	0.1172	0.4821	0.6905	1.0010	1.6303	3.6511	14.3660	441.2855	1.0000
n=2	0.0008	0.0066	0.0184	0.0316	0.0465	0.0636	0.0831	0.2409	0.7067	0.9394	1.3691	2.0454	3.7973	12.7669	236.1105	1.0000
n=3	0.0011	0.0126	0.0296	0.0485	0.0659	0.0874	0.1106	0.2824	0.7843	1.0279	1.3912	2.0003	3.6568	12.0118	137.4140	1.0000
n=4	0.0033	0.0199	0.0464	0.0709	0.0947	0.1200	0.1472	0.3481	0.8738	1.1163	1.4584	2.1056	3.7614	10.6517	111.3196	1.0000
n=5	0.0075	0.0299	0.0617	0.0943	0.1216	0.1494	0.1806	0.3868	0.9127	1.1252	1.5028	2.1959	3.5476	9.5355	86.8801	1.0000
n=6	0.0065	0.0353	0.0754	0.1078	0.1407	0.1738	0.2068	0.4354	0.9461	1.1702	1.5315	2.1143	3.2916	9.0857	77.9639	1.0000
n=7	0.0100	0.0452	0.0843	0.1206	0.1559	0.1882	0.2213	0.4406	0.9657	1.1898	1.5397	2.1474	3.3423	8.9998	60.7480	1.0000
n=8	0.0112	0.0558	0.1006	0.1391	0.1726	0.2075	0.2407	0.4679	0.9814	1.1887	1.4954	2.0475	3.2638	8.4122	55.8422	1.0000
n=9	0.0138	0.0650	0.1152	0.1555	0.1914	0.2245	0.2591	0.4893	0.9925	1.2199	1.5478	2.0835	3.2252	8.0073	49.4098	1.0000
n=10	0.0213	0.0695	0.1213	0.1628	0.2000	0.2389	0.2761	0.5242	1.0215	1.2417	1.5669	2.0249	3.1396	7.3348	60.8248	1.0000
n=11	0.0245	0.0818	0.1321	0.1752	0.2154	0.2539	0.2928	0.5311	1.0377	1.2581	1.5453	2.0333	3.0733	6.6401	39.8291	1.0000
n=12	0.0296	0.0830	0.1423	0.1840	0.2250	0.2677	0.3065	0.5463	1.0521	1.2521	1.5247	1.9879	3.0569	6.6082	42.1165	1.0000
n=13	0.0308	0.0942	0.1545	0.2005	0.2406	0.2817	0.3229	0.5661	1.0559	1.2467	1.5244	1.9957	3.1388	6.4975	35.7993	1.0000
n=14	0.0342	0.1014	0.1651	0.2136	0.2577	0.2976	0.3379	0.5878	1.1033	1.3109	1.5821	2.0498	3.0158	5.9458	34.8683	1.0000
n=15	0.0303	0.1054	0.1619	0.2096	0.2547	0.2962	0.3372	0.5766	1.0807	1.2590	1.5319	1.9763	2.9551	6.2937	30.6088	1.0000
n=16	0.0471	0.1157	0.1852	0.2377	0.2833	0.3268	0.3658	0.6251	1.1414	1.3248	1.5955	2.0070	2.9568	5.5636	28.5121	1.0000
n=17	0.0376	0.1170	0.1813	0.2289	0.2737	0.3168	0.3583	0.6037	1.0835	1.2594	1.5283	1.9695	2.9064	6.1642	35.0673	1.0000
n=18	0.0479	0.1196	0.1849	0.2380	0.2828	0.3262	0.3695	0.6211	1.1039	1.2749	1.5609	2.0174	2.9984	5.7808	25.4228	1.0000
n=19	0.0443	0.1323	0.2032	0.2547	0.2998	0.3397	0.3816	0.6323	1.1085	1.2807	1.5326	1.9469	2.8757	5.6815	25.2970	1.0000
n=20	0.0562	0.1369	0.2099	0.2653	0.3124	0.3552	0.3971	0.6530	1.1290	1.3013	1.5562	1.9802	2.8737	5.3014	25.9989	1.0000
n=21	0.0736	0.1389	0.2171	0.2771	0.3204	0.3652	0.4085	0.6601	1.1409	1.3168	1.5551	1.9602	2.7541	5.5464	22.6386	1.0000
n=22	0.0609	0.1548	0.2204	0.2779	0.3228	0.3643	0.4041	0.6561	1.1248	1.2981	1.5318	1.9522	2.7287	6.3851	21.2077	1.0000
n=23	0.0504	0.1503	0.2226	0.2845	0.3324	0.3761	0.4212	0.6681	1.1404	1.3242	1.5716	1.9665	2.7026	5.4979	20.9762	1.0000
n=24	0.0523	0.1550	0.2324	0.2897	0.3376	0.3826	0.4235	0.6710	1.1319	1.3105	1.5622	1.9244	2.6965	5.3144	19.7618	1.0000
n=25	0.0621	0.1531	0.2313	0.2862	0.3348	0.3800	0.4240	0.6699	1.1176	1.2778	1.5156	1.9073	2.6632	5.9393	25.2682	1.0000
n=26	0.0678	0.1696	0.2470	0.3064	0.3517	0.3947	0.4385	0.6920	1.1302	1.2918	1.5298	1.8994	2.6545	5.6258	20.6429	1.0000
n=27	0.0663	0.1754	0.2469	0.3049	0.3536	0.3984	0.4414	0.6883	1.1371	1.3017	1.5227	1.9014	2.6372	5.4897	18.8213	1.0000
n=28	0.0779	0.1777	0.2546	0.3154	0.3632	0.4069	0.4473	0.6954	1.1359	1.3143	1.5379	1.8879	2.5996	5.7517	20.7876	1.0000
n=29	0.0784	0.1796	0.2634	0.3193	0.3677	0.4147	0.4623	0.7151	1.1613	1.3060	1.5120	1.8566	2.5137	5.1063	21.0694	1.0000
n=30	0.1022	0.1850	0.2579	0.3164	0.3643	0.4068	0.4488	0.6951	1.1393	1.2988	1.5286	1.8852	2.5464	6.0187	28.4089	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-4. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Cadmium

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	1.75E-06	0.0003	0.0057	0.0170	0.0355	0.0580	0.0885	0.3702	1.1394	1.4428	1.9341	2.6523	4.1150	8.0842	25.4052	1.0000
n=2	5.66E-05	0.0133	0.0456	0.0886	0.1344	0.1831	0.2366	0.6005	1.3114	1.5774	1.9117	2.3989	3.3092	5.4332	22.2907	1.0000
n=3	0.0029	0.0361	0.1055	0.1671	0.2233	0.2810	0.3411	0.6946	1.3196	1.5353	1.8120	2.2082	2.9029	4.6840	11.3177	1.0000
n=4	0.0090	0.0663	0.1509	0.2203	0.2864	0.3433	0.4080	0.7576	1.3338	1.5186	1.7561	2.0837	2.5996	4.0729	11.8876	1.0000
n=5	0.0088	0.0980	0.1946	0.2717	0.3390	0.4029	0.4642	0.7989	1.3205	1.4770	1.6854	1.9711	2.4447	3.6950	7.6816	1.0000
n=6	0.0183	0.1289	0.2309	0.3127	0.3816	0.4418	0.5029	0.8266	1.3017	1.4441	1.6332	1.8779	2.3150	3.6108	6.6375	1.0000
n=7	0.0468	0.1578	0.2693	0.3539	0.4271	0.4914	0.5474	0.8447	1.2989	1.4268	1.5788	1.7988	2.2020	3.3383	5.5435	1.0000
n=8	0.0504	0.1716	0.2937	0.3762	0.4463	0.5088	0.5667	0.8655	1.2905	1.4101	1.5525	1.7519	2.1414	3.1219	5.7049	1.0000
n=9	0.0579	0.1960	0.3152	0.4027	0.4733	0.5315	0.5923	0.8842	1.2727	1.3904	1.5282	1.7260	2.0717	3.0100	4.9272	1.0000
n=10	0.0587	0.2206	0.3402	0.4259	0.4923	0.5568	0.6106	0.8913	1.2687	1.3735	1.5037	1.7064	2.0125	2.8230	4.4168	1.0000
n=11	0.1001	0.2328	0.3544	0.4410	0.5105	0.5702	0.6266	0.9057	1.2634	1.3677	1.5045	1.6813	1.9612	2.6270	5.0419	1.0000
n=12	0.0845	0.2628	0.3795	0.4600	0.5257	0.5849	0.6443	0.9086	1.2539	1.3535	1.4725	1.6413	1.9354	2.6414	4.2724	1.0000
n=13	0.0824	0.2758	0.3992	0.4835	0.5518	0.6090	0.6647	0.9177	1.2353	1.3261	1.4467	1.6094	1.8888	2.5520	3.9862	1.0000
n=14	0.1260	0.2894	0.4161	0.4970	0.5663	0.6229	0.6751	0.9179	1.2382	1.3318	1.4396	1.5963	1.8659	2.4674	4.4587	1.0000
n=15	0.1116	0.2891	0.4277	0.5144	0.5742	0.6337	0.6858	0.9287	1.2350	1.3181	1.4225	1.5755	1.7976	2.4289	3.9071	1.0000
n=16	0.1603	0.3273	0.4419	0.5256	0.5906	0.6431	0.6919	0.9250	1.2284	1.3148	1.4139	1.5551	1.8086	2.3583	4.0800	1.0000
n=17	0.1367	0.3349	0.4555	0.5334	0.5951	0.6487	0.6999	0.9339	1.2191	1.3019	1.4033	1.5396	1.7612	2.3139	3.6065	1.0000
n=18	0.1569	0.3332	0.4601	0.5429	0.6129	0.6637	0.7122	0.9317	1.2209	1.3025	1.4064	1.5302	1.7490	2.2668	4.1804	1.0000
n=19	0.1563	0.3473	0.4759	0.5534	0.6157	0.6664	0.7179	0.9433	1.2086	1.2893	1.3775	1.5145	1.7230	2.2349	3.7913	1.0000
n=20	0.1772	0.3566	0.4824	0.5681	0.6288	0.6822	0.7308	0.9445	1.2114	1.2809	1.3710	1.4971	1.6878	2.1911	3.6379	1.0000
n=21	0.1776	0.3687	0.4962	0.5786	0.6354	0.6859	0.7307	0.9436	1.2012	1.2800	1.3674	1.4894	1.6954	2.1829	3.4936	1.0000
n=22	0.2041	0.3805	0.5047	0.5865	0.6447	0.6920	0.7345	0.9416	1.2017	1.2744	1.3666	1.4861	1.6842	2.1103	2.9670	1.0000
n=23	0.2037	0.3961	0.5129	0.5908	0.6564	0.7039	0.7472	0.9498	1.1979	1.2621	1.3503	1.4666	1.6657	2.0592	3.2750	1.0000
n=24	0.2233	0.4008	0.5205	0.6001	0.6583	0.7096	0.7514	0.9521	1.1934	1.2593	1.3357	1.4504	1.6590	2.0720	2.8989	1.0000
n=25	0.1967	0.4121	0.5323	0.6061	0.6641	0.7100	0.7510	0.9492	1.1929	1.2643	1.3481	1.4540	1.6419	2.0674	2.8026	1.0000
n=26	0.2544	0.4245	0.5368	0.6092	0.6688	0.7178	0.7616	0.9539	1.1845	1.2482	1.3316	1.4441	1.6300	2.0022	3.0972	1.0000
n=27	0.2261	0.4333	0.5487	0.6180	0.6762	0.7216	0.7628	0.9528	1.1913	1.2529	1.3284	1.4338	1.5987	2.0158	2.8035	1.0000
n=28	0.2399	0.4281	0.5456	0.6273	0.6797	0.7282	0.7687	0.9588	1.1831	1.2525	1.3260	1.4251	1.6012	1.9550	3.2728	1.0000
n=29	0.2472	0.4358	0.5581	0.6359	0.6936	0.7351	0.7775	0.9579	1.1787	1.2421	1.3121	1.4107	1.5865	1.9564	2.9951	1.0000
n=30	0.3063	0.4367	0.5661	0.6402	0.6910	0.7351	0.7756	0.9589	1.1731	1.2364	1.3139	1.4124	1.5761	1.9433	2.9957	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-5. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Carbon Monoxide, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0011	0.0321	0.1036	0.1914	0.2661	0.3405	0.4114	0.8092	1.3791	1.5506	1.7622	2.0397	2.5494	3.6866	7.5021	1.0000
n=2	0.0111	0.1349	0.2665	0.3720	0.4481	0.5180	0.5890	0.9009	1.3142	1.4214	1.5611	1.7512	2.0704	2.7179	4.2556	1.0000
n=3	0.0477	0.2313	0.3715	0.4674	0.5446	0.6100	0.6648	0.9375	1.2633	1.3543	1.4594	1.6021	1.8557	2.3490	3.6150	1.0000
n=4	0.0746	0.2946	0.4456	0.5365	0.6021	0.6589	0.7188	0.9508	1.2272	1.3063	1.4001	1.5374	1.7272	2.1292	3.8211	1.0000
n=5	0.1356	0.3548	0.4931	0.5830	0.6463	0.6988	0.7460	0.9618	1.2109	1.2766	1.3637	1.4722	1.6403	1.9756	2.8835	1.0000
n=6	0.2264	0.3961	0.5304	0.6097	0.6731	0.7219	0.7680	0.9729	1.2035	1.2589	1.3300	1.4197	1.5726	1.8825	2.6101	1.0000
n=7	0.1711	0.4270	0.5624	0.6435	0.6970	0.7417	0.7840	0.9700	1.1851	1.2388	1.3136	1.4036	1.5448	1.7914	2.9588	1.0000
n=8	0.2493	0.4619	0.5850	0.6642	0.7195	0.7637	0.8045	0.9738	1.1722	1.2241	1.2860	1.3708	1.4950	1.7379	2.4334	1.0000
n=9	0.2487	0.4725	0.6039	0.6799	0.7328	0.7757	0.8170	0.9800	1.1610	1.2118	1.2660	1.3429	1.4566	1.7014	2.2103	1.0000
n=10	0.2840	0.5075	0.6230	0.6914	0.7448	0.7858	0.8237	0.9802	1.1562	1.1998	1.2550	1.3288	1.4421	1.6731	2.3717	1.0000
n=11	0.3583	0.5227	0.6473	0.7109	0.7570	0.7948	0.8286	0.9847	1.1478	1.1911	1.2453	1.3127	1.4125	1.6324	2.1837	1.0000
n=12	0.3050	0.5535	0.6525	0.7173	0.7618	0.8020	0.8368	0.9859	1.1440	1.1866	1.2367	1.3014	1.4015	1.6087	2.1022	1.0000
n=13	0.3824	0.5500	0.6636	0.7297	0.7768	0.8152	0.8491	0.9869	1.1378	1.1757	1.2238	1.2826	1.3760	1.5652	2.0225	1.0000
n=14	0.3342	0.5715	0.6793	0.7375	0.7820	0.8171	0.8487	0.9876	1.1380	1.1752	1.2171	1.2756	1.3646	1.5587	2.0083	1.0000
n=15	0.3333	0.5829	0.6906	0.7473	0.7892	0.8239	0.8588	0.9907	1.1319	1.1659	1.2081	1.2606	1.3478	1.5176	2.0749	1.0000
n=16	0.3646	0.5999	0.6987	0.7586	0.7989	0.8324	0.8620	0.9893	1.1249	1.1607	1.2008	1.2556	1.3429	1.5110	1.8655	1.0000
n=17	0.3967	0.6049	0.7126	0.7677	0.8066	0.8407	0.8688	0.9870	1.1207	1.1528	1.1922	1.2467	1.3293	1.4993	1.9199	1.0000
n=18	0.4342	0.6147	0.7118	0.7700	0.8113	0.8415	0.8694	0.9892	1.1196	1.1522	1.1942	1.2417	1.3158	1.4785	1.8002	1.0000
n=19	0.4698	0.6283	0.7142	0.7737	0.8115	0.8446	0.8719	0.9896	1.1167	1.1521	1.1918	1.2398	1.3123	1.4765	1.7249	1.0000
n=20	0.4676	0.6252	0.7230	0.7817	0.8205	0.8523	0.8780	0.9880	1.1165	1.1459	1.1812	1.2303	1.3082	1.4567	1.8255	1.0000
n=21	0.4906	0.6422	0.7336	0.7836	0.8214	0.8525	0.8774	0.9909	1.1119	1.1435	1.1806	1.2286	1.2995	1.4333	1.7890	1.0000
n=22	0.4572	0.6413	0.7409	0.7940	0.8286	0.8577	0.8827	0.9896	1.1089	1.1403	1.1746	1.2189	1.2913	1.4350	1.8343	1.0000
n=23	0.4465	0.6590	0.7499	0.7973	0.8322	0.8598	0.8839	0.9896	1.1076	1.1364	1.1693	1.2126	1.2807	1.4208	1.8883	1.0000
n=24	0.4484	0.6600	0.7488	0.7992	0.8343	0.8619	0.8864	0.9929	1.1040	1.1344	1.1673	1.2118	1.2767	1.4025	1.7751	1.0000
n=25	0.4490	0.6684	0.7552	0.8051	0.8395	0.8650	0.8895	0.9915	1.1013	1.1306	1.1627	1.2087	1.2734	1.4045	1.8889	1.0000
n=26	0.5135	0.6643	0.7548	0.8048	0.8414	0.8674	0.8921	0.9961	1.0985	1.1250	1.1584	1.2031	1.2664	1.3862	1.6507	1.0000
n=27	0.4829	0.6812	0.7658	0.8125	0.8450	0.8729	0.8962	0.9924	1.0976	1.1233	1.1543	1.1941	1.2586	1.3774	1.8158	1.0000
n=28	0.5299	0.6800	0.7620	0.8114	0.8439	0.8729	0.8967	0.9936	1.0980	1.1238	1.1547	1.1950	1.2583	1.3799	1.6160	1.0000
n=29	0.5365	0.6911	0.7658	0.8126	0.8448	0.8723	0.8962	0.9943	1.0964	1.1222	1.1533	1.1933	1.2524	1.3811	1.6402	1.0000
n=30	0.5413	0.6894	0.7747	0.8182	0.8518	0.8761	0.8985	0.9940	1.0935	1.1203	1.1507	1.1896	1.2456	1.3582	1.6760	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-6. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Chromium

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	1.66E-07	6.19E-05	0.0021	0.0076	0.0164	0.0315	0.0507	0.2615	1.0025	1.3651	1.8720	2.8220	4.5486	9.4943	51.1279	1.0000
n=2	1.67E-06	0.0055	0.0265	0.0520	0.0869	0.1237	0.1683	0.4827	1.1984	1.4925	1.8830	2.4869	3.6930	7.2805	25.8357	1.0000
n=3	2.43E-04	0.0184	0.0591	0.1003	0.1470	0.1956	0.2414	0.5916	1.3075	1.5545	1.9028	2.3769	3.2211	5.7519	17.1855	1.0000
n=4	0.0034	0.0350	0.0972	0.1523	0.2031	0.2563	0.3103	0.6721	1.3022	1.5259	1.7986	2.1953	3.0364	5.3515	12.6917	1.0000
n=5	0.0073	0.0613	0.1297	0.1939	0.2507	0.3102	0.3701	0.7114	1.2909	1.4868	1.7350	2.1246	2.9058	4.8340	10.9304	1.0000
n=6	0.0126	0.0792	0.1613	0.2286	0.2886	0.3506	0.4080	0.7505	1.3103	1.4953	1.7196	2.0728	2.6674	4.2427	10.1586	1.0000
n=7	0.0170	0.0913	0.1882	0.2639	0.3226	0.3817	0.4384	0.7813	1.2856	1.4500	1.6692	1.9948	2.5891	3.9281	9.9565	1.0000
n=8	0.0232	0.1201	0.2108	0.2876	0.3507	0.4164	0.4752	0.8066	1.2979	1.4571	1.6470	1.9333	2.4701	3.7118	7.5076	1.0000
n=9	0.0357	0.1268	0.2308	0.3134	0.3842	0.4495	0.5086	0.8239	1.2916	1.4317	1.6218	1.8946	2.3652	3.4044	6.9010	1.0000
n=10	0.0327	0.1544	0.2635	0.3399	0.4079	0.4718	0.5275	0.8456	1.2914	1.4253	1.5973	1.8579	2.2798	3.2716	6.6734	1.0000
n=11	0.0612	0.1548	0.2771	0.3562	0.4231	0.4875	0.5470	0.8548	1.2781	1.4092	1.5902	1.8182	2.2511	3.2406	5.7715	1.0000
n=12	0.0532	0.1823	0.2948	0.3739	0.4399	0.4971	0.5634	0.8615	1.2799	1.4078	1.5730	1.8055	2.2113	3.0793	6.5708	1.0000
n=13	0.0703	0.1947	0.3160	0.3997	0.4700	0.5315	0.5820	0.8706	1.2640	1.3870	1.5353	1.7496	2.1486	3.0328	5.4566	1.0000
n=14	0.0583	0.2068	0.3311	0.4114	0.4823	0.5437	0.5977	0.8742	1.2655	1.3897	1.5288	1.7267	2.1020	2.8954	4.9516	1.0000
n=15	0.0889	0.2241	0.3486	0.4272	0.4926	0.5493	0.6078	0.8887	1.2576	1.3729	1.5146	1.7156	2.0552	2.8228	4.5426	1.0000
n=16	0.0784	0.2364	0.3567	0.4414	0.5090	0.5664	0.6221	0.8867	1.2575	1.3733	1.5101	1.6985	2.0291	2.7952	4.7312	1.0000
n=17	0.1244	0.2463	0.3693	0.4525	0.5195	0.5801	0.6323	0.8947	1.2438	1.3469	1.4820	1.6637	1.9962	2.7415	5.8676	1.0000
n=18	0.0984	0.2562	0.3738	0.4566	0.5238	0.5824	0.6349	0.9031	1.2499	1.3548	1.4800	1.6558	1.9682	2.6526	5.0750	1.0000
n=19	0.1085	0.2797	0.3978	0.4824	0.5452	0.5992	0.6503	0.9005	1.2393	1.3366	1.4672	1.6290	1.9419	2.6394	4.5451	1.0000
n=20	0.1360	0.2816	0.3980	0.4820	0.5466	0.6083	0.6592	0.9037	1.2371	1.3358	1.4601	1.6346	1.9196	2.5703	4.5891	1.0000
n=21	0.1324	0.2914	0.4101	0.4955	0.5606	0.6132	0.6671	0.9130	1.2329	1.3285	1.4460	1.6146	1.8769	2.4717	4.6740	1.0000
n=22	0.1322	0.2967	0.4195	0.4972	0.5613	0.6193	0.6716	0.9183	1.2421	1.3285	1.4522	1.6072	1.8468	2.4445	4.1463	1.0000
n=23	0.1253	0.2992	0.4326	0.5158	0.5768	0.6287	0.6799	0.9162	1.2295	1.3216	1.4346	1.5812	1.8381	2.4125	4.7017	1.0000
n=24	0.1308	0.3184	0.4443	0.5229	0.5830	0.6397	0.6908	0.9214	1.2299	1.3145	1.4154	1.5657	1.8148	2.4117	4.0159	1.0000
n=25	0.1550	0.3191	0.4473	0.5275	0.5875	0.6445	0.6900	0.9237	1.2230	1.3143	1.4276	1.5699	1.7942	2.3639	4.0573	1.0000
n=26	0.1830	0.3309	0.4554	0.5366	0.5996	0.6501	0.6995	0.9282	1.2220	1.3040	1.4083	1.5545	1.7842	2.3117	3.7570	1.0000
n=27	0.1704	0.3397	0.4664	0.5482	0.6065	0.6569	0.7081	0.9331	1.2091	1.3008	1.4020	1.5275	1.7411	2.2870	3.8437	1.0000
n=28	0.1860	0.3517	0.4697	0.5506	0.6106	0.6602	0.7068	0.9300	1.2158	1.3003	1.4020	1.5342	1.7641	2.2538	3.6964	1.0000
n=29	0.1782	0.3648	0.4820	0.5587	0.6194	0.6720	0.7183	0.9286	1.2097	1.2882	1.3880	1.5300	1.7442	2.2745	3.5187	1.0000
n=30	0.2019	0.3594	0.4810	0.5587	0.6186	0.6742	0.7211	0.9396	1.2131	1.2924	1.3822	1.5157	1.7279	2.1908	3.3185	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-7 Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Formaldehyde

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	1.83E-04	0.0021	0.0083	0.0170	0.0278	0.0402	0.0534	0.1895	0.6625	0.9028	1.2918	1.9330	3.6943	13.2522	181.5219	1.0000
n=2	0.0018	0.0112	0.0308	0.0510	0.0723	0.0945	0.1211	0.3161	0.8433	1.1038	1.4821	2.0911	3.5707	9.4051	258.3682	1.0000
n=3	0.0039	0.0229	0.0516	0.0804	0.1072	0.1354	0.1668	0.3827	0.8735	1.0900	1.3901	1.9061	3.1327	7.9252	160.9563	1.0000
n=4	0.0074	0.0401	0.0824	0.1191	0.1544	0.1897	0.2254	0.4604	1.0091	1.2256	1.5389	2.0776	3.3258	7.3343	137.3435	1.0000
n=5	0.0082	0.0506	0.0985	0.1402	0.1783	0.2166	0.2566	0.5071	1.0145	1.2143	1.5302	2.0219	3.1010	6.7538	102.5063	1.0000
n=6	0.0171	0.0681	0.1267	0.1760	0.2171	0.2622	0.3033	0.5635	1.0608	1.2608	1.5546	2.0294	3.0350	6.3510	87.9007	1.0000
n=7	0.0249	0.0818	0.1446	0.1950	0.2433	0.2826	0.3236	0.5884	1.0890	1.2935	1.5672	2.0440	2.8806	5.9120	83.4198	1.0000
n=8	0.0260	0.0920	0.1589	0.2152	0.2585	0.2992	0.3409	0.5962	1.0979	1.2634	1.5364	1.9933	2.7447	5.4771	67.5304	1.0000
n=9	0.0387	0.1039	0.1726	0.2310	0.2799	0.3243	0.3682	0.6330	1.1156	1.2985	1.5501	1.9373	2.6610	5.5583	61.4154	1.0000
n=10	0.0379	0.1198	0.1897	0.2455	0.2926	0.3366	0.3796	0.6340	1.0928	1.2639	1.4953	1.8554	2.5386	5.0131	54.1825	1.0000
n=11	0.0386	0.1296	0.2024	0.2624	0.3100	0.3551	0.4008	0.6631	1.1339	1.3114	1.5444	1.9021	2.6609	4.8291	48.4575	1.0000
n=12	0.0501	0.1420	0.2201	0.2834	0.3336	0.3858	0.4317	0.7024	1.1700	1.3311	1.5667	1.9239	2.5583	4.3414	48.0924	1.0000
n=13	0.0411	0.1463	0.2286	0.2824	0.3311	0.3776	0.4224	0.6754	1.1304	1.2976	1.5398	1.8500	2.5031	4.5233	42.9216	1.0000
n=14	0.0582	0.1534	0.2380	0.2970	0.3450	0.3878	0.4283	0.6778	1.1033	1.2650	1.4600	1.7300	2.3318	4.6264	37.9977	1.0000
n=15	0.0777	0.1628	0.2496	0.3070	0.3599	0.4080	0.4525	0.7100	1.1297	1.2874	1.4880	1.7841	2.4426	4.6913	36.4139	1.0000
n=16	0.0896	0.1733	0.2559	0.3163	0.3652	0.4127	0.4561	0.7083	1.1348	1.2924	1.4891	1.7862	2.3325	4.4972	34.1012	1.0000
n=17	0.0824	0.1853	0.2659	0.3299	0.3800	0.4301	0.4733	0.7199	1.1420	1.2936	1.4879	1.7699	2.3800	4.5103	32.8766	1.0000
n=18	0.0643	0.1960	0.2753	0.3406	0.3907	0.4319	0.4772	0.7170	1.1397	1.2743	1.4645	1.7138	2.2779	4.7739	30.7838	1.0000
n=19	0.1068	0.1965	0.2852	0.3438	0.3966	0.4415	0.4837	0.7265	1.1326	1.2664	1.4435	1.7182	2.3292	4.5461	29.7651	1.0000
n=20	0.1112	0.2106	0.2978	0.3660	0.4160	0.4636	0.5084	0.7560	1.1562	1.2922	1.4677	1.7338	2.2563	4.1514	28.5591	1.0000
n=21	0.1041	0.2134	0.3048	0.3709	0.4289	0.4760	0.5237	0.7710	1.1670	1.2875	1.4523	1.7392	2.2715	4.1753	27.1668	1.0000
n=22	0.0922	0.2186	0.3043	0.3690	0.4203	0.4668	0.5129	0.7575	1.1428	1.2617	1.4409	1.7118	2.2333	4.4405	26.0812	1.0000
n=23	0.1251	0.2256	0.3145	0.3836	0.4305	0.4753	0.5194	0.7514	1.1270	1.2470	1.4069	1.6468	2.0913	4.2826	26.8994	1.0000
n=24	0.0899	0.2239	0.3129	0.3768	0.4272	0.4733	0.5175	0.7505	1.1311	1.2612	1.4218	1.6606	2.1342	4.1933	23.7016	1.0000
n=25	0.1465	0.2417	0.3270	0.3912	0.4421	0.4868	0.5321	0.7621	1.1237	1.2467	1.4156	1.6489	2.0923	4.0915	22.6990	1.0000
n=26	0.1211	0.2467	0.3336	0.4010	0.4508	0.4961	0.5370	0.7667	1.1289	1.2455	1.4080	1.6457	2.1009	3.8749	24.0703	1.0000
n=27	0.1165	0.2484	0.3478	0.4148	0.4690	0.5148	0.5572	0.7927	1.1680	1.2886	1.4468	1.6874	2.1058	3.9056	21.4916	1.0000
n=28	0.0856	0.2493	0.3424	0.4088	0.4597	0.5066	0.5480	0.7718	1.1211	1.2409	1.3820	1.6120	2.0315	4.1852	20.0135	1.0000
n=29	0.1559	0.2652	0.3605	0.4250	0.4732	0.5178	0.5600	0.7942	1.1593	1.2779	1.4265	1.6471	2.0415	3.6893	19.9166	1.0000
n=30	0.1456	0.2733	0.3611	0.4228	0.4757	0.5239	0.5696	0.8013	1.1601	1.2762	1.4227	1.6481	2.0611	3.8195	20.8997	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-8. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Lead

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	1.48E-10	3.14E-05	0.0010	0.0044	0.0113	0.0211	0.0365	0.2219	0.9252	1.2553	1.7725	2.6086	4.3202	11.7335	91.2873	1.0000
n=2	1.91E-05	0.0025	0.0160	0.0364	0.0612	0.0919	0.1263	0.4169	1.1253	1.4249	1.8040	2.4277	3.7847	8.3769	43.4636	1.0000
n=3	0.0006	0.0111	0.0444	0.0877	0.1297	0.1727	0.2232	0.5595	1.2051	1.4387	1.8189	2.3379	3.5019	6.6987	32.0547	1.0000
n=4	0.0008	0.0264	0.0765	0.1290	0.1806	0.2324	0.2903	0.6275	1.2549	1.5020	1.8071	2.2896	3.2210	5.7048	22.7697	1.0000
n=5	0.0052	0.0407	0.1074	0.1673	0.2210	0.2765	0.3303	0.6790	1.2712	1.4791	1.7374	2.1686	2.9542	5.2083	20.4010	1.0000
n=6	0.0049	0.0625	0.1393	0.2018	0.2617	0.3187	0.3737	0.6982	1.2612	1.4652	1.7325	2.1212	2.8657	4.6308	18.6706	1.0000
n=7	0.0166	0.0823	0.1622	0.2341	0.2965	0.3535	0.4088	0.7209	1.2678	1.4365	1.6804	2.0669	2.7267	4.4109	15.3773	1.0000
n=8	0.0169	0.0912	0.1819	0.2606	0.3267	0.3816	0.4425	0.7610	1.2669	1.4364	1.6701	2.0051	2.6306	4.0684	13.0582	1.0000
n=9	0.0287	0.1198	0.2118	0.2906	0.3541	0.4100	0.4693	0.7760	1.2753	1.4404	1.6493	1.9807	2.5468	3.7106	13.8998	1.0000
n=10	0.0239	0.1265	0.2333	0.3105	0.3741	0.4359	0.4869	0.7933	1.2533	1.4160	1.6254	1.9290	2.4301	3.7281	12.1341	1.0000
n=11	0.0302	0.1481	0.2500	0.3289	0.3911	0.4498	0.5031	0.8064	1.2654	1.4165	1.6140	1.9062	2.3971	3.5173	9.4352	1.0000
n=12	0.0588	0.1627	0.2697	0.3484	0.4114	0.4704	0.5302	0.8185	1.2646	1.4111	1.5844	1.8378	2.2918	3.4003	11.0586	1.0000
n=13	0.0549	0.1798	0.2925	0.3749	0.4393	0.4941	0.5499	0.8354	1.2656	1.4038	1.5767	1.8363	2.2561	3.1435	9.4000	1.0000
n=14	0.0556	0.1898	0.3041	0.3851	0.4485	0.5058	0.5600	0.8405	1.2575	1.3841	1.5605	1.7927	2.2048	3.1770	10.2853	1.0000
n=15	0.0388	0.1950	0.3096	0.3972	0.4597	0.5182	0.5752	0.8488	1.2545	1.3770	1.5438	1.7786	2.1692	3.1111	8.2139	1.0000
n=16	0.0676	0.2131	0.3250	0.4049	0.4755	0.5345	0.5878	0.8578	1.2605	1.3948	1.5485	1.7576	2.1091	2.9519	7.1420	1.0000
n=17	0.0930	0.2188	0.3330	0.4149	0.4887	0.5455	0.6003	0.8700	1.2484	1.3697	1.5303	1.7333	2.0801	2.9308	7.5693	1.0000
n=18	0.0823	0.2319	0.3523	0.4258	0.4916	0.5507	0.6043	0.8665	1.2513	1.3740	1.5192	1.7097	2.0569	2.8848	7.4579	1.0000
n=19	0.0713	0.2452	0.3605	0.4429	0.5049	0.5618	0.6152	0.8842	1.2485	1.3633	1.4928	1.6901	2.0073	2.7397	6.5870	1.0000
n=20	0.0952	0.2475	0.3740	0.4576	0.5165	0.5700	0.6206	0.8851	1.2413	1.3500	1.4936	1.6761	1.9809	2.7673	6.2885	1.0000
n=21	0.1185	0.2670	0.3843	0.4593	0.5264	0.5771	0.6269	0.8885	1.2497	1.3507	1.4967	1.6776	1.9549	2.6671	5.9937	1.0000
n=22	0.1099	0.2746	0.3943	0.4698	0.5301	0.5856	0.6416	0.8906	1.2416	1.3389	1.4704	1.6501	1.9272	2.6421	7.0478	1.0000
n=23	0.1312	0.2803	0.4014	0.4757	0.5386	0.5863	0.6295	0.8898	1.2352	1.3391	1.4857	1.6495	1.9159	2.6920	5.6981	1.0000
n=24	0.1140	0.2929	0.4081	0.4878	0.5467	0.6046	0.6505	0.8986	1.2332	1.3351	1.4606	1.6282	1.8950	2.5607	5.6601	1.0000
n=25	0.1533	0.3106	0.4255	0.5003	0.5580	0.6085	0.6582	0.8944	1.2226	1.3226	1.4469	1.6123	1.8925	2.5778	6.7254	1.0000
n=26	0.1318	0.3162	0.4358	0.5153	0.5730	0.6207	0.6672	0.9054	1.2239	1.3186	1.4372	1.5873	1.8574	2.5505	5.3797	1.0000
n=27	0.1710	0.3131	0.4305	0.5059	0.5681	0.6247	0.6723	0.9069	1.2216	1.3175	1.4299	1.5977	1.8520	2.5047	5.7119	1.0000
n=28	0.1397	0.3205	0.4315	0.5162	0.5775	0.6260	0.6738	0.9058	1.2248	1.3145	1.4334	1.5844	1.8296	2.5833	5.7434	1.0000
n=29	0.1687	0.3234	0.4519	0.5298	0.5860	0.6395	0.6880	0.9181	1.2109	1.3000	1.4018	1.5492	1.7773	2.4795	6.0836	1.0000
n=30	0.1304	0.3292	0.4577	0.5305	0.5891	0.6392	0.6865	0.9132	1.2140	1.3055	1.4095	1.5575	1.7879	2.5990	4.6602	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-9. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Mercury

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	8.37E-13	1.35E-06	8.02E-05	0.0006	0.0018	0.0041	0.0082	0.0822	0.5636	0.8393	1.3466	2.2836	4.7131	14.3430	72.1220	1.0000
n=2	1.33E-06	0.0004	0.0036	0.0104	0.0202	0.0330	0.0508	0.2271	0.8395	1.1390	1.6741	2.5145	4.5258	11.6641	40.0697	1.0000
n=3	1.90E-05	0.0021	0.0131	0.0284	0.0481	0.0703	0.0975	0.3259	0.9952	1.2944	1.7275	2.5155	4.0301	10.1118	26.8737	1.0000
n=4	0.0004	0.0063	0.0262	0.0505	0.0797	0.1121	0.1461	0.4234	1.1071	1.3460	1.7320	2.4130	3.7887	9.6370	35.9114	1.0000
n=5	0.0004	0.0137	0.0420	0.0757	0.1121	0.1504	0.1939	0.4903	1.1618	1.4077	1.7958	2.3925	3.5770	8.1302	19.2878	1.0000
n=6	0.0012	0.0190	0.0581	0.0962	0.1392	0.1832	0.2263	0.5239	1.1907	1.4409	1.8061	2.3502	3.4137	7.4936	16.3277	1.0000
n=7	0.0026	0.0288	0.0733	0.1209	0.1639	0.2102	0.2565	0.5684	1.2004	1.4503	1.7625	2.2491	3.3408	7.0833	16.2856	1.0000
n=8	0.0008	0.0402	0.0948	0.1457	0.1944	0.2434	0.2954	0.6043	1.2150	1.4546	1.7707	2.2394	3.2152	6.2738	14.4303	1.0000
n=9	0.0095	0.0459	0.1077	0.1640	0.2133	0.2663	0.3197	0.6441	1.2596	1.4751	1.7561	2.1686	3.0711	5.8869	9.8555	1.0000
n=10	0.0092	0.0533	0.1223	0.1830	0.2352	0.2858	0.3397	0.6600	1.2593	1.4616	1.7341	2.1263	3.0382	5.4057	10.6859	1.0000
n=11	0.0185	0.0655	0.1358	0.1975	0.2511	0.3023	0.3553	0.6787	1.2640	1.4571	1.7134	2.1312	2.9260	5.2926	10.9784	1.0000
n=12	0.0149	0.0808	0.1568	0.2165	0.2701	0.3263	0.3802	0.6945	1.2448	1.4256	1.6733	2.0973	2.8604	5.3126	10.3918	1.0000
n=13	0.0123	0.0865	0.1622	0.2260	0.2804	0.3351	0.3878	0.7069	1.2561	1.4330	1.6942	2.1066	2.8726	5.0952	9.0193	1.0000
n=14	0.0155	0.0917	0.1713	0.2356	0.2977	0.3560	0.4113	0.7292	1.2591	1.4271	1.6857	2.0547	2.7897	4.8227	9.7189	1.0000
n=15	0.0333	0.0986	0.1849	0.2541	0.3124	0.3726	0.4281	0.7388	1.2511	1.4108	1.6315	2.0212	2.7590	4.7732	8.3240	1.0000
n=16	0.0194	0.1114	0.1940	0.2626	0.3227	0.3781	0.4307	0.7359	1.2442	1.4233	1.6744	2.0347	2.7548	4.6281	7.7069	1.0000
n=17	0.0352	0.1189	0.2055	0.2775	0.3360	0.3941	0.4501	0.7603	1.2645	1.4402	1.6655	2.0068	2.6461	4.3121	9.1747	1.0000
n=18	0.0313	0.1233	0.2160	0.2881	0.3481	0.4075	0.4613	0.7686	1.2499	1.4157	1.6373	1.9680	2.6346	4.3658	7.9950	1.0000
n=19	0.0283	0.1324	0.2248	0.3007	0.3599	0.4145	0.4706	0.7628	1.2446	1.4135	1.6475	1.9687	2.6143	4.2295	7.9515	1.0000
n=20	0.0423	0.1412	0.2348	0.3108	0.3747	0.4339	0.4888	0.7911	1.2474	1.4001	1.6077	1.9183	2.5636	4.1262	8.1272	1.0000
n=21	0.0671	0.1561	0.2459	0.3242	0.3859	0.4394	0.4951	0.7983	1.2543	1.4109	1.6021	1.9050	2.5121	3.9689	6.6828	1.0000
n=22	0.0418	0.1505	0.2475	0.3309	0.3927	0.4487	0.5052	0.7972	1.2543	1.4050	1.6004	1.9027	2.4933	3.7793	7.4520	1.0000
n=23	0.0541	0.1701	0.2638	0.3363	0.4003	0.4577	0.5130	0.8025	1.2466	1.3976	1.6020	1.9014	2.4139	3.7976	6.7965	1.0000
n=24	0.0488	0.1702	0.2702	0.3471	0.4108	0.4712	0.5244	0.8092	1.2499	1.3979	1.5847	1.8947	2.4229	3.6443	7.2380	1.0000
n=25	0.0598	0.1682	0.2806	0.3586	0.4212	0.4766	0.5335	0.8067	1.2569	1.4010	1.5946	1.8872	2.4163	3.5146	6.1531	1.0000
n=26	0.0594	0.1803	0.2830	0.3587	0.4215	0.4831	0.5413	0.8194	1.2466	1.3911	1.5724	1.8545	2.3883	3.5856	6.2270	1.0000
n=27	0.0723	0.2016	0.3051	0.3812	0.4380	0.5014	0.5568	0.8362	1.2479	1.3839	1.5607	1.8238	2.2734	3.4164	5.4732	1.0000
n=28	0.0966	0.1960	0.3065	0.3795	0.4381	0.4973	0.5500	0.8266	1.2423	1.3724	1.5511	1.8074	2.3114	3.4864	6.1758	1.0000
n=29	0.0825	0.2028	0.3165	0.3885	0.4513	0.5033	0.5562	0.8329	1.2494	1.3829	1.5631	1.8130	2.2725	3.2676	5.8849	1.0000
n=30	0.0602	0.2075	0.3157	0.3908	0.4540	0.5046	0.5614	0.8322	1.2491	1.3923	1.5730	1.8257	2.2569	3.3217	5.3084	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-10. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Nickel

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	2.41E-11	1.73E-05	0.0008	0.0035	0.0092	0.0183	0.0318	0.2040	0.8906	1.2056	1.7240	2.5030	4.3261	12.0424	43.6753	1.0000
n=2	1.33E-05	0.0018	0.0119	0.0307	0.0541	0.0825	0.1161	0.3859	1.1167	1.3911	1.8237	2.5397	4.1327	8.5776	22.1211	1.0000
n=3	1.08E-04	0.0096	0.0392	0.0726	0.1107	0.1544	0.1985	0.5214	1.2172	1.4833	1.8699	2.4195	3.5740	6.8159	15.1499	1.0000
n=4	0.0009	0.0211	0.0705	0.1189	0.1660	0.2134	0.2633	0.5989	1.2627	1.4988	1.8094	2.3410	3.3980	5.9862	12.8160	1.0000
n=5	0.0015	0.0354	0.0962	0.1531	0.2070	0.2612	0.3169	0.6500	1.2651	1.4915	1.8049	2.2410	3.1664	5.1780	10.7395	1.0000
n=6	0.0047	0.0545	0.1214	0.1841	0.2422	0.2973	0.3509	0.6890	1.2947	1.4996	1.7679	2.1730	2.9895	4.8218	9.3692	1.0000
n=7	0.0074	0.0711	0.1457	0.2175	0.2757	0.3340	0.3913	0.7264	1.2935	1.4803	1.7328	2.1257	2.7959	4.5451	8.4255	1.0000
n=8	0.0087	0.0840	0.1709	0.2421	0.3031	0.3598	0.4155	0.7447	1.3101	1.4879	1.7501	2.0865	2.6711	4.1771	9.0439	1.0000
n=9	0.0244	0.0999	0.1971	0.2721	0.3285	0.3875	0.4441	0.7697	1.2883	1.4621	1.6997	2.0397	2.6234	3.8736	8.7615	1.0000
n=10	0.0207	0.1115	0.2089	0.2815	0.3451	0.4079	0.4677	0.7892	1.2960	1.4555	1.6723	1.9857	2.5039	3.7941	7.7865	1.0000
n=11	0.0265	0.1302	0.2337	0.3097	0.3754	0.4356	0.4920	0.8081	1.2921	1.4595	1.6719	1.9629	2.4601	3.4990	6.6650	1.0000
n=12	0.0509	0.1425	0.2444	0.3282	0.3975	0.4544	0.5107	0.8179	1.2857	1.4345	1.6506	1.9350	2.3897	3.4623	5.9180	1.0000
n=13	0.0572	0.1597	0.2661	0.3514	0.4153	0.4723	0.5295	0.8273	1.2768	1.4229	1.6065	1.8578	2.3456	3.3799	6.4147	1.0000
n=14	0.0550	0.1682	0.2781	0.3630	0.4252	0.4842	0.5426	0.8343	1.2915	1.4369	1.6163	1.8570	2.2763	3.2153	5.5220	1.0000
n=15	0.0504	0.1797	0.2990	0.3781	0.4397	0.4996	0.5598	0.8438	1.2795	1.4000	1.5865	1.8467	2.2349	3.0934	5.5964	1.0000
n=16	0.0621	0.1908	0.2982	0.3855	0.4531	0.5137	0.5689	0.8578	1.2787	1.4028	1.5710	1.8005	2.1821	3.1025	7.2688	1.0000
n=17	0.0671	0.1970	0.3224	0.4052	0.4675	0.5294	0.5846	0.8623	1.2693	1.4014	1.5581	1.7751	2.1593	2.9491	4.7167	1.0000
n=18	0.0677	0.2218	0.3258	0.4091	0.4714	0.5327	0.5879	0.8732	1.2785	1.4022	1.5623	1.7757	2.1158	2.8574	4.2786	1.0000
n=19	0.1005	0.2316	0.3390	0.4169	0.4843	0.5430	0.5961	0.8771	1.2736	1.3976	1.5538	1.7471	2.0698	2.7926	4.8845	1.0000
n=20	0.0777	0.2334	0.3523	0.4377	0.5008	0.5587	0.6108	0.8786	1.2639	1.3821	1.5237	1.7184	2.0523	2.7833	4.1370	1.0000
n=21	0.0870	0.2496	0.3704	0.4465	0.5101	0.5675	0.6184	0.8834	1.2654	1.3684	1.4990	1.6798	2.0141	2.7677	4.3073	1.0000
n=22	0.1114	0.2519	0.3691	0.4531	0.5178	0.5783	0.6332	0.8889	1.2543	1.3642	1.4990	1.6928	1.9987	2.7045	4.2005	1.0000
n=23	0.1149	0.2726	0.3828	0.4665	0.5237	0.5785	0.6332	0.8902	1.2621	1.3644	1.4945	1.6633	1.9792	2.6578	4.3459	1.0000
n=24	0.0924	0.2659	0.3838	0.4650	0.5288	0.5865	0.6390	0.8905	1.2585	1.3625	1.4915	1.6930	1.9851	2.6010	3.9699	1.0000
n=25	0.1245	0.2808	0.4025	0.4782	0.5409	0.5929	0.6435	0.8963	1.2531	1.3513	1.4776	1.6583	1.9360	2.6142	4.1780	1.0000
n=26	0.1375	0.2768	0.4037	0.4882	0.5540	0.6066	0.6525	0.8985	1.2543	1.3523	1.4777	1.6430	1.9109	2.5204	3.9942	1.0000
n=27	0.1236	0.2954	0.4138	0.4929	0.5539	0.6075	0.6615	0.9098	1.2436	1.3377	1.4578	1.6355	1.8977	2.4791	3.5348	1.0000
n=28	0.1510	0.3106	0.4272	0.5037	0.5658	0.6178	0.6670	0.9123	1.2403	1.3337	1.4528	1.6090	1.8640	2.4222	4.0106	1.0000
n=29	0.1332	0.3119	0.4245	0.5037	0.5694	0.6225	0.6678	0.9153	1.2461	1.3366	1.4549	1.6102	1.8478	2.4120	4.2936	1.0000
n=30	0.1602	0.3165	0.4340	0.5148	0.5712	0.6269	0.6742	0.9190	1.2350	1.3265	1.4444	1.5985	1.8694	2.3669	4.1793	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-11. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Nitrous Oxides, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.1416	0.2587	0.3701	0.4446	0.5044	0.5588	0.6096	0.8696	1.2393	1.3587	1.4998	1.7093	2.0545	2.9943	5.5528	1.0000
n=2	0.2265	0.3901	0.5015	0.5739	0.6274	0.6751	0.7194	0.9327	1.2015	1.2829	1.3798	1.5183	1.7403	2.2631	3.8511	1.0000
n=3	0.3204	0.4617	0.5633	0.6316	0.6871	0.7297	0.7680	0.9420	1.1764	1.2419	1.3241	1.4426	1.6154	2.0195	3.0657	1.0000
n=4	0.2955	0.5091	0.6093	0.6735	0.7204	0.7615	0.7983	0.9600	1.1638	1.2150	1.2830	1.3725	1.5344	1.8541	2.5579	1.0000
n=5	0.3708	0.5519	0.6456	0.7049	0.7486	0.7869	0.8197	0.9676	1.1439	1.1947	1.2550	1.3393	1.4675	1.7465	2.4604	1.0000
n=6	0.4036	0.5822	0.6693	0.7297	0.7697	0.8058	0.8357	0.9687	1.1349	1.1820	1.2365	1.3116	1.4205	1.6748	2.2584	1.0000
n=7	0.4686	0.6072	0.6922	0.7428	0.7833	0.8177	0.8448	0.9744	1.1248	1.1678	1.2189	1.2852	1.3953	1.6118	2.2140	1.0000
n=8	0.5088	0.6196	0.7056	0.7577	0.7951	0.8277	0.8551	0.9810	1.1208	1.1596	1.2073	1.2671	1.3677	1.5607	2.0763	1.0000
n=9	0.4746	0.6425	0.7247	0.7735	0.8092	0.8399	0.8653	0.9836	1.1165	1.1499	1.1908	1.2481	1.3408	1.5198	1.8287	1.0000
n=10	0.4809	0.6552	0.7370	0.7846	0.8196	0.8477	0.8734	0.9823	1.1090	1.1440	1.1834	1.2372	1.3199	1.4982	1.8867	1.0000
n=11	0.5417	0.6723	0.7489	0.7925	0.8270	0.8556	0.8799	0.9833	1.1041	1.1377	1.1760	1.2298	1.3075	1.4588	1.8777	1.0000
n=12	0.5649	0.6811	0.7595	0.8041	0.8353	0.8621	0.8853	0.9870	1.0986	1.1280	1.1643	1.2146	1.2887	1.4315	1.7721	1.0000
n=13	0.5121	0.6861	0.7671	0.8106	0.8400	0.8660	0.8897	0.9860	1.0979	1.1267	1.1617	1.2056	1.2763	1.4287	1.9729	1.0000
n=14	0.5267	0.6941	0.7721	0.8156	0.8465	0.8735	0.8952	0.9882	1.0945	1.1219	1.1558	1.1981	1.2644	1.4002	1.6499	1.0000
n=15	0.6087	0.7096	0.7807	0.8209	0.8511	0.8756	0.8966	0.9892	1.0921	1.1196	1.1510	1.1929	1.2536	1.3888	1.7609	1.0000
n=16	0.5918	0.7122	0.7853	0.8254	0.8561	0.8806	0.9002	0.9899	1.0883	1.1150	1.1460	1.1850	1.2510	1.3752	1.6631	1.0000
n=17	0.5916	0.7224	0.7906	0.8308	0.8581	0.8812	0.9022	0.9908	1.0857	1.1119	1.1414	1.1835	1.2452	1.3619	1.7127	1.0000
n=18	0.5874	0.7254	0.7967	0.8356	0.8621	0.8855	0.9063	0.9922	1.0840	1.1090	1.1366	1.1743	1.2355	1.3528	1.6208	1.0000
n=19	0.6092	0.7297	0.7973	0.8390	0.8644	0.8872	0.9075	0.9920	1.0841	1.1072	1.1374	1.1739	1.2335	1.3433	1.5599	1.0000
n=20	0.6001	0.7397	0.8031	0.8421	0.8681	0.8904	0.9095	0.9910	1.0812	1.1062	1.1334	1.1702	1.2232	1.3350	1.6738	1.0000
n=21	0.6160	0.7487	0.8117	0.8505	0.8761	0.8971	0.9164	0.9929	1.0761	1.0990	1.1252	1.1586	1.2117	1.3127	1.5727	1.0000
n=22	0.6382	0.7516	0.8139	0.8501	0.8749	0.8968	0.9151	0.9910	1.0759	1.0976	1.1238	1.1605	1.2152	1.3282	1.5215	1.0000
n=23	0.6339	0.7565	0.8184	0.8538	0.8779	0.8977	0.9167	0.9935	1.0755	1.0947	1.1223	1.1552	1.2070	1.3066	1.5196	1.0000
n=24	0.6462	0.7571	0.8203	0.8549	0.8800	0.9009	0.9200	0.9922	1.0737	1.0939	1.1204	1.1537	1.2045	1.3023	1.5079	1.0000
n=25	0.6576	0.7619	0.8256	0.8596	0.8829	0.9031	0.9190	0.9926	1.0723	1.0945	1.1177	1.1492	1.2011	1.3008	1.5536	1.0000
n=26	0.6592	0.7707	0.8286	0.8625	0.8862	0.9062	0.9226	0.9943	1.0696	1.0891	1.1130	1.1448	1.1922	1.2881	1.5349	1.0000
n=27	0.6408	0.7774	0.8323	0.8640	0.8883	0.9070	0.9228	0.9922	1.0701	1.0895	1.1152	1.1463	1.1930	1.2871	1.5554	1.0000
n=28	0.6480	0.7812	0.8364	0.8703	0.8926	0.9117	0.9268	0.9947	1.0663	1.0841	1.1083	1.1391	1.1854	1.2772	1.5329	1.0000
n=29	0.6705	0.7796	0.8382	0.8703	0.8931	0.9113	0.9269	0.9938	1.0668	1.0858	1.1089	1.1391	1.1840	1.2710	1.5720	1.0000
n=30	0.7031	0.7855	0.8406	0.8730	0.8939	0.9122	0.9281	0.9944	1.0659	1.0852	1.1059	1.1348	1.1763	1.2629	1.4240	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-12.Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, PM-Condensible, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0111	0.0393	0.0810	0.1179	0.1576	0.1967	0.2357	0.5199	1.1301	1.3541	1.7386	2.2816	3.3536	7.5628	28.2817	1.0000
n=2	0.0180	0.0938	0.1703	0.2308	0.2866	0.3348	0.3846	0.6863	1.2226	1.4124	1.6716	2.0724	2.9292	5.3004	14.2355	1.0000
n=3	0.0550	0.1389	0.2358	0.3078	0.3608	0.4181	0.4714	0.7562	1.2294	1.3979	1.6319	1.9619	2.6002	4.1920	13.0512	1.0000
n=4	0.0679	0.1869	0.2837	0.3606	0.4173	0.4682	0.5198	0.7990	1.2268	1.3642	1.5497	1.8489	2.4380	3.8517	9.4668	1.0000
n=5	0.1047	0.2292	0.3240	0.3980	0.4575	0.5127	0.5613	0.8250	1.2167	1.3457	1.5374	1.7956	2.2901	3.5186	7.7144	1.0000
n=6	0.1411	0.2552	0.3572	0.4359	0.4951	0.5509	0.5981	0.8469	1.2342	1.3603	1.5234	1.7549	2.1545	3.1749	6.2168	1.0000
n=7	0.1626	0.2829	0.3838	0.4590	0.5173	0.5705	0.6224	0.8636	1.2307	1.3441	1.4921	1.7153	2.0775	2.9450	6.5147	1.0000
n=8	0.1634	0.3134	0.4171	0.4949	0.5513	0.6004	0.6414	0.8730	1.2082	1.3217	1.4567	1.6523	2.0209	2.8287	6.2931	1.0000
n=9	0.1842	0.3237	0.4300	0.5054	0.5667	0.6154	0.6574	0.8865	1.2177	1.3182	1.4531	1.6367	1.9481	2.7113	5.8150	1.0000
n=10	0.1936	0.3502	0.4567	0.5334	0.5883	0.6350	0.6822	0.8981	1.1982	1.2932	1.4073	1.5913	1.8937	2.5913	5.3994	1.0000
n=11	0.2182	0.3622	0.4650	0.5388	0.5912	0.6416	0.6871	0.9090	1.2050	1.2874	1.4098	1.5745	1.8612	2.5511	4.6888	1.0000
n=12	0.1724	0.3778	0.4904	0.5579	0.6083	0.6566	0.6998	0.9091	1.2031	1.2885	1.4040	1.5591	1.8204	2.4220	5.1696	1.0000
n=13	0.1888	0.3915	0.4993	0.5681	0.6195	0.6624	0.7063	0.9153	1.2038	1.2890	1.4010	1.5480	1.7856	2.3194	4.0019	1.0000
n=14	0.2477	0.4001	0.5020	0.5745	0.6298	0.6742	0.7200	0.9252	1.1933	1.2720	1.3701	1.5077	1.7617	2.3424	3.4040	1.0000
n=15	0.1953	0.4221	0.5310	0.5985	0.6495	0.6913	0.7311	0.9263	1.1919	1.2637	1.3611	1.4930	1.7171	2.2200	3.4840	1.0000
n=16	0.3022	0.4322	0.5380	0.6108	0.6598	0.7031	0.7418	0.9305	1.1766	1.2510	1.3456	1.4816	1.7121	2.2159	3.9892	1.0000
n=17	0.2569	0.4457	0.5540	0.6159	0.6676	0.7092	0.7446	0.9362	1.1788	1.2510	1.3377	1.4660	1.6706	2.1420	3.8410	1.0000
n=18	0.2730	0.4500	0.5541	0.6235	0.6710	0.7127	0.7500	0.9349	1.1821	1.2522	1.3356	1.4627	1.6611	2.1536	3.3821	1.0000
n=19	0.2436	0.4522	0.5614	0.6274	0.6754	0.7184	0.7555	0.9393	1.1780	1.2484	1.3308	1.4419	1.6417	2.0904	3.2359	1.0000
n=20	0.2935	0.4691	0.5724	0.6380	0.6846	0.7247	0.7639	0.9417	1.1768	1.2430	1.3279	1.4397	1.6229	2.0589	3.2660	1.0000
n=21	0.3317	0.4711	0.5758	0.6385	0.6871	0.7291	0.7676	0.9445	1.1719	1.2364	1.3197	1.4284	1.6155	2.0390	3.3223	1.0000
n=22	0.2957	0.4814	0.5832	0.6477	0.6940	0.7338	0.7724	0.9482	1.1703	1.2282	1.3040	1.4184	1.6070	2.0069	3.0825	1.0000
n=23	0.3648	0.4908	0.5914	0.6585	0.7058	0.7462	0.7792	0.9522	1.1607	1.2247	1.3006	1.4023	1.5916	1.9786	3.3515	1.0000
n=24	0.3290	0.4970	0.6009	0.6610	0.7071	0.7449	0.7797	0.9544	1.1641	1.2212	1.2938	1.3985	1.5639	1.9555	3.2684	1.0000
n=25	0.3102	0.5042	0.6073	0.6680	0.7144	0.7527	0.7890	0.9524	1.1614	1.2185	1.2883	1.3937	1.5638	1.9007	2.8738	1.0000
n=26	0.3775	0.5071	0.6105	0.6674	0.7158	0.7527	0.7891	0.9529	1.1592	1.2202	1.2878	1.3925	1.5444	1.8968	3.0928	1.0000
n=27	0.3552	0.5140	0.6154	0.6805	0.7221	0.7590	0.7947	0.9555	1.1594	1.2161	1.2890	1.3783	1.5238	1.9084	2.9766	1.0000
n=28	0.3163	0.5242	0.6203	0.6833	0.7259	0.7642	0.7979	0.9534	1.1571	1.2101	1.2854	1.3745	1.5232	1.8992	3.1307	1.0000
n=29	0.3885	0.5332	0.6261	0.6827	0.7278	0.7638	0.8006	0.9566	1.1536	1.2129	1.2807	1.3650	1.5168	1.8509	3.2415	1.0000
n=30	0.3940	0.5332	0.6295	0.6880	0.7321	0.7722	0.8055	0.9629	1.1464	1.2017	1.2666	1.3567	1.5057	1.8455	2.9179	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-13. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion (Wet Wood), PM-Filterable, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0817	0.2374	0.3403	0.4220	0.4904	0.5420	0.5963	0.8638	1.2511	1.3794	1.5243	1.7239	2.1045	2.9863	7.2569	1.0000
n=2	0.2016	0.3698	0.4847	0.5622	0.6159	0.6642	0.7118	0.9239	1.2069	1.2923	1.3926	1.5336	1.7669	2.3016	5.4259	1.0000
n=3	0.2857	0.4415	0.5505	0.6227	0.6771	0.7178	0.7592	0.9440	1.1805	1.2469	1.3292	1.4356	1.6297	2.0672	4.0217	1.0000
n=4	0.3195	0.4994	0.5965	0.6650	0.7109	0.7512	0.7858	0.9608	1.1661	1.2218	1.2918	1.3857	1.5386	1.8726	3.1945	1.0000
n=5	0.3997	0.5332	0.6320	0.6956	0.7407	0.7783	0.8132	0.9649	1.1484	1.2003	1.2642	1.3467	1.4770	1.7870	2.8880	1.0000
n=6	0.4079	0.5681	0.6587	0.7157	0.7588	0.7943	0.8261	0.9702	1.1393	1.1844	1.2388	1.3219	1.4425	1.7315	2.3995	1.0000
n=7	0.4070	0.5891	0.6826	0.7380	0.7759	0.8107	0.8381	0.9726	1.1288	1.1737	1.2283	1.2954	1.4035	1.6622	2.4875	1.0000
n=8	0.4203	0.6095	0.6974	0.7477	0.7882	0.8216	0.8491	0.9777	1.1254	1.1664	1.2134	1.2780	1.3804	1.5894	2.2515	1.0000
n=9	0.4587	0.6293	0.7123	0.7628	0.7995	0.8312	0.8587	0.9836	1.1174	1.1551	1.2007	1.2599	1.3503	1.5303	2.0625	1.0000
n=10	0.4940	0.6373	0.7279	0.7771	0.8125	0.8442	0.8690	0.9816	1.1112	1.1445	1.1886	1.2468	1.3294	1.5175	2.1020	1.0000
n=11	0.5469	0.6566	0.7392	0.7850	0.8202	0.8503	0.8739	0.9834	1.1062	1.1402	1.1813	1.2340	1.3154	1.5015	1.9645	1.0000
n=12	0.4795	0.6626	0.7449	0.7906	0.8259	0.8524	0.8767	0.9837	1.1029	1.1358	1.1728	1.2223	1.3103	1.5003	2.2408	1.0000
n=13	0.5545	0.6783	0.7524	0.7983	0.8312	0.8583	0.8835	0.9860	1.1035	1.1358	1.1705	1.2160	1.2907	1.4525	1.9459	1.0000
n=14	0.5608	0.6831	0.7657	0.8093	0.8400	0.8662	0.8891	0.9868	1.0975	1.1235	1.1581	1.2059	1.2797	1.4456	1.7921	1.0000
n=15	0.5386	0.6937	0.7695	0.8133	0.8449	0.8707	0.8919	0.9888	1.0935	1.1230	1.1563	1.2010	1.2745	1.4172	1.8420	1.0000
n=16	0.5777	0.7021	0.7737	0.8165	0.8479	0.8720	0.8941	0.9877	1.0900	1.1184	1.1534	1.2007	1.2695	1.4080	1.7199	1.0000
n=17	0.5981	0.7089	0.7833	0.8225	0.8539	0.8770	0.8982	0.9877	1.0890	1.1159	1.1482	1.1906	1.2553	1.4048	1.8458	1.0000
n=18	0.5956	0.7196	0.7904	0.8295	0.8583	0.8819	0.9031	0.9889	1.0837	1.1091	1.1393	1.1807	1.2462	1.3937	1.7752	1.0000
n=19	0.5842	0.7268	0.7965	0.8335	0.8601	0.8832	0.9035	0.9913	1.0849	1.1075	1.1376	1.1796	1.2418	1.3681	1.7412	1.0000
n=20	0.6296	0.7274	0.8000	0.8357	0.8634	0.8854	0.9059	0.9889	1.0845	1.1110	1.1384	1.1725	1.2282	1.3553	1.8406	1.0000
n=21	0.6130	0.7364	0.8036	0.8416	0.8667	0.8893	0.9083	0.9901	1.0807	1.1049	1.1326	1.1716	1.2269	1.3445	1.8896	1.0000
n=22	0.6416	0.7394	0.8065	0.8440	0.8712	0.8930	0.9112	0.9914	1.0792	1.1030	1.1289	1.1641	1.2188	1.3329	1.6109	1.0000
n=23	0.5938	0.7483	0.8125	0.8479	0.8726	0.8946	0.9118	0.9895	1.0784	1.1009	1.1297	1.1647	1.2170	1.3357	1.6044	1.0000
n=24	0.6171	0.7556	0.8149	0.8510	0.8756	0.8956	0.9143	0.9924	1.0755	1.0981	1.1253	1.1625	1.2124	1.3147	1.6387	1.0000
n=25	0.6521	0.7572	0.8191	0.8530	0.8779	0.8987	0.9174	0.9920	1.0735	1.0965	1.1226	1.1570	1.2072	1.3204	1.6724	1.0000
n=26	0.6296	0.7557	0.8190	0.8565	0.8792	0.8996	0.9172	0.9924	1.0736	1.0942	1.1206	1.1550	1.2097	1.3199	1.6819	1.0000
n=27	0.6578	0.7693	0.8267	0.8576	0.8816	0.9012	0.9191	0.9928	1.0725	1.0925	1.1165	1.1508	1.2018	1.3006	1.6117	1.0000
n=28	0.6582	0.7673	0.8277	0.8619	0.8843	0.9043	0.9226	0.9925	1.0701	1.0908	1.1155	1.1477	1.1921	1.2971	1.5688	1.0000
n=29	0.6697	0.7718	0.8301	0.8616	0.8863	0.9052	0.9218	0.9942	1.0706	1.0904	1.1147	1.1483	1.1907	1.2898	1.5641	1.0000
n=30	0.6508	0.7760	0.8324	0.8661	0.8892	0.9082	0.9246	0.9935	1.0685	1.0891	1.1118	1.1402	1.1876	1.2847	1.6276	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-14. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion (Dry Wood), PM-Filterable, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.1856	0.3642	0.4770	0.5478	0.6024	0.6513	0.6949	0.9157	1.2112	1.2995	1.4095	1.5596	1.8019	2.3773	4.1247	1.0000
n=2	0.3316	0.4877	0.5937	0.6564	0.7031	0.7441	0.7828	0.9575	1.1650	1.2245	1.3021	1.3981	1.5608	1.9136	2.8900	1.0000
n=3	0.4157	0.5628	0.6488	0.7104	0.7564	0.7935	0.8248	0.9697	1.1449	1.1906	1.2462	1.3237	1.4503	1.7217	2.4719	1.0000
n=4	0.4835	0.6038	0.6982	0.7505	0.7890	0.8206	0.8512	0.9803	1.1253	1.1640	1.2119	1.2743	1.3731	1.5744	2.2509	1.0000
n=5	0.4593	0.6432	0.7214	0.7702	0.8087	0.8390	0.8657	0.9820	1.1121	1.1459	1.1918	1.2508	1.3378	1.5424	2.0957	1.0000
n=6	0.5291	0.6639	0.7439	0.7914	0.8267	0.8542	0.8782	0.9844	1.1050	1.1365	1.1787	1.2314	1.3083	1.4613	1.7443	1.0000
n=7	0.4712	0.6837	0.7581	0.8052	0.8370	0.8633	0.8877	0.9900	1.0979	1.1286	1.1630	1.2093	1.2798	1.4343	1.7313	1.0000
n=8	0.5901	0.7037	0.7751	0.8208	0.8522	0.8762	0.8964	0.9881	1.0909	1.1191	1.1519	1.1938	1.2618	1.3915	1.6990	1.0000
n=9	0.6043	0.7257	0.7908	0.8291	0.8570	0.8821	0.9015	0.9891	1.0862	1.1117	1.1463	1.1836	1.2440	1.3679	1.6392	1.0000
n=10	0.6115	0.7331	0.7969	0.8357	0.8626	0.8857	0.9068	0.9917	1.0845	1.1106	1.1380	1.1769	1.2340	1.3420	1.5964	1.0000
n=11	0.5629	0.7356	0.8044	0.8426	0.8688	0.8914	0.9112	0.9923	1.0794	1.1025	1.1287	1.1646	1.2220	1.3401	1.5781	1.0000
n=12	0.6214	0.7492	0.8142	0.8519	0.8762	0.8973	0.9149	0.9915	1.0771	1.1000	1.1263	1.1591	1.2098	1.3224	1.5875	1.0000
n=13	0.6108	0.7584	0.8193	0.8547	0.8803	0.9005	0.9173	0.9935	1.0761	1.0965	1.1218	1.1541	1.2023	1.2986	1.5161	1.0000
n=14	0.6556	0.7678	0.8236	0.8586	0.8830	0.9022	0.9202	0.9949	1.0723	1.0929	1.1159	1.1479	1.1923	1.2940	1.5303	1.0000
n=15	0.6031	0.7689	0.8316	0.8657	0.8888	0.9057	0.9232	0.9939	1.0692	1.0889	1.1120	1.1420	1.1922	1.2875	1.5427	1.0000
n=16	0.6804	0.7803	0.8357	0.8697	0.8935	0.9124	0.9270	0.9942	1.0673	1.0867	1.1083	1.1368	1.1811	1.2689	1.4995	1.0000
n=17	0.6959	0.7860	0.8387	0.8723	0.8955	0.9121	0.9284	0.9943	1.0665	1.0850	1.1062	1.1334	1.1760	1.2676	1.5015	1.0000
n=18	0.6902	0.7856	0.8437	0.8755	0.8967	0.9142	0.9285	0.9946	1.0651	1.0826	1.1047	1.1319	1.1738	1.2569	1.3821	1.0000
n=19	0.6946	0.7978	0.8500	0.8782	0.8983	0.9156	0.9319	0.9954	1.0628	1.0796	1.0994	1.1276	1.1717	1.2469	1.4003	1.0000
n=20	0.7080	0.8029	0.8536	0.8833	0.9031	0.9196	0.9334	0.9952	1.0605	1.0772	1.0975	1.1235	1.1636	1.2386	1.4317	1.0000
n=21	0.6778	0.8008	0.8563	0.8853	0.9048	0.9208	0.9359	0.9960	1.0606	1.0769	1.0953	1.1187	1.1590	1.2338	1.4083	1.0000
n=22	0.6852	0.8109	0.8577	0.8874	0.9081	0.9239	0.9376	0.9949	1.0582	1.0753	1.0948	1.1197	1.1560	1.2280	1.4648	1.0000
n=23	0.7055	0.8143	0.8623	0.8899	0.9088	0.9250	0.9389	0.9952	1.0561	1.0720	1.0914	1.1161	1.1543	1.2226	1.3782	1.0000
n=24	0.6963	0.8156	0.8649	0.8939	0.9130	0.9280	0.9409	0.9956	1.0557	1.0715	1.0897	1.1105	1.1450	1.2211	1.4118	1.0000
n=25	0.7294	0.8189	0.8670	0.8956	0.9138	0.9286	0.9421	0.9960	1.0548	1.0697	1.0859	1.1083	1.1450	1.2186	1.3699	1.0000
n=26	0.7060	0.8197	0.8721	0.8966	0.9150	0.9291	0.9422	0.9960	1.0533	1.0687	1.0864	1.1092	1.1431	1.2097	1.4032	1.0000
n=27	0.7222	0.8259	0.8729	0.8997	0.9169	0.9308	0.9435	0.9967	1.0533	1.0670	1.0837	1.1077	1.1377	1.1945	1.3396	1.0000
n=28	0.7168	0.8305	0.8725	0.8999	0.9193	0.9327	0.9443	0.9969	1.0523	1.0653	1.0822	1.1039	1.1362	1.1984	1.4458	1.0000
n=29	0.7414	0.8323	0.8794	0.9023	0.9195	0.9340	0.9453	0.9969	1.0509	1.0647	1.0813	1.1021	1.1342	1.1956	1.3212	1.0000
n=30	0.7456	0.8405	0.8797	0.9045	0.9211	0.9350	0.9471	0.9961	1.0509	1.0636	1.0795	1.0992	1.1292	1.1905	1.3252	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-15. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, PM-Filterable, Wet Scrubber

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.3257	0.4715	0.5713	0.6415	0.6883	0.7333	0.7734	0.9577	1.1722	1.2348	1.3137	1.4177	1.5877	1.9177	3.0074	1.0000
n=2	0.4186	0.5756	0.6754	0.7336	0.7767	0.8111	0.8404	0.9781	1.1369	1.1788	1.2292	1.2923	1.3947	1.6126	2.2163	1.0000
n=3	0.5012	0.6511	0.7322	0.7826	0.8171	0.8468	0.8724	0.9817	1.1106	1.1463	1.1860	1.2387	1.3188	1.5078	1.9201	1.0000
n=4	0.5607	0.6931	0.7671	0.8099	0.8400	0.8673	0.8909	0.9891	1.0964	1.1245	1.1578	1.2048	1.2712	1.4109	1.7395	1.0000
n=5	0.5669	0.7139	0.7853	0.8244	0.8529	0.8792	0.9016	0.9909	1.0909	1.1154	1.1451	1.1849	1.2473	1.3623	1.6360	1.0000
n=6	0.5929	0.7411	0.8053	0.8414	0.8690	0.8918	0.9117	0.9938	1.0812	1.1044	1.1297	1.1649	1.2199	1.3297	1.6840	1.0000
n=7	0.6256	0.7563	0.8185	0.8549	0.8804	0.9003	0.9195	0.9938	1.0731	1.0954	1.1206	1.1537	1.2031	1.3060	1.5654	1.0000
n=8	0.6147	0.7700	0.8282	0.8612	0.8860	0.9048	0.9220	0.9939	1.0715	1.0925	1.1156	1.1457	1.1898	1.2776	1.5527	1.0000
n=9	0.6722	0.7860	0.8354	0.8705	0.8921	0.9107	0.9268	0.9945	1.0672	1.0871	1.1082	1.1365	1.1818	1.2650	1.4860	1.0000
n=10	0.6755	0.7888	0.8456	0.8760	0.8974	0.9147	0.9307	0.9955	1.0657	1.0832	1.1040	1.1291	1.1661	1.2479	1.3852	1.0000
n=11	0.6793	0.8007	0.8548	0.8840	0.9030	0.9202	0.9344	0.9967	1.0599	1.0771	1.0969	1.1219	1.1585	1.2344	1.4139	1.0000
n=12	0.6979	0.8044	0.8607	0.8890	0.9086	0.9241	0.9378	0.9958	1.0578	1.0733	1.0924	1.1151	1.1529	1.2275	1.3865	1.0000
n=13	0.7109	0.8066	0.8621	0.8903	0.9109	0.9261	0.9406	0.9973	1.0570	1.0721	1.0894	1.1126	1.1479	1.2102	1.4066	1.0000
n=14	0.7162	0.8234	0.8678	0.8960	0.9137	0.9281	0.9411	0.9964	1.0543	1.0695	1.0880	1.1096	1.1409	1.2108	1.3757	1.0000
n=15	0.7306	0.8265	0.8734	0.8982	0.9167	0.9309	0.9431	0.9973	1.0524	1.0664	1.0835	1.1053	1.1404	1.2046	1.3648	1.0000
n=16	0.7316	0.8337	0.8776	0.9037	0.9202	0.9337	0.9458	0.9965	1.0498	1.0640	1.0809	1.1034	1.1342	1.1960	1.3554	1.0000
n=17	0.7416	0.8331	0.8808	0.9045	0.9216	0.9357	0.9472	0.9972	1.0501	1.0632	1.0787	1.0981	1.1287	1.1900	1.3763	1.0000
n=18	0.7422	0.8417	0.8841	0.9079	0.9238	0.9376	0.9493	0.9968	1.0478	1.0613	1.0764	1.0954	1.1281	1.1865	1.3248	1.0000
n=19	0.7468	0.8431	0.8861	0.9084	0.9258	0.9387	0.9503	0.9967	1.0476	1.0609	1.0762	1.0965	1.1232	1.1729	1.3055	1.0000
n=20	0.7664	0.8497	0.8885	0.9118	0.9270	0.9398	0.9506	0.9984	1.0457	1.0579	1.0721	1.0908	1.1183	1.1710	1.2876	1.0000
n=21	0.7626	0.8499	0.8896	0.9133	0.9299	0.9428	0.9535	0.9978	1.0447	1.0565	1.0703	1.0871	1.1158	1.1739	1.2912	1.0000
n=22	0.7683	0.8563	0.8932	0.9170	0.9318	0.9437	0.9540	0.9978	1.0429	1.0550	1.0689	1.0877	1.1147	1.1613	1.2621	1.0000
n=23	0.7339	0.8575	0.8964	0.9189	0.9330	0.9440	0.9547	0.9986	1.0422	1.0534	1.0671	1.0849	1.1115	1.1626	1.3136	1.0000
n=24	0.7830	0.8625	0.8991	0.9191	0.9334	0.9451	0.9551	0.9980	1.0414	1.0532	1.0674	1.0834	1.1087	1.1555	1.2991	1.0000
n=25	0.8022	0.8620	0.8998	0.9211	0.9353	0.9464	0.9558	0.9979	1.0406	1.0522	1.0649	1.0812	1.1071	1.1577	1.2761	1.0000
n=26	0.8047	0.8680	0.9019	0.9226	0.9366	0.9482	0.9577	0.9974	1.0411	1.0521	1.0645	1.0803	1.1047	1.1529	1.2690	1.0000
n=27	0.8002	0.8694	0.9050	0.9253	0.9384	0.9501	0.9588	0.9977	1.0394	1.0497	1.0625	1.0784	1.1024	1.1473	1.2413	1.0000
n=28	0.7853	0.8702	0.9066	0.9258	0.9389	0.9499	0.9594	0.9978	1.0390	1.0494	1.0606	1.0762	1.1008	1.1402	1.2716	1.0000
n=29	0.7977	0.8729	0.9053	0.9265	0.9400	0.9505	0.9598	0.9984	1.0385	1.0482	1.0602	1.0761	1.0992	1.1409	1.2371	1.0000
n=30	0.8077	0.8777	0.9095	0.9279	0.9416	0.9526	0.9616	0.9978	1.0370	1.0466	1.0582	1.0745	1.0961	1.1419	1.2649	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-16. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion (Wet Wood), PM-Filterable, Mechanical Collector

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	25 Percentile	50 Percentile	75 Percentile	Median	75 Percentile	90 Percentile	95 Percentile	97.5 Percentile	99 Percentile	99.5 Percentile	99.9 Percentile	Maximum	Mean
n=1	3.81E-05	0.0027	0.0223	0.0581	0.0976	0.1478	0.2003	0.5707	1.3238	1.5948	1.9354	2.4228	3.5042	5.8144	19.9788	1.0000
n=2	0.0017	0.0413	0.1135	0.1875	0.2517	0.3184	0.3851	0.7594	1.3382	1.5328	1.7606	2.1327	2.7358	4.0643	11.4850	1.0000
n=3	0.0191	0.0979	0.1971	0.2825	0.3548	0.4221	0.4910	0.8272	1.3288	1.4793	1.6700	1.9325	2.3678	3.4029	7.9990	1.0000
n=4	0.0269	0.1465	0.2652	0.3507	0.4278	0.4939	0.5543	0.8686	1.2962	1.4201	1.5781	1.8089	2.1729	3.0699	7.2362	1.0000
n=5	0.0500	0.1819	0.3124	0.4008	0.4702	0.5380	0.5978	0.8885	1.2864	1.4023	1.5532	1.7462	2.0575	2.7582	5.1869	1.0000
n=6	0.0525	0.2247	0.3499	0.4424	0.5133	0.5756	0.6344	0.9108	1.2694	1.3808	1.5002	1.6760	1.9544	2.5682	5.1536	1.0000
n=7	0.0770	0.2664	0.3895	0.4769	0.5467	0.6082	0.6645	0.9204	1.2471	1.3405	1.4565	1.6155	1.8904	2.4684	4.2048	1.0000
n=8	0.0736	0.2914	0.4293	0.5123	0.5741	0.6323	0.6808	0.9310	1.2536	1.3347	1.4426	1.5731	1.8097	2.2591	4.0498	1.0000
n=9	0.1038	0.2960	0.4404	0.5288	0.5972	0.6528	0.7032	0.9427	1.2312	1.3144	1.4106	1.5445	1.7757	2.2149	4.0636	1.0000
n=10	0.1882	0.3392	0.4672	0.5522	0.6139	0.6710	0.7187	0.9469	1.2208	1.3000	1.3959	1.5199	1.7196	2.1348	3.4018	1.0000
n=11	0.1844	0.3623	0.4846	0.5682	0.6327	0.6877	0.7353	0.9566	1.2131	1.2878	1.3747	1.4909	1.6520	2.0624	2.9878	1.0000
n=12	0.2076	0.3742	0.5027	0.5854	0.6450	0.6944	0.7402	0.9560	1.2067	1.2760	1.3597	1.4680	1.6468	2.0453	3.4128	1.0000
n=13	0.1857	0.4018	0.5149	0.5980	0.6554	0.7068	0.7540	0.9575	1.2037	1.2686	1.3536	1.4610	1.6337	1.9628	3.0133	1.0000
n=14	0.2124	0.4066	0.5299	0.6077	0.6663	0.7136	0.7605	0.9568	1.1963	1.2652	1.3414	1.4432	1.6133	1.9880	2.9421	1.0000
n=15	0.2326	0.4199	0.5444	0.6228	0.6815	0.7306	0.7739	0.9635	1.1857	1.2505	1.3232	1.4188	1.5789	1.9198	3.3607	1.0000
n=16	0.2073	0.4337	0.5586	0.6357	0.6922	0.7367	0.7788	0.9668	1.1799	1.2409	1.3112	1.4037	1.5582	1.8772	2.8651	1.0000
n=17	0.2706	0.4437	0.5663	0.6390	0.6937	0.7386	0.7812	0.9666	1.1818	1.2407	1.3102	1.3988	1.5460	1.8584	2.6560	1.0000
n=18	0.2415	0.4616	0.5815	0.6532	0.7064	0.7508	0.7915	0.9699	1.1741	1.2305	1.3000	1.3865	1.5301	1.8288	2.4312	1.0000
n=19	0.3030	0.4778	0.5888	0.6580	0.7103	0.7568	0.7945	0.9716	1.1724	1.2269	1.2913	1.3777	1.5074	1.7740	2.4969	1.0000
n=20	0.2120	0.4821	0.5945	0.6692	0.7218	0.7657	0.8052	0.9719	1.1650	1.2153	1.2825	1.3682	1.4955	1.7665	2.4966	1.0000
n=21	0.2511	0.4793	0.6074	0.6739	0.7258	0.7703	0.8096	0.9722	1.1625	1.2133	1.2735	1.3592	1.4842	1.7661	2.3384	1.0000
n=22	0.3408	0.4981	0.6129	0.6835	0.7340	0.7773	0.8150	0.9732	1.1614	1.2072	1.2680	1.3486	1.4737	1.7290	2.4816	1.0000
n=23	0.3554	0.5069	0.6248	0.6905	0.7415	0.7806	0.8188	0.9770	1.1515	1.2001	1.2635	1.3347	1.4519	1.7118	2.2930	1.0000
n=24	0.3453	0.5225	0.6302	0.7005	0.7490	0.7846	0.8208	0.9751	1.1557	1.2053	1.2598	1.3351	1.4418	1.6944	2.3664	1.0000
n=25	0.3151	0.5298	0.6330	0.6957	0.7457	0.7860	0.8217	0.9769	1.1522	1.1956	1.2505	1.3273	1.4521	1.7048	2.2666	1.0000
n=26	0.3413	0.5325	0.6413	0.7081	0.7520	0.7933	0.8279	0.9769	1.1505	1.1985	1.2526	1.3187	1.4204	1.6616	2.2574	1.0000
n=27	0.3414	0.5411	0.6520	0.7152	0.7630	0.7993	0.8323	0.9807	1.1463	1.1906	1.2406	1.3084	1.4105	1.6367	2.1498	1.0000
n=28	0.3674	0.5465	0.6565	0.7197	0.7647	0.8022	0.8337	0.9787	1.1433	1.1895	1.2382	1.3083	1.4125	1.6170	2.3034	1.0000
n=29	0.3114	0.5482	0.6586	0.7235	0.7658	0.8039	0.8348	0.9772	1.1412	1.1829	1.2369	1.3046	1.4162	1.6575	2.4665	1.0000
n=30	0.4125	0.5570	0.6633	0.7271	0.7725	0.8107	0.8418	0.9833	1.1379	1.1787	1.2300	1.2933	1.3936	1.6133	2.3018	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-17. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion (Dry Wood), PM-Filterable, Mechanical Collector

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.2200	0.3489	0.4660	0.5458	0.6037	0.6562	0.6965	0.9258	1.2156	1.2916	1.4032	1.5430	1.7923	2.3515	4.5641	1.0000
n=2	0.3389	0.4932	0.5951	0.6579	0.7088	0.7508	0.7899	0.9613	1.1651	1.2263	1.2978	1.3937	1.5278	1.8573	2.7783	1.0000
n=3	0.3854	0.5624	0.6575	0.7149	0.7586	0.7952	0.8266	0.9697	1.1408	1.1875	1.2442	1.3177	1.4423	1.7208	2.4828	1.0000
n=4	0.4054	0.6037	0.7013	0.7556	0.7913	0.8216	0.8511	0.9785	1.1241	1.1648	1.2123	1.2762	1.3763	1.5874	2.0841	1.0000
n=5	0.5005	0.6393	0.7243	0.7734	0.8106	0.8390	0.8673	0.9817	1.1158	1.1484	1.1939	1.2484	1.3314	1.5086	2.0042	1.0000
n=6	0.5034	0.6613	0.7464	0.7905	0.8244	0.8528	0.8790	0.9868	1.1034	1.1342	1.1723	1.2237	1.3052	1.4756	1.8556	1.0000
n=7	0.5797	0.6845	0.7599	0.8061	0.8355	0.8638	0.8867	0.9889	1.0989	1.1285	1.1632	1.2073	1.2832	1.4180	1.6808	1.0000
n=8	0.5716	0.7032	0.7764	0.8163	0.8481	0.8726	0.8956	0.9902	1.0927	1.1197	1.1519	1.1953	1.2626	1.4039	1.8278	1.0000
n=9	0.6041	0.7131	0.7872	0.8288	0.8582	0.8809	0.9024	0.9902	1.0869	1.1124	1.1446	1.1840	1.2440	1.3668	1.7313	1.0000
n=10	0.5767	0.7281	0.7961	0.8362	0.8643	0.8862	0.9055	0.9929	1.0843	1.1090	1.1375	1.1739	1.2291	1.3449	1.6697	1.0000
n=11	0.5814	0.7412	0.8063	0.8432	0.8685	0.8914	0.9108	0.9910	1.0788	1.1014	1.1328	1.1715	1.2300	1.3362	1.6570	1.0000
n=12	0.6598	0.7562	0.8171	0.8525	0.8759	0.8958	0.9138	0.9929	1.0767	1.0983	1.1247	1.1572	1.2096	1.3163	1.5304	1.0000
n=13	0.6663	0.7591	0.8216	0.8590	0.8817	0.9021	0.9195	0.9930	1.0729	1.0935	1.1180	1.1501	1.2014	1.3030	1.5582	1.0000
n=14	0.6423	0.7673	0.8258	0.8616	0.8847	0.9041	0.9206	0.9937	1.0727	1.0923	1.1158	1.1467	1.1978	1.2921	1.5003	1.0000
n=15	0.6622	0.7720	0.8333	0.8659	0.8901	0.9085	0.9235	0.9932	1.0677	1.0887	1.1126	1.1431	1.1925	1.2837	1.5101	1.0000
n=16	0.6539	0.7867	0.8374	0.8707	0.8942	0.9124	0.9279	0.9945	1.0659	1.0847	1.1066	1.1356	1.1785	1.2731	1.4564	1.0000
n=17	0.6699	0.7879	0.8405	0.8746	0.8957	0.9124	0.9297	0.9952	1.0650	1.0842	1.1058	1.1346	1.1749	1.2577	1.3794	1.0000
n=18	0.6856	0.7916	0.8467	0.8755	0.8970	0.9141	0.9301	0.9951	1.0636	1.0828	1.1040	1.1315	1.1707	1.2569	1.4353	1.0000
n=19	0.6822	0.7976	0.8462	0.8791	0.9013	0.9173	0.9329	0.9969	1.0618	1.0800	1.0991	1.1261	1.1639	1.2417	1.3978	1.0000
n=20	0.7198	0.8005	0.8524	0.8816	0.9030	0.9192	0.9336	0.9972	1.0609	1.0768	1.0969	1.1225	1.1628	1.2484	1.4180	1.0000
n=21	0.6837	0.8070	0.8566	0.8855	0.9060	0.9222	0.9357	0.9962	1.0605	1.0775	1.0957	1.1188	1.1556	1.2337	1.3652	1.0000
n=22	0.6941	0.8087	0.8616	0.8891	0.9085	0.9251	0.9383	0.9968	1.0573	1.0735	1.0913	1.1164	1.1514	1.2271	1.4532	1.0000
n=23	0.7067	0.8135	0.8637	0.8902	0.9085	0.9255	0.9390	0.9956	1.0566	1.0723	1.0904	1.1140	1.1506	1.2247	1.4018	1.0000
n=24	0.7310	0.8175	0.8673	0.8926	0.9121	0.9272	0.9407	0.9969	1.0541	1.0695	1.0884	1.1110	1.1468	1.2114	1.4255	1.0000
n=25	0.7617	0.8199	0.8670	0.8948	0.9133	0.9279	0.9412	0.9968	1.0547	1.0688	1.0874	1.1101	1.1446	1.2173	1.3960	1.0000
n=26	0.7340	0.8234	0.8718	0.8978	0.9161	0.9317	0.9434	0.9961	1.0534	1.0693	1.0869	1.1070	1.1415	1.2057	1.3613	1.0000
n=27	0.7555	0.8268	0.8731	0.8994	0.9164	0.9316	0.9437	0.9953	1.0526	1.0680	1.0850	1.1060	1.1396	1.2040	1.3933	1.0000
n=28	0.7364	0.8307	0.8751	0.8999	0.9165	0.9306	0.9437	0.9965	1.0532	1.0677	1.0832	1.1049	1.1376	1.1954	1.3429	1.0000
n=29	0.7253	0.8320	0.8785	0.9019	0.9183	0.9328	0.9449	0.9967	1.0503	1.0646	1.0813	1.1028	1.1348	1.1950	1.3075	1.0000
n=30	0.7457	0.8336	0.8817	0.9047	0.9213	0.9352	0.9474	0.9968	1.0505	1.0642	1.0791	1.1001	1.1301	1.1834	1.3395	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.1-18. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Wood Residue Combustion, Sulfur Dioxide, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0011	0.0054	0.0174	0.0310	0.0462	0.0644	0.0847	0.2621	0.8189	1.0368	1.3762	2.1057	3.8186	13.3224	126.7413	1.0000
n=2	0.0020	0.0222	0.0525	0.0820	0.1106	0.1419	0.1730	0.4063	0.9639	1.2037	1.5685	2.2223	3.5263	8.7174	64.6895	1.0000
n=3	0.0101	0.0482	0.0950	0.1337	0.1710	0.2078	0.2470	0.5069	1.0709	1.2874	1.6159	2.1749	3.3717	6.7966	44.3651	1.0000
n=4	0.0147	0.0669	0.1247	0.1721	0.2161	0.2601	0.3018	0.5809	1.1348	1.3548	1.6461	2.1013	3.0943	5.9991	35.9935	1.0000
n=5	0.0243	0.0891	0.1503	0.2025	0.2517	0.2935	0.3393	0.6065	1.1651	1.3562	1.6359	2.0760	3.0122	6.5557	26.9722	1.0000
n=6	0.0410	0.1027	0.1754	0.2316	0.2814	0.3265	0.3719	0.6531	1.1699	1.3384	1.5914	2.0127	2.8953	5.8483	22.1006	1.0000
n=7	0.0290	0.1193	0.1956	0.2577	0.3058	0.3535	0.4004	0.6780	1.1565	1.3154	1.5497	1.9476	2.6820	5.9330	25.5334	1.0000
n=8	0.0537	0.1331	0.2206	0.2801	0.3297	0.3804	0.4303	0.7032	1.1799	1.3509	1.5720	1.9365	2.6277	4.9509	32.1506	1.0000
n=9	0.0608	0.1536	0.2274	0.2922	0.3427	0.3912	0.4363	0.7038	1.1634	1.3110	1.5499	1.9030	2.5406	5.3602	16.4359	1.0000
n=10	0.0802	0.1640	0.2480	0.3111	0.3662	0.4177	0.4628	0.7252	1.1683	1.3183	1.5553	1.9167	2.5124	4.9670	15.1437	1.0000
n=11	0.0878	0.1805	0.2712	0.3353	0.3872	0.4380	0.4839	0.7495	1.1901	1.3544	1.5584	1.8874	2.3889	4.4431	15.2775	1.0000
n=12	0.0813	0.1918	0.2820	0.3488	0.4034	0.4543	0.4983	0.7613	1.1771	1.3159	1.5136	1.7941	2.3371	4.5688	15.7744	1.0000
n=13	0.0960	0.2068	0.2981	0.3662	0.4165	0.4614	0.5095	0.7609	1.1862	1.3385	1.5232	1.8026	2.3306	4.2259	13.0155	1.0000
n=14	0.0799	0.2136	0.3058	0.3747	0.4305	0.4784	0.5272	0.7792	1.1971	1.3312	1.5265	1.7885	2.2990	4.0641	12.1174	1.0000
n=15	0.0984	0.2324	0.3253	0.3873	0.4415	0.4887	0.5370	0.7823	1.1745	1.3203	1.4975	1.7554	2.2698	4.0519	11.3551	1.0000
n=16	0.0939	0.2294	0.3276	0.3981	0.4498	0.5013	0.5508	0.7966	1.1824	1.3090	1.4873	1.7332	2.1879	4.0869	11.7454	1.0000
n=17	0.1198	0.2334	0.3370	0.4023	0.4587	0.5071	0.5539	0.8036	1.1973	1.3172	1.4799	1.7219	2.2348	3.8999	10.8177	1.0000
n=18	0.1300	0.2565	0.3516	0.4172	0.4738	0.5233	0.5664	0.8087	1.1849	1.3070	1.4807	1.7120	2.1809	3.7206	9.7445	1.0000
n=19	0.1299	0.2547	0.3558	0.4244	0.4797	0.5281	0.5734	0.8070	1.1741	1.2904	1.4434	1.6970	2.2146	3.8609	8.8594	1.0000
n=20	0.1033	0.2616	0.3579	0.4365	0.4905	0.5373	0.5809	0.8180	1.1727	1.2861	1.4422	1.6586	2.0976	3.9500	9.8298	1.0000
n=21	0.1255	0.2805	0.3775	0.4509	0.5028	0.5518	0.5939	0.8308	1.1930	1.3057	1.4516	1.6421	2.1108	3.4643	9.5062	1.0000
n=22	0.1624	0.2848	0.3847	0.4499	0.5073	0.5554	0.6024	0.8341	1.1776	1.2846	1.4266	1.6605	2.1221	3.5803	8.6869	1.0000
n=23	0.1690	0.2959	0.3940	0.4645	0.5180	0.5655	0.6058	0.8336	1.1791	1.2853	1.4240	1.6444	2.0670	3.6265	11.6834	1.0000
n=24	0.1648	0.2926	0.4000	0.4666	0.5194	0.5658	0.6122	0.8372	1.1704	1.2757	1.4042	1.6312	2.0984	3.6401	7.3815	1.0000
n=25	0.1760	0.3176	0.4038	0.4756	0.5272	0.5727	0.6199	0.8478	1.1811	1.2839	1.4196	1.6021	2.0253	3.6872	7.6028	1.0000
n=26	0.1586	0.3086	0.4130	0.4825	0.5377	0.5846	0.6306	0.8513	1.1863	1.2837	1.4206	1.6193	2.0301	3.2813	7.7797	1.0000
n=27	0.1438	0.3180	0.4218	0.4842	0.5372	0.5814	0.6277	0.8538	1.1809	1.2744	1.4059	1.6092	2.0188	3.4111	7.2647	1.0000
n=28	0.1826	0.3228	0.4208	0.4873	0.5365	0.5838	0.6271	0.8549	1.1783	1.2698	1.4086	1.6194	2.0519	3.3977	7.1767	1.0000
n=29	0.2124	0.3298	0.4284	0.4987	0.5490	0.5930	0.6344	0.8549	1.1742	1.2708	1.3959	1.5887	1.9909	3.3983	7.5587	1.0000
n=30	0.1941	0.3312	0.4344	0.4971	0.5491	0.5931	0.6375	0.8528	1.1603	1.2569	1.3883	1.5797	1.9726	4.4740	7.2827	1.0000

(1) A normalized distribution is a distribution with mean 1.

Appendix E.2

Refuse Combustion

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Table E.2-1. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), Arsenic, Spray Dryer Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.1162	0.2773	0.3863	0.4645	0.5247	0.5853	0.6367	0.8797	1.2436	1.3472	1.4934	1.6806	1.9858	2.8202	5.1165	1.0000
n=2	0.2140	0.3968	0.5105	0.5822	0.6409	0.6884	0.7320	0.9397	1.2015	1.2783	1.3622	1.4925	1.7090	2.1703	3.5965	1.0000
n=3	0.3501	0.4685	0.5783	0.6467	0.7020	0.7447	0.7835	0.9591	1.1678	1.2288	1.2984	1.4030	1.5564	1.8885	2.9660	1.0000
n=4	0.2590	0.5249	0.6341	0.6948	0.7399	0.7757	0.8127	0.9690	1.1479	1.2016	1.2648	1.3489	1.4794	1.7547	2.8112	1.0000
n=5	0.3473	0.5655	0.6625	0.7235	0.7666	0.8034	0.8353	0.9758	1.1408	1.1816	1.2330	1.3109	1.4193	1.6652	2.3118	1.0000
n=6	0.4286	0.6025	0.6891	0.7448	0.7846	0.8191	0.8505	0.9790	1.1261	1.1676	1.2157	1.2802	1.3853	1.5900	2.2178	1.0000
n=7	0.4387	0.6125	0.7055	0.7577	0.7947	0.8274	0.8553	0.9786	1.1251	1.1615	1.2086	1.2669	1.3658	1.5525	2.1540	1.0000
n=8	0.5307	0.6429	0.7234	0.7760	0.8128	0.8405	0.8687	0.9848	1.1139	1.1473	1.1890	1.2447	1.3302	1.4999	2.0091	1.0000
n=9	0.5077	0.6580	0.7370	0.7853	0.8225	0.8531	0.8789	0.9865	1.1101	1.1409	1.1788	1.2262	1.3054	1.4605	1.8694	1.0000
n=10	0.4497	0.6751	0.7531	0.7971	0.8305	0.8588	0.8824	0.9874	1.1030	1.1334	1.1702	1.2231	1.2974	1.4409	1.8025	1.0000
n=11	0.5429	0.6857	0.7595	0.8050	0.8355	0.8595	0.8839	0.9882	1.1015	1.1321	1.1647	1.2150	1.2848	1.4204	1.9348	1.0000
n=12	0.5531	0.6872	0.7696	0.8108	0.8430	0.8691	0.8914	0.9875	1.0957	1.1235	1.1599	1.2043	1.2704	1.4026	1.6596	1.0000
n=13	0.5875	0.7092	0.7743	0.8202	0.8496	0.8757	0.8968	0.9893	1.0909	1.1173	1.1494	1.1925	1.2568	1.3995	1.7734	1.0000
n=14	0.5998	0.7228	0.7855	0.8286	0.8567	0.8799	0.9017	0.9897	1.0862	1.1143	1.1468	1.1873	1.2503	1.3719	1.7256	1.0000
n=15	0.5978	0.7216	0.7937	0.8326	0.8612	0.8846	0.9040	0.9903	1.0859	1.1111	1.1393	1.1794	1.2369	1.3550	1.7278	1.0000
n=16	0.6233	0.7346	0.7983	0.8393	0.8668	0.8875	0.9073	0.9915	1.0832	1.1076	1.1366	1.1719	1.2257	1.3456	1.6053	1.0000
n=17	0.6060	0.7342	0.8062	0.8428	0.8677	0.8898	0.9088	0.9922	1.0821	1.1057	1.1333	1.1684	1.2199	1.3190	1.6851	1.0000
n=18	0.5957	0.7433	0.8098	0.8452	0.8716	0.8933	0.9108	0.9915	1.0791	1.1015	1.1288	1.1633	1.2228	1.3337	1.5751	1.0000
n=19	0.6269	0.7509	0.8137	0.8476	0.8736	0.8940	0.9137	0.9922	1.0779	1.1007	1.1270	1.1637	1.2122	1.3113	1.5318	1.0000
n=20	0.6259	0.7548	0.8220	0.8554	0.8791	0.8994	0.9159	0.9931	1.0755	1.0967	1.1205	1.1524	1.2032	1.3017	1.5293	1.0000
n=21	0.6597	0.7690	0.8221	0.8570	0.8802	0.9009	0.9179	0.9918	1.0744	1.0957	1.1211	1.1545	1.2020	1.2999	1.5111	1.0000
n=22	0.6396	0.7658	0.8285	0.8620	0.8848	0.9031	0.9207	0.9942	1.0718	1.0904	1.1157	1.1473	1.1955	1.2841	1.5476	1.0000
n=23	0.6609	0.7736	0.8305	0.8631	0.8857	0.9062	0.9228	0.9941	1.0701	1.0915	1.1134	1.1448	1.1938	1.2842	1.5275	1.0000
n=24	0.6506	0.7741	0.8320	0.8655	0.8894	0.9073	0.9234	0.9952	1.0708	1.0887	1.1123	1.1391	1.1843	1.2663	1.4234	1.0000
n=25	0.6511	0.7694	0.8346	0.8683	0.8914	0.9095	0.9256	0.9952	1.0679	1.0873	1.1100	1.1374	1.1826	1.2675	1.5012	1.0000
n=26	0.6680	0.7858	0.8396	0.8712	0.8939	0.9117	0.9273	0.9948	1.0656	1.0844	1.1061	1.1359	1.1797	1.2653	1.4800	1.0000
n=27	0.6856	0.7879	0.8426	0.8734	0.8947	0.9128	0.9286	0.9941	1.0654	1.0845	1.1071	1.1340	1.1760	1.2598	1.4861	1.0000
n=28	0.6458	0.7899	0.8451	0.8757	0.8964	0.9136	0.9290	0.9957	1.0647	1.0831	1.1048	1.1303	1.1713	1.2598	1.3932	1.0000
n=29	0.6673	0.7907	0.8479	0.8801	0.9023	0.9186	0.9325	0.9945	1.0636	1.0807	1.1010	1.1271	1.1656	1.2430	1.4197	1.0000
n=30	0.6674	0.7961	0.8487	0.8786	0.8999	0.9170	0.9328	0.9955	1.0633	1.0792	1.0998	1.1263	1.1678	1.2479	1.5182	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-2. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), Cadmium, Spray Dryer ESP

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0201	0.0992	0.1742	0.2435	0.2984	0.3526	0.4033	0.7103	1.2538	1.4396	1.6899	2.0646	2.7943	4.7707	22.2709	1.0000
n=2	0.0841	0.1972	0.2974	0.3714	0.4289	0.4850	0.5357	0.8122	1.2494	1.3994	1.6041	1.8644	2.3164	3.4548	11.1770	1.0000
n=3	0.1366	0.2736	0.3784	0.4494	0.5110	0.5686	0.6158	0.8604	1.2336	1.3456	1.4849	1.7010	2.0601	2.9726	8.8447	1.0000
n=4	0.1855	0.3174	0.4329	0.5026	0.5623	0.6124	0.6627	0.8967	1.2241	1.3239	1.4411	1.5980	1.9114	2.6566	6.2771	1.0000
n=5	0.2039	0.3584	0.4655	0.5423	0.5962	0.6474	0.6914	0.9130	1.2122	1.2959	1.4085	1.5557	1.8229	2.4604	5.9598	1.0000
n=6	0.2707	0.3862	0.5038	0.5714	0.6244	0.6723	0.7164	0.9244	1.1991	1.2789	1.3793	1.5177	1.7431	2.2849	4.7417	1.0000
n=7	0.2317	0.4162	0.5259	0.5979	0.6489	0.6961	0.7401	0.9388	1.1866	1.2565	1.3525	1.4776	1.6882	2.1180	3.9298	1.0000
n=8	0.2911	0.4487	0.5507	0.6196	0.6713	0.7150	0.7534	0.9476	1.1803	1.2480	1.3320	1.4465	1.6234	2.0629	4.0871	1.0000
n=9	0.2472	0.4735	0.5719	0.6388	0.6864	0.7302	0.7675	0.9444	1.1764	1.2374	1.3140	1.4282	1.6128	2.0106	3.9887	1.0000
n=10	0.3311	0.4821	0.5858	0.6537	0.7014	0.7429	0.7797	0.9525	1.1666	1.2279	1.3063	1.4058	1.5663	1.9259	3.4810	1.0000
n=11	0.3836	0.4937	0.6103	0.6655	0.7137	0.7514	0.7866	0.9553	1.1596	1.2193	1.2867	1.3816	1.5338	1.9125	3.5024	1.0000
n=12	0.3550	0.5155	0.6184	0.6775	0.7225	0.7602	0.7946	0.9561	1.1604	1.2182	1.2830	1.3704	1.5175	1.8407	3.1463	1.0000
n=13	0.3334	0.5311	0.6291	0.6875	0.7346	0.7767	0.8095	0.9630	1.1505	1.2027	1.2653	1.3501	1.4862	1.8067	3.2492	1.0000
n=14	0.3663	0.5449	0.6424	0.7032	0.7451	0.7826	0.8142	0.9621	1.1489	1.2011	1.2626	1.3385	1.4724	1.7597	2.7694	1.0000
n=15	0.3985	0.5491	0.6496	0.7087	0.7511	0.7878	0.8183	0.9646	1.1417	1.1911	1.2504	1.3268	1.4648	1.7689	3.1684	1.0000
n=16	0.4219	0.5646	0.6597	0.7161	0.7599	0.7942	0.8264	0.9682	1.1387	1.1864	1.2449	1.3183	1.4440	1.7097	2.5747	1.0000
n=17	0.3993	0.5743	0.6637	0.7206	0.7624	0.7983	0.8292	0.9740	1.1353	1.1810	1.2412	1.3130	1.4304	1.6985	2.6029	1.0000
n=18	0.3945	0.5890	0.6763	0.7297	0.7733	0.8062	0.8367	0.9690	1.1302	1.1738	1.2264	1.3067	1.4191	1.6629	2.6852	1.0000
n=19	0.4559	0.5860	0.6802	0.7338	0.7737	0.8086	0.8402	0.9770	1.1321	1.1743	1.2223	1.2916	1.4000	1.6562	2.5813	1.0000
n=20	0.4491	0.5958	0.6891	0.7438	0.7810	0.8133	0.8426	0.9750	1.1268	1.1702	1.2230	1.2877	1.3977	1.6492	2.5665	1.0000
n=21	0.4599	0.6070	0.6953	0.7454	0.7854	0.8191	0.8470	0.9770	1.1249	1.1644	1.2118	1.2788	1.3902	1.6197	2.5798	1.0000
n=22	0.4968	0.6112	0.7010	0.7548	0.7937	0.8224	0.8519	0.9761	1.1218	1.1621	1.2089	1.2736	1.3805	1.6009	2.3871	1.0000
n=23	0.4498	0.6123	0.6988	0.7561	0.7933	0.8246	0.8540	0.9787	1.1206	1.1589	1.2075	1.2676	1.3627	1.5890	3.0237	1.0000
n=24	0.5107	0.6280	0.7112	0.7629	0.7996	0.8314	0.8597	0.9802	1.1162	1.1539	1.1999	1.2601	1.3493	1.5715	2.3624	1.0000
n=25	0.4705	0.6385	0.7158	0.7675	0.8053	0.8355	0.8605	0.9801	1.1146	1.1512	1.1953	1.2540	1.3472	1.5520	2.2557	1.0000
n=26	0.4637	0.6426	0.7270	0.7728	0.8075	0.8367	0.8645	0.9805	1.1120	1.1470	1.1924	1.2504	1.3455	1.5449	2.1219	1.0000
n=27	0.4936	0.6449	0.7240	0.7757	0.8128	0.8419	0.8689	0.9807	1.1097	1.1445	1.1884	1.2463	1.3357	1.5377	2.1383	1.0000
n=28	0.5271	0.6515	0.7269	0.7755	0.8108	0.8406	0.8649	0.9785	1.1136	1.1486	1.1920	1.2463	1.3345	1.5395	2.1536	1.0000
n=29	0.4964	0.6473	0.7289	0.7797	0.8176	0.8478	0.8735	0.9829	1.1082	1.1420	1.1830	1.2360	1.3245	1.5289	2.3349	1.0000
n=30	0.5282	0.6547	0.7372	0.7850	0.8191	0.8479	0.8724	0.9794	1.1073	1.1403	1.1819	1.2375	1.3220	1.5203	2.7967	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-3. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), Carbon Monoxide, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.1111	0.2252	0.3362	0.4151	0.4779	0.5318	0.5819	0.8601	1.2509	1.3589	1.5197	1.7565	2.1685	3.0959	9.7172	1.0000
n=2	0.1352	0.3600	0.4773	0.5512	0.6075	0.6539	0.6999	0.9215	1.2049	1.2900	1.3984	1.5361	1.7879	2.4504	5.6323	1.0000
n=3	0.2829	0.4297	0.5411	0.6107	0.6651	0.7099	0.7503	0.9427	1.1842	1.2506	1.3378	1.4549	1.6526	2.1118	4.3178	1.0000
n=4	0.3312	0.4842	0.5959	0.6578	0.7051	0.7443	0.7786	0.9570	1.1722	1.2270	1.2970	1.3941	1.5583	1.9127	3.4405	1.0000
n=5	0.3542	0.5308	0.6286	0.6900	0.7350	0.7726	0.8081	0.9591	1.1452	1.1963	1.2653	1.3548	1.5048	1.8634	2.9249	1.0000
n=6	0.4014	0.5617	0.6521	0.7120	0.7547	0.7910	0.8238	0.9696	1.1404	1.1882	1.2469	1.3262	1.4522	1.7449	2.7241	1.0000
n=7	0.4097	0.5835	0.6804	0.7347	0.7777	0.8092	0.8389	0.9758	1.1348	1.1751	1.2261	1.2956	1.4056	1.6372	2.6959	1.0000
n=8	0.3990	0.6073	0.6977	0.7496	0.7888	0.8200	0.8489	0.9800	1.1238	1.1628	1.2110	1.2808	1.3768	1.6099	2.1260	1.0000
n=9	0.4710	0.6279	0.7122	0.7619	0.7982	0.8288	0.8555	0.9810	1.1220	1.1583	1.2030	1.2652	1.3570	1.5624	2.0008	1.0000
n=10	0.4759	0.6372	0.7221	0.7722	0.8080	0.8368	0.8629	0.9806	1.1142	1.1483	1.1922	1.2492	1.3441	1.5468	2.2352	1.0000
n=11	0.4701	0.6454	0.7333	0.7822	0.8161	0.8452	0.8701	0.9826	1.1075	1.1442	1.1873	1.2403	1.3252	1.5173	2.1076	1.0000
n=12	0.4924	0.6623	0.7426	0.7893	0.8241	0.8524	0.8767	0.9847	1.1055	1.1384	1.1793	1.2317	1.3098	1.4820	2.1109	1.0000
n=13	0.4983	0.6718	0.7490	0.7962	0.8293	0.8582	0.8829	0.9849	1.1040	1.1340	1.1696	1.2193	1.3008	1.4604	2.1083	1.0000
n=14	0.5070	0.6857	0.7625	0.8058	0.8369	0.8617	0.8842	0.9866	1.1014	1.1303	1.1641	1.2110	1.2830	1.4257	1.9375	1.0000
n=15	0.5670	0.6876	0.7650	0.8098	0.8407	0.8656	0.8884	0.9878	1.0948	1.1239	1.1576	1.2062	1.2785	1.4384	1.8626	1.0000
n=16	0.5681	0.6987	0.7702	0.8151	0.8464	0.8711	0.8935	0.9880	1.0923	1.1218	1.1536	1.2017	1.2707	1.4196	1.8260	1.0000
n=17	0.5344	0.6992	0.7776	0.8187	0.8489	0.8735	0.8967	0.9900	1.0915	1.1172	1.1503	1.1939	1.2605	1.3976	1.7818	1.0000
n=18	0.5794	0.7144	0.7881	0.8260	0.8532	0.8764	0.8977	0.9886	1.0886	1.1150	1.1465	1.1872	1.2542	1.3925	1.7235	1.0000
n=19	0.5856	0.7234	0.7880	0.8286	0.8558	0.8802	0.9009	0.9880	1.0870	1.1139	1.1451	1.1856	1.2484	1.3841	1.7073	1.0000
n=20	0.6184	0.7261	0.7981	0.8358	0.8618	0.8849	0.9044	0.9907	1.0833	1.1085	1.1383	1.1785	1.2389	1.3554	1.7824	1.0000
n=21	0.5887	0.7370	0.8018	0.8386	0.8625	0.8837	0.9049	0.9899	1.0830	1.1063	1.1362	1.1736	1.2367	1.3601	1.7422	1.0000
n=22	0.6541	0.7418	0.8070	0.8425	0.8681	0.8900	0.9082	0.9902	1.0805	1.1044	1.1328	1.1684	1.2269	1.3458	1.8595	1.0000
n=23	0.6175	0.7451	0.8087	0.8460	0.8725	0.8932	0.9114	0.9906	1.0786	1.1035	1.1318	1.1653	1.2184	1.3341	1.5531	1.0000
n=24	0.6511	0.7498	0.8110	0.8462	0.8739	0.8945	0.9130	0.9921	1.0770	1.0995	1.1297	1.1629	1.2171	1.3298	1.6996	1.0000
n=25	0.6530	0.7538	0.8177	0.8514	0.8773	0.8974	0.9149	0.9919	1.0751	1.0979	1.1249	1.1579	1.2131	1.3209	1.6278	1.0000
n=26	0.6573	0.7583	0.8208	0.8533	0.8784	0.8984	0.9160	0.9914	1.0750	1.0956	1.1217	1.1567	1.2102	1.3127	1.5473	1.0000
n=27	0.6447	0.7596	0.8216	0.8564	0.8819	0.9013	0.9181	0.9934	1.0732	1.0933	1.1190	1.1540	1.2036	1.3063	1.5194	1.0000
n=28	0.6280	0.7646	0.8254	0.8610	0.8836	0.9017	0.9191	0.9926	1.0722	1.0928	1.1162	1.1485	1.2002	1.2994	1.5745	1.0000
n=29	0.6915	0.7714	0.8284	0.8616	0.8855	0.9043	0.9208	0.9943	1.0710	1.0930	1.1156	1.1457	1.1921	1.2848	1.6954	1.0000
n=30	0.6093	0.7676	0.8281	0.8634	0.8870	0.9048	0.9213	0.9932	1.0693	1.0905	1.1163	1.1474	1.1957	1.2912	1.5106	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-4. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion, HCl, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0065	0.0772	0.2080	0.3149	0.4035	0.4759	0.5592	0.9298	1.3556	1.4649	1.5985	1.7702	2.0496	2.6087	3.9329	1.0000
n=2	0.0848	0.2388	0.3953	0.4997	0.5751	0.6391	0.6949	0.9594	1.2607	1.3407	1.4382	1.5608	1.7400	2.1292	2.7261	1.0000
n=3	0.0894	0.3469	0.4982	0.5900	0.6530	0.7093	0.7582	0.9791	1.2128	1.2709	1.3455	1.4425	1.5825	1.8737	2.5031	1.0000
n=4	0.2523	0.4242	0.5504	0.6375	0.6971	0.7472	0.7930	0.9794	1.1804	1.2376	1.3034	1.3941	1.5283	1.7612	2.2305	1.0000
n=5	0.1819	0.4663	0.6024	0.6775	0.7310	0.7740	0.8149	0.9844	1.1662	1.2144	1.2734	1.3419	1.4583	1.6579	2.0881	1.0000
n=6	0.3135	0.5097	0.6311	0.6989	0.7469	0.7931	0.8305	0.9888	1.1574	1.1975	1.2456	1.3105	1.4105	1.6044	2.1362	1.0000
n=7	0.3550	0.5352	0.6543	0.7217	0.7719	0.8125	0.8489	0.9935	1.1432	1.1815	1.2290	1.2867	1.3758	1.5412	2.0030	1.0000
n=8	0.3770	0.5658	0.6791	0.7446	0.7894	0.8245	0.8579	0.9922	1.1327	1.1684	1.2092	1.2669	1.3479	1.5177	1.8873	1.0000
n=9	0.4377	0.5970	0.6955	0.7601	0.8005	0.8352	0.8668	0.9895	1.1259	1.1612	1.1992	1.2570	1.3360	1.4775	1.9030	1.0000
n=10	0.4304	0.5997	0.7132	0.7700	0.8097	0.8405	0.8704	0.9932	1.1189	1.1501	1.1903	1.2423	1.3182	1.4653	1.7183	1.0000
n=11	0.4430	0.6226	0.7248	0.7785	0.8197	0.8499	0.8763	0.9940	1.1155	1.1445	1.1815	1.2293	1.3006	1.4331	1.8357	1.0000
n=12	0.4629	0.6450	0.7334	0.7856	0.8245	0.8549	0.8822	0.9937	1.1113	1.1409	1.1758	1.2200	1.2873	1.4178	1.7025	1.0000
n=13	0.4452	0.6441	0.7431	0.7956	0.8316	0.8623	0.8857	0.9934	1.1068	1.1366	1.1710	1.2127	1.2771	1.4002	1.6903	1.0000
n=14	0.5162	0.6640	0.7502	0.8020	0.8370	0.8655	0.8915	0.9962	1.1034	1.1294	1.1607	1.2030	1.2627	1.3806	1.7542	1.0000
n=15	0.4504	0.6740	0.7607	0.8096	0.8434	0.8715	0.8953	0.9962	1.0998	1.1264	1.1556	1.1951	1.2535	1.3760	1.5664	1.0000
n=16	0.5308	0.6844	0.7702	0.8167	0.8492	0.8749	0.8981	0.9950	1.0955	1.1199	1.1509	1.1879	1.2487	1.3603	1.6288	1.0000
n=17	0.5547	0.7026	0.7796	0.8241	0.8573	0.8812	0.9040	0.9955	1.0884	1.1127	1.1429	1.1826	1.2386	1.3493	1.6584	1.0000
n=18	0.4729	0.7003	0.7788	0.8262	0.8568	0.8833	0.9052	0.9966	1.0890	1.1134	1.1413	1.1791	1.2334	1.3406	1.5774	1.0000
n=19	0.5443	0.7101	0.7872	0.8299	0.8597	0.8842	0.9082	0.9957	1.0858	1.1094	1.1359	1.1740	1.2298	1.3436	1.6258	1.0000
n=20	0.4903	0.7175	0.7938	0.8365	0.8678	0.8899	0.9091	0.9953	1.0875	1.1094	1.1333	1.1667	1.2215	1.3157	1.5242	1.0000
n=21	0.5858	0.7228	0.7989	0.8393	0.8663	0.8907	0.9106	0.9966	1.0850	1.1070	1.1333	1.1644	1.2139	1.3116	1.4853	1.0000
n=22	0.5916	0.7246	0.8046	0.8443	0.8726	0.8958	0.9155	0.9957	1.0794	1.1017	1.1285	1.1617	1.2109	1.3002	1.5514	1.0000
n=23	0.6079	0.7256	0.8037	0.8460	0.8755	0.8974	0.9177	0.9978	1.0798	1.1012	1.1242	1.1560	1.2045	1.3021	1.5233	1.0000
n=24	0.5947	0.7391	0.8100	0.8494	0.8765	0.8990	0.9182	0.9967	1.0793	1.0984	1.1217	1.1545	1.1998	1.2858	1.5669	1.0000
n=25	0.5749	0.7402	0.8133	0.8516	0.8795	0.9021	0.9205	0.9980	1.0780	1.0966	1.1205	1.1488	1.1935	1.2850	1.5034	1.0000
n=26	0.5541	0.7507	0.8188	0.8571	0.8815	0.9037	0.9213	0.9963	1.0749	1.0951	1.1189	1.1477	1.1934	1.2799	1.5370	1.0000
n=27	0.6056	0.7585	0.8222	0.8615	0.8877	0.9056	0.9230	0.9968	1.0733	1.0924	1.1143	1.1427	1.1872	1.2723	1.5120	1.0000
n=28	0.6265	0.7524	0.8200	0.8584	0.8857	0.9072	0.9257	0.9981	1.0734	1.0926	1.1143	1.1412	1.1862	1.2669	1.4178	1.0000
n=29	0.5281	0.7661	0.8282	0.8635	0.8876	0.9085	0.9266	0.9987	1.0707	1.0904	1.1125	1.1391	1.1783	1.2517	1.5198	1.0000
n=30	0.6537	0.7613	0.8288	0.8672	0.8894	0.9109	0.9277	0.9964	1.0689	1.0892	1.1112	1.1391	1.1804	1.2564	1.4346	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-5. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), HCl, Spray Dryer and Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	5.87E-06	0.0038	0.0252	0.0576	0.0978	0.1362	0.1852	0.5701	1.3610	1.6135	1.9670	2.4656	3.3901	5.7388	14.0728	1.0000
n=2	0.0013	0.0374	0.1120	0.1860	0.2522	0.3181	0.3866	0.7615	1.3487	1.5313	1.7598	2.1102	2.7147	4.1383	8.8209	1.0000
n=3	0.0080	0.0875	0.1939	0.2860	0.3583	0.4276	0.4927	0.8298	1.3314	1.4750	1.6603	1.9076	2.3363	3.5622	6.1838	1.0000
n=4	0.0246	0.1435	0.2651	0.3495	0.4228	0.4906	0.5498	0.8669	1.3005	1.4328	1.5843	1.8320	2.2092	3.0353	4.7862	1.0000
n=5	0.0273	0.1801	0.3127	0.4057	0.4821	0.5409	0.6019	0.8949	1.2822	1.4016	1.5437	1.7293	2.0455	2.7488	5.6046	1.0000
n=6	0.0832	0.2234	0.3554	0.4461	0.5158	0.5768	0.6345	0.9109	1.2703	1.3731	1.5028	1.6864	1.9517	2.5395	3.9145	1.0000
n=7	0.0803	0.2612	0.3911	0.4781	0.5456	0.6038	0.6609	0.9222	1.2631	1.3553	1.4655	1.6310	1.8676	2.3564	3.5487	1.0000
n=8	0.1248	0.2902	0.4270	0.5159	0.5800	0.6356	0.6831	0.9348	1.2400	1.3250	1.4291	1.5656	1.7950	2.3257	3.6081	1.0000
n=9	0.1052	0.3060	0.4429	0.5294	0.5922	0.6505	0.7004	0.9429	1.2326	1.3185	1.4183	1.5510	1.7643	2.1973	3.2266	1.0000
n=10	0.1665	0.3439	0.4697	0.5550	0.6145	0.6671	0.7156	0.9457	1.2263	1.3050	1.4006	1.5236	1.7086	2.0956	3.0770	1.0000
n=11	0.1827	0.3582	0.4860	0.5694	0.6313	0.6822	0.7316	0.9531	1.2141	1.2914	1.3798	1.4914	1.6853	2.0634	2.8831	1.0000
n=12	0.2004	0.3783	0.5084	0.5897	0.6501	0.6998	0.7465	0.9573	1.2038	1.2710	1.3575	1.4685	1.6455	2.0193	2.7873	1.0000
n=13	0.1815	0.3900	0.5205	0.6024	0.6597	0.7138	0.7592	0.9552	1.1986	1.2637	1.3424	1.4473	1.6185	1.9934	2.8345	1.0000
n=14	0.2356	0.4081	0.5407	0.6162	0.6732	0.7205	0.7638	0.9614	1.1961	1.2573	1.3385	1.4381	1.6023	1.9215	3.2490	1.0000
n=15	0.1869	0.4154	0.5441	0.6226	0.6799	0.7244	0.7674	0.9657	1.1916	1.2490	1.3268	1.4234	1.5659	1.9007	2.5465	1.0000
n=16	0.2093	0.4333	0.5587	0.6324	0.6914	0.7416	0.7832	0.9686	1.1868	1.2443	1.3147	1.4059	1.5459	1.8437	2.5967	1.0000
n=17	0.2342	0.4483	0.5697	0.6443	0.6938	0.7418	0.7837	0.9698	1.1820	1.2412	1.3188	1.4112	1.5438	1.8291	2.6694	1.0000
n=18	0.2618	0.4637	0.5804	0.6564	0.7095	0.7529	0.7914	0.9702	1.1762	1.2278	1.2993	1.3854	1.5145	1.8036	2.5965	1.0000
n=19	0.3039	0.4594	0.5864	0.6592	0.7114	0.7549	0.7990	0.9755	1.1709	1.2250	1.2862	1.3734	1.5034	1.7737	2.3045	1.0000
n=20	0.2839	0.4836	0.5997	0.6695	0.7245	0.7668	0.8060	0.9724	1.1687	1.2204	1.2815	1.3579	1.4837	1.7682	2.3652	1.0000
n=21	0.2711	0.4923	0.6110	0.6840	0.7340	0.7766	0.8110	0.9717	1.1569	1.2102	1.2707	1.3576	1.4826	1.7545	2.3972	1.0000
n=22	0.2987	0.5064	0.6219	0.6859	0.7337	0.7773	0.8172	0.9752	1.1580	1.2076	1.2667	1.3432	1.4680	1.7291	2.2294	1.0000
n=23	0.2875	0.5135	0.6254	0.6907	0.7406	0.7847	0.8196	0.9757	1.1528	1.2006	1.2593	1.3323	1.4648	1.7227	2.2433	1.0000
n=24	0.3566	0.5203	0.6277	0.6937	0.7431	0.7819	0.8178	0.9760	1.1578	1.2039	1.2633	1.3386	1.4501	1.6889	2.2808	1.0000
n=25	0.3683	0.5301	0.6369	0.7010	0.7470	0.7886	0.8220	0.9795	1.1530	1.2004	1.2547	1.3215	1.4428	1.6498	2.0611	1.0000
n=26	0.3703	0.5293	0.6423	0.7107	0.7589	0.7966	0.8327	0.9779	1.1475	1.1914	1.2509	1.3226	1.4248	1.6319	2.1610	1.0000
n=27	0.3203	0.5271	0.6450	0.7062	0.7541	0.7943	0.8320	0.9791	1.1461	1.1932	1.2440	1.3143	1.4240	1.6554	2.2699	1.0000
n=28	0.3551	0.5435	0.6541	0.7186	0.7641	0.8013	0.8336	0.9800	1.1419	1.1865	1.2363	1.3113	1.4165	1.6329	2.1447	1.0000
n=29	0.3329	0.5454	0.6545	0.7230	0.7697	0.8044	0.8379	0.9824	1.1426	1.1825	1.2331	1.2994	1.4057	1.6111	2.2463	1.0000
n=30	0.3442	0.5662	0.6711	0.7323	0.7745	0.8136	0.8452	0.9789	1.1388	1.1792	1.2308	1.2928	1.3873	1.5779	2.0594	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-6. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), Lead, Spray Dryer ESP

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0221	0.1044	0.1804	0.2449	0.3047	0.3583	0.4153	0.7176	1.2284	1.4055	1.6711	2.0731	2.7543	4.8892	18.6038	1.0000
n=2	0.0756	0.2053	0.3026	0.3777	0.4386	0.4912	0.5414	0.8127	1.2471	1.3913	1.5515	1.8233	2.3004	3.5603	7.9858	1.0000
n=3	0.1564	0.2779	0.3895	0.4657	0.5258	0.5773	0.6266	0.8767	1.2294	1.3311	1.4690	1.6511	2.0317	2.9767	6.9452	1.0000
n=4	0.1792	0.3212	0.4355	0.5145	0.5690	0.6210	0.6691	0.8980	1.2139	1.3082	1.4280	1.5983	1.8995	2.6352	6.8968	1.0000
n=5	0.2031	0.3628	0.4784	0.5474	0.6038	0.6541	0.6941	0.9176	1.2045	1.2793	1.3919	1.5456	1.8109	2.4253	4.7076	1.0000
n=6	0.2682	0.4070	0.5076	0.5776	0.6303	0.6776	0.7195	0.9242	1.1893	1.2676	1.3660	1.5015	1.7511	2.3436	4.5225	1.0000
n=7	0.2743	0.4276	0.5401	0.6039	0.6581	0.6998	0.7419	0.9363	1.1853	1.2577	1.3503	1.4759	1.6776	2.1821	3.9498	1.0000
n=8	0.2808	0.4537	0.5538	0.6258	0.6784	0.7202	0.7598	0.9398	1.1736	1.2403	1.3237	1.4434	1.6571	2.0809	3.4984	1.0000
n=9	0.2939	0.4722	0.5833	0.6488	0.6927	0.7335	0.7726	0.9465	1.1647	1.2235	1.3020	1.4148	1.6009	2.0539	3.7275	1.0000
n=10	0.3441	0.4859	0.5935	0.6602	0.7101	0.7498	0.7836	0.9485	1.1567	1.2160	1.2898	1.3906	1.5658	2.0081	3.8461	1.0000
n=11	0.3268	0.5070	0.6114	0.6757	0.7204	0.7571	0.7929	0.9573	1.1519	1.2105	1.2859	1.3804	1.5379	1.9158	3.3042	1.0000
n=12	0.3036	0.5142	0.6173	0.6810	0.7278	0.7720	0.8062	0.9588	1.1511	1.2047	1.2695	1.3624	1.5042	1.8827	2.9785	1.0000
n=13	0.3348	0.5334	0.6338	0.6950	0.7402	0.7727	0.8074	0.9611	1.1464	1.1988	1.2624	1.3512	1.4931	1.8617	2.5751	1.0000
n=14	0.3879	0.5474	0.6458	0.7060	0.7457	0.7812	0.8162	0.9626	1.1420	1.1961	1.2575	1.3364	1.4809	1.7970	2.7963	1.0000
n=15	0.3542	0.5561	0.6570	0.7117	0.7530	0.7896	0.8216	0.9670	1.1379	1.1853	1.2425	1.3201	1.4585	1.7856	3.3510	1.0000
n=16	0.4083	0.5662	0.6672	0.7201	0.7618	0.8002	0.8303	0.9693	1.1373	1.1817	1.2378	1.3212	1.4390	1.7299	2.4788	1.0000
n=17	0.3974	0.5763	0.6646	0.7231	0.7622	0.7967	0.8277	0.9683	1.1325	1.1782	1.2346	1.3127	1.4516	1.7385	2.8236	1.0000
n=18	0.4464	0.5847	0.6840	0.7381	0.7747	0.8083	0.8382	0.9700	1.1248	1.1694	1.2261	1.2975	1.4188	1.6967	2.4684	1.0000
n=19	0.4671	0.5985	0.6847	0.7417	0.7793	0.8124	0.8416	0.9713	1.1237	1.1678	1.2211	1.2920	1.4138	1.6781	2.4614	1.0000
n=20	0.4201	0.6128	0.6941	0.7481	0.7877	0.8193	0.8457	0.9712	1.1240	1.1653	1.2159	1.2843	1.3999	1.6423	2.3946	1.0000
n=21	0.4562	0.6236	0.7044	0.7527	0.7916	0.8211	0.8492	0.9738	1.1189	1.1625	1.2092	1.2754	1.3941	1.6426	2.2613	1.0000
n=22	0.4735	0.6191	0.7075	0.7586	0.7936	0.8274	0.8554	0.9766	1.1185	1.1573	1.2038	1.2647	1.3728	1.6316	2.4096	1.0000
n=23	0.4536	0.6281	0.7090	0.7596	0.7981	0.8303	0.8571	0.9760	1.1161	1.1570	1.2045	1.2673	1.3662	1.5894	2.1857	1.0000
n=24	0.4959	0.6316	0.7155	0.7647	0.8023	0.8318	0.8584	0.9780	1.1148	1.1543	1.2026	1.2601	1.3587	1.5834	2.1175	1.0000
n=25	0.5059	0.6343	0.7192	0.7698	0.8054	0.8351	0.8627	0.9773	1.1145	1.1528	1.1951	1.2526	1.3562	1.5842	2.0593	1.0000
n=26	0.4968	0.6441	0.7285	0.7728	0.8102	0.8395	0.8647	0.9800	1.1105	1.1481	1.1948	1.2534	1.3443	1.5307	2.3238	1.0000
n=27	0.5215	0.6434	0.7275	0.7746	0.8089	0.8401	0.8652	0.9787	1.1099	1.1485	1.1929	1.2481	1.3395	1.5625	2.4404	1.0000
n=28	0.4864	0.6515	0.7339	0.7816	0.8175	0.8423	0.8684	0.9799	1.1064	1.1408	1.1876	1.2441	1.3322	1.5252	2.2330	1.0000
n=29	0.5071	0.6532	0.7369	0.7826	0.8163	0.8460	0.8713	0.9799	1.1056	1.1391	1.1828	1.2360	1.3314	1.5258	2.1259	1.0000
n=30	0.5361	0.6617	0.7408	0.7876	0.8211	0.8486	0.8742	0.9820	1.1014	1.1375	1.1812	1.2352	1.3227	1.5166	2.1285	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-7. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), Mercury, Spray Dryer Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0073	0.0408	0.0918	0.1348	0.1797	0.2238	0.2654	0.5601	1.1488	1.3792	1.7514	2.2392	3.3644	7.2634	24.4594	1.0000
n=2	0.0267	0.1095	0.1868	0.2489	0.3007	0.3523	0.4019	0.6952	1.1987	1.3782	1.6284	2.0457	2.8285	5.3066	13.1363	1.0000
n=3	0.0615	0.1601	0.2502	0.3107	0.3692	0.4203	0.4757	0.7503	1.2154	1.3762	1.5952	1.9311	2.6022	4.4272	9.9298	1.0000
n=4	0.1007	0.2089	0.3082	0.3781	0.4395	0.4924	0.5408	0.8157	1.2187	1.3607	1.5541	1.8181	2.3082	3.6664	7.1120	1.0000
n=5	0.1257	0.2367	0.3425	0.4191	0.4768	0.5268	0.5790	0.8323	1.2350	1.3569	1.5196	1.7625	2.1864	3.4449	8.6917	1.0000
n=6	0.1148	0.2691	0.3781	0.4476	0.5078	0.5586	0.6091	0.8580	1.2185	1.3393	1.5016	1.7117	2.0944	3.1005	6.2960	1.0000
n=7	0.1502	0.3061	0.4061	0.4759	0.5312	0.5803	0.6293	0.8646	1.2123	1.3263	1.4762	1.6706	2.0536	3.1008	5.6835	1.0000
n=8	0.1940	0.3165	0.4286	0.4999	0.5548	0.6038	0.6520	0.8800	1.2150	1.3214	1.4529	1.6359	1.9814	2.7645	5.4193	1.0000
n=9	0.2086	0.3445	0.4469	0.5222	0.5735	0.6196	0.6682	0.8883	1.2022	1.3095	1.4282	1.6148	1.9290	2.7193	4.5882	1.0000
n=10	0.2053	0.3549	0.4642	0.5365	0.5934	0.6388	0.6827	0.8971	1.1960	1.2823	1.3968	1.5652	1.8849	2.7961	5.8399	1.0000
n=11	0.1951	0.3810	0.4856	0.5516	0.6091	0.6562	0.6980	0.9063	1.1963	1.2782	1.3874	1.5462	1.8294	2.5788	4.2908	1.0000
n=12	0.1790	0.3852	0.4992	0.5659	0.6154	0.6611	0.7045	0.9119	1.1836	1.2726	1.3805	1.5453	1.7947	2.5349	3.8293	1.0000
n=13	0.2092	0.4011	0.5124	0.5802	0.6302	0.6757	0.7155	0.9179	1.1853	1.2672	1.3715	1.5160	1.7652	2.4354	4.3893	1.0000
n=14	0.2882	0.4142	0.5167	0.5840	0.6349	0.6786	0.7212	0.9240	1.1833	1.2656	1.3611	1.5045	1.7491	2.4007	3.6883	1.0000
n=15	0.2818	0.4221	0.5312	0.5995	0.6505	0.6906	0.7316	0.9265	1.1901	1.2649	1.3602	1.4868	1.7211	2.2458	3.3709	1.0000
n=16	0.2946	0.4484	0.5483	0.6117	0.6617	0.7034	0.7408	0.9266	1.1787	1.2533	1.3402	1.4686	1.7116	2.2292	3.9016	1.0000
n=17	0.2821	0.4578	0.5593	0.6256	0.6707	0.7095	0.7476	0.9326	1.1741	1.2393	1.3251	1.4507	1.6662	2.2367	3.3740	1.0000
n=18	0.3082	0.4651	0.5635	0.6295	0.6796	0.7220	0.7622	0.9400	1.1679	1.2334	1.3169	1.4404	1.6539	2.0946	3.6973	1.0000
n=19	0.2635	0.4738	0.5731	0.6381	0.6856	0.7256	0.7606	0.9394	1.1720	1.2375	1.3191	1.4474	1.6408	2.0724	3.0021	1.0000
n=20	0.3012	0.4852	0.5839	0.6461	0.6971	0.7368	0.7711	0.9393	1.1627	1.2319	1.3149	1.4196	1.6083	2.1093	4.1895	1.0000
n=21	0.3427	0.4869	0.5893	0.6468	0.6938	0.7348	0.7726	0.9429	1.1627	1.2240	1.3085	1.4206	1.6214	2.0425	3.4596	1.0000
n=22	0.3676	0.5012	0.5980	0.6574	0.7078	0.7458	0.7808	0.9441	1.1581	1.2217	1.2977	1.4074	1.5902	2.0099	2.7650	1.0000
n=23	0.3177	0.5029	0.6032	0.6633	0.7059	0.7495	0.7823	0.9452	1.1600	1.2208	1.2954	1.3982	1.5916	1.9725	3.1437	1.0000
n=24	0.3198	0.5048	0.6058	0.6684	0.7135	0.7534	0.7890	0.9482	1.1539	1.2163	1.2911	1.3953	1.5670	1.9306	3.5554	1.0000
n=25	0.3612	0.5246	0.6163	0.6779	0.7220	0.7581	0.7924	0.9497	1.1561	1.2191	1.2872	1.3836	1.5565	1.9124	2.9860	1.0000
n=26	0.3559	0.5152	0.6192	0.6820	0.7215	0.7576	0.7919	0.9523	1.1545	1.2149	1.2887	1.3761	1.5528	1.8837	3.3134	1.0000
n=27	0.3784	0.5299	0.6236	0.6825	0.7256	0.7623	0.7938	0.9544	1.1483	1.2046	1.2783	1.3794	1.5420	1.9060	2.7348	1.0000
n=28	0.3377	0.5331	0.6277	0.6910	0.7370	0.7723	0.8064	0.9570	1.1501	1.2056	1.2695	1.3665	1.5206	1.8374	2.7845	1.0000
n=29	0.3949	0.5480	0.6399	0.6970	0.7412	0.7777	0.8088	0.9581	1.1444	1.1980	1.2621	1.3589	1.5108	1.8248	2.5350	1.0000
n=30	0.4114	0.5460	0.6417	0.6994	0.7423	0.7777	0.8084	0.9580	1.1453	1.2015	1.2654	1.3566	1.5011	1.8063	2.8557	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-8. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), Nickel, Spray Dryer Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0162	0.0608	0.1246	0.1730	0.2242	0.2708	0.3238	0.6336	1.2020	1.4245	1.6847	2.1631	3.0474	5.9395	22.0833	1.0000
n=2	0.0465	0.1329	0.2273	0.2950	0.3559	0.4131	0.4662	0.7541	1.2499	1.4160	1.6054	1.9416	2.5684	4.2815	16.7868	1.0000
n=3	0.0788	0.1992	0.3021	0.3803	0.4413	0.4934	0.5443	0.8177	1.2356	1.3719	1.5476	1.8029	2.2444	3.5576	12.8271	1.0000
n=4	0.1223	0.2461	0.3546	0.4308	0.4924	0.5455	0.5941	0.8488	1.2290	1.3508	1.5167	1.7299	2.1260	3.1857	8.9652	1.0000
n=5	0.1227	0.2840	0.3933	0.4727	0.5308	0.5800	0.6258	0.8706	1.2158	1.3255	1.4646	1.6654	2.0027	3.0507	7.4648	1.0000
n=6	0.1678	0.3138	0.4236	0.5029	0.5571	0.6091	0.6600	0.8914	1.2079	1.3015	1.4232	1.6052	1.9056	2.7959	7.3963	1.0000
n=7	0.1744	0.3449	0.4588	0.5331	0.5873	0.6388	0.6862	0.8985	1.2038	1.2979	1.4083	1.5697	1.8619	2.5878	6.5661	1.0000
n=8	0.2030	0.3713	0.4849	0.5553	0.6094	0.6557	0.6987	0.9083	1.1908	1.2870	1.3953	1.5414	1.7940	2.5170	5.9934	1.0000
n=9	0.2315	0.3903	0.4989	0.5704	0.6247	0.6711	0.7137	0.9180	1.1838	1.2654	1.3626	1.4980	1.7751	2.4410	5.7721	1.0000
n=10	0.2590	0.4173	0.5197	0.5854	0.6352	0.6838	0.7258	0.9256	1.1869	1.2570	1.3564	1.4790	1.7082	2.3131	5.3694	1.0000
n=11	0.2369	0.4216	0.5328	0.6028	0.6540	0.6981	0.7395	0.9346	1.1807	1.2508	1.3395	1.4735	1.6920	2.2250	4.8778	1.0000
n=12	0.2933	0.4351	0.5485	0.6180	0.6666	0.7114	0.7519	0.9339	1.1683	1.2340	1.3281	1.4450	1.6572	2.1800	4.3618	1.0000
n=13	0.3119	0.4572	0.5631	0.6337	0.6833	0.7258	0.7642	0.9454	1.1666	1.2328	1.3105	1.4281	1.6317	2.0537	4.2132	1.0000
n=14	0.3322	0.4722	0.5773	0.6459	0.6933	0.7345	0.7711	0.9465	1.1671	1.2277	1.3009	1.4063	1.5875	2.0820	4.5916	1.0000
n=15	0.3212	0.4928	0.5889	0.6475	0.6949	0.7373	0.7739	0.9472	1.1550	1.2153	1.2934	1.4069	1.5943	2.0519	4.2707	1.0000
n=16	0.3278	0.4931	0.6048	0.6663	0.7136	0.7523	0.7874	0.9484	1.1510	1.2132	1.2881	1.3854	1.5468	2.0145	3.2535	1.0000
n=17	0.3283	0.5012	0.6083	0.6689	0.7122	0.7537	0.7880	0.9509	1.1549	1.2114	1.2879	1.3867	1.5446	1.9652	3.4315	1.0000
n=18	0.3375	0.5105	0.6119	0.6748	0.7231	0.7608	0.7949	0.9496	1.1473	1.2048	1.2763	1.3711	1.5282	1.9490	3.5414	1.0000
n=19	0.3235	0.5345	0.6289	0.6896	0.7323	0.7674	0.8027	0.9538	1.1444	1.1985	1.2633	1.3565	1.5053	1.9324	3.2680	1.0000
n=20	0.3180	0.5340	0.6286	0.6897	0.7341	0.7716	0.8045	0.9554	1.1438	1.1920	1.2627	1.3577	1.4987	1.9334	3.1792	1.0000
n=21	0.3619	0.5332	0.6351	0.7015	0.7437	0.7799	0.8114	0.9601	1.1423	1.1905	1.2522	1.3434	1.4954	1.8483	2.9214	1.0000
n=22	0.3356	0.5516	0.6471	0.7052	0.7488	0.7856	0.8147	0.9630	1.1329	1.1825	1.2513	1.3399	1.4937	1.7926	3.0723	1.0000
n=23	0.4221	0.5634	0.6543	0.7090	0.7507	0.7855	0.8169	0.9608	1.1343	1.1877	1.2502	1.3301	1.4727	1.8307	3.3114	1.0000
n=24	0.4109	0.5649	0.6566	0.7140	0.7569	0.7931	0.8250	0.9621	1.1320	1.1778	1.2397	1.3168	1.4698	1.7885	3.0500	1.0000
n=25	0.3634	0.5732	0.6653	0.7211	0.7593	0.7943	0.8226	0.9641	1.1309	1.1807	1.2385	1.3125	1.4555	1.7802	2.8205	1.0000
n=26	0.4398	0.5791	0.6751	0.7292	0.7656	0.8008	0.8299	0.9671	1.1282	1.1687	1.2246	1.3023	1.4429	1.7956	2.5761	1.0000
n=27	0.4113	0.5759	0.6716	0.7253	0.7637	0.7973	0.8310	0.9661	1.1285	1.1731	1.2301	1.3083	1.4308	1.7799	2.5800	1.0000
n=28	0.4865	0.5896	0.6799	0.7347	0.7728	0.8070	0.8357	0.9650	1.1269	1.1738	1.2282	1.3022	1.4130	1.7333	2.8149	1.0000
n=29	0.4490	0.5910	0.6809	0.7352	0.7745	0.8064	0.8369	0.9699	1.1235	1.1656	1.2226	1.2958	1.4158	1.7820	2.6984	1.0000
n=30	0.4215	0.6017	0.6869	0.7425	0.7796	0.8112	0.8391	0.9680	1.1184	1.1624	1.2134	1.2911	1.4168	1.7966	2.5840	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-9. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn Waterwall), Nitrous Oxides, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.1009	0.3318	0.5238	0.6354	0.7064	0.7645	0.8203	1.0108	1.1922	1.2371	1.2850	1.3529	1.4356	1.5838	1.9003	1.0000
n=2	0.3428	0.5465	0.6744	0.7456	0.7965	0.8349	0.8691	1.0037	1.1344	1.1680	1.2064	1.2486	1.3149	1.4266	1.6836	1.0000
n=3	0.4324	0.6276	0.7390	0.7986	0.8359	0.8679	0.8939	1.0013	1.1084	1.1365	1.1653	1.2030	1.2565	1.3548	1.5494	1.0000
n=4	0.5030	0.6828	0.7698	0.8227	0.8575	0.8864	0.9106	1.0019	1.0928	1.1149	1.1416	1.1751	1.2223	1.3048	1.4651	1.0000
n=5	0.4493	0.7185	0.7930	0.8391	0.8713	0.8962	0.9167	1.0013	1.0842	1.1042	1.1260	1.1563	1.2032	1.2762	1.4173	1.0000
n=6	0.5530	0.7386	0.8170	0.8576	0.8832	0.9053	0.9236	1.0018	1.0758	1.0946	1.1161	1.1418	1.1799	1.2503	1.3972	1.0000
n=7	0.5364	0.7601	0.8303	0.8683	0.8948	0.9141	0.9311	1.0006	1.0694	1.0866	1.1062	1.1301	1.1643	1.2356	1.3544	1.0000
n=8	0.6116	0.7700	0.8388	0.8741	0.8976	0.9168	0.9336	1.0017	1.0663	1.0830	1.1009	1.1240	1.1574	1.2193	1.3250	1.0000
n=9	0.6746	0.7877	0.8485	0.8824	0.9069	0.9236	0.9391	1.0012	1.0619	1.0766	1.0931	1.1152	1.1485	1.2043	1.3939	1.0000
n=10	0.6945	0.8027	0.8584	0.8886	0.9107	0.9279	0.9424	1.0005	1.0582	1.0728	1.0885	1.1093	1.1389	1.1947	1.2752	1.0000
n=11	0.6996	0.8044	0.8632	0.8934	0.9144	0.9301	0.9441	1.0007	1.0562	1.0701	1.0854	1.1054	1.1341	1.1846	1.2897	1.0000
n=12	0.7227	0.8125	0.8699	0.8989	0.9182	0.9336	0.9468	0.9997	1.0542	1.0670	1.0826	1.1012	1.1293	1.1783	1.3264	1.0000
n=13	0.7066	0.8205	0.8743	0.9032	0.9216	0.9373	0.9499	1.0004	1.0515	1.0639	1.0779	1.0960	1.1219	1.1724	1.2685	1.0000
n=14	0.7283	0.8377	0.8817	0.9068	0.9246	0.9386	0.9505	0.9994	1.0486	1.0604	1.0756	1.0938	1.1194	1.1685	1.2921	1.0000
n=15	0.7491	0.8329	0.8829	0.9095	0.9269	0.9411	0.9528	1.0002	1.0482	1.0591	1.0718	1.0888	1.1156	1.1654	1.2536	1.0000
n=16	0.7331	0.8395	0.8888	0.9132	0.9301	0.9441	0.9552	0.9997	1.0463	1.0565	1.0694	1.0870	1.1106	1.1547	1.2389	1.0000
n=17	0.7634	0.8465	0.8913	0.9153	0.9323	0.9452	0.9562	1.0007	1.0447	1.0554	1.0678	1.0837	1.1078	1.1509	1.2415	1.0000
n=18	0.7265	0.8486	0.8917	0.9161	0.9320	0.9449	0.9562	1.0010	1.0444	1.0551	1.0678	1.0821	1.1058	1.1493	1.2755	1.0000
n=19	0.7745	0.8558	0.8970	0.9201	0.9351	0.9470	0.9580	0.9993	1.0430	1.0531	1.0654	1.0794	1.1023	1.1420	1.2353	1.0000
n=20	0.7687	0.8587	0.8983	0.9210	0.9363	0.9483	0.9595	1.0005	1.0412	1.0505	1.0626	1.0775	1.1000	1.1395	1.2482	1.0000
n=21	0.7866	0.8633	0.9050	0.9247	0.9388	0.9508	0.9606	1.0005	1.0397	1.0491	1.0608	1.0755	1.0969	1.1357	1.2173	1.0000
n=22	0.7592	0.8604	0.9033	0.9257	0.9388	0.9512	0.9607	1.0003	1.0396	1.0495	1.0611	1.0752	1.0953	1.1339	1.2008	1.0000
n=23	0.7691	0.8677	0.9071	0.9258	0.9400	0.9518	0.9617	1.0003	1.0379	1.0480	1.0585	1.0730	1.0926	1.1319	1.2382	1.0000
n=24	0.7575	0.8702	0.9098	0.9290	0.9419	0.9528	0.9622	1.0001	1.0377	1.0466	1.0579	1.0712	1.0917	1.1301	1.2158	1.0000
n=25	0.7620	0.8730	0.9071	0.9287	0.9434	0.9542	0.9634	1.0010	1.0370	1.0455	1.0565	1.0697	1.0890	1.1230	1.2533	1.0000
n=26	0.7975	0.8731	0.9117	0.9303	0.9436	0.9548	0.9634	1.0004	1.0370	1.0455	1.0559	1.0688	1.0881	1.1210	1.1841	1.0000
n=27	0.7489	0.8777	0.9137	0.9325	0.9453	0.9560	0.9647	1.0004	1.0355	1.0442	1.0547	1.0681	1.0860	1.1215	1.1881	1.0000
n=28	0.7942	0.8764	0.9136	0.9345	0.9475	0.9573	0.9655	1.0004	1.0346	1.0434	1.0540	1.0653	1.0840	1.1159	1.1929	1.0000
n=29	0.8059	0.8820	0.9169	0.9356	0.9479	0.9582	0.9660	1.0004	1.0349	1.0431	1.0530	1.0646	1.0810	1.1143	1.2199	1.0000
n=30	0.8293	0.8844	0.9173	0.9350	0.9478	0.9577	0.9651	1.0006	1.0339	1.0420	1.0522	1.0636	1.0825	1.1148	1.1802	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-10. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), PM-Filterable, Duct Sorbent Injection with Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	4.84E-04	0.0176	0.0769	0.1397	0.2134	0.2750	0.3458	0.7608	1.4023	1.5968	1.8702	2.1767	2.7447	3.9732	7.4474	1.0000
n=2	0.0131	0.1140	0.2278	0.3169	0.3904	0.4575	0.5242	0.8598	1.3418	1.4896	1.6514	1.8693	2.2376	2.9051	4.8759	1.0000
n=3	0.0330	0.1881	0.3211	0.4154	0.4914	0.5581	0.6239	0.9245	1.2873	1.3951	1.5096	1.6802	1.9529	2.5299	3.3585	1.0000
n=4	0.0819	0.2441	0.3908	0.4854	0.5583	0.6213	0.6805	0.9425	1.2567	1.3453	1.4466	1.5934	1.8105	2.2581	3.2924	1.0000
n=5	0.1018	0.3141	0.4528	0.5365	0.6066	0.6676	0.7186	0.9527	1.2385	1.3066	1.3978	1.5137	1.7079	2.1155	3.9912	1.0000
n=6	0.1438	0.3409	0.4838	0.5697	0.6377	0.6920	0.7352	0.9586	1.2153	1.2845	1.3695	1.4863	1.6610	2.0228	2.8089	1.0000
n=7	0.1905	0.3792	0.5209	0.6053	0.6664	0.7151	0.7613	0.9654	1.2023	1.2667	1.3431	1.4403	1.6014	1.9075	2.8816	1.0000
n=8	0.1808	0.4160	0.5492	0.6292	0.6852	0.7370	0.7805	0.9687	1.1889	1.2465	1.3172	1.4132	1.5597	1.8454	2.6376	1.0000
n=9	0.1843	0.4363	0.5656	0.6466	0.7016	0.7473	0.7884	0.9744	1.1832	1.2381	1.3050	1.3890	1.5190	1.7978	2.5141	1.0000
n=10	0.2112	0.4668	0.5846	0.6634	0.7185	0.7642	0.8040	0.9751	1.1697	1.2219	1.2868	1.3705	1.4954	1.7320	2.3615	1.0000
n=11	0.2834	0.4821	0.6009	0.6757	0.7258	0.7704	0.8067	0.9746	1.1687	1.2222	1.2807	1.3562	1.4765	1.7016	2.6350	1.0000
n=12	0.2832	0.4926	0.6200	0.6914	0.7433	0.7845	0.8217	0.9780	1.1576	1.2076	1.2647	1.3354	1.4524	1.6676	2.2242	1.0000
n=13	0.3314	0.5224	0.6319	0.6987	0.7508	0.7889	0.8259	0.9820	1.1547	1.1978	1.2528	1.3215	1.4295	1.6357	2.1946	1.0000
n=14	0.3542	0.5240	0.6433	0.7123	0.7586	0.7946	0.8293	0.9825	1.1540	1.1968	1.2480	1.3144	1.4105	1.6281	1.9983	1.0000
n=15	0.2810	0.5374	0.6504	0.7181	0.7664	0.8048	0.8402	0.9841	1.1451	1.1860	1.2365	1.2987	1.3956	1.6003	1.9729	1.0000
n=16	0.3955	0.5675	0.6682	0.7320	0.7755	0.8131	0.8460	0.9866	1.1363	1.1723	1.2236	1.2863	1.3830	1.5668	1.9936	1.0000
n=17	0.3802	0.5640	0.6696	0.7347	0.7806	0.8185	0.8507	0.9848	1.1340	1.1753	1.2241	1.2905	1.3811	1.5713	1.9477	1.0000
n=18	0.3606	0.5797	0.6865	0.7422	0.7872	0.8240	0.8544	0.9878	1.1297	1.1651	1.2112	1.2705	1.3626	1.5383	1.9274	1.0000
n=19	0.3419	0.5880	0.6881	0.7513	0.7947	0.8284	0.8595	0.9879	1.1272	1.1633	1.2068	1.2664	1.3579	1.5236	2.1210	1.0000
n=20	0.4036	0.6030	0.7004	0.7578	0.7989	0.8312	0.8606	0.9872	1.1255	1.1623	1.2067	1.2607	1.3414	1.5085	2.1311	1.0000
n=21	0.3515	0.6033	0.7089	0.7665	0.8063	0.8376	0.8675	0.9868	1.1189	1.1550	1.1958	1.2565	1.3378	1.4878	2.0892	1.0000
n=22	0.3897	0.6117	0.7068	0.7643	0.8038	0.8380	0.8665	0.9884	1.1203	1.1564	1.1973	1.2490	1.3306	1.4869	1.8531	1.0000
n=23	0.4171	0.6189	0.7127	0.7712	0.8095	0.8427	0.8710	0.9892	1.1171	1.1537	1.1937	1.2420	1.3223	1.4693	1.8112	1.0000
n=24	0.3418	0.6263	0.7197	0.7770	0.8143	0.8440	0.8711	0.9890	1.1186	1.1501	1.1887	1.2399	1.3157	1.4606	1.8363	1.0000
n=25	0.4427	0.6331	0.7312	0.7851	0.8189	0.8485	0.8768	0.9909	1.1096	1.1426	1.1834	1.2299	1.3019	1.4598	1.6949	1.0000
n=26	0.4560	0.6283	0.7294	0.7828	0.8219	0.8534	0.8803	0.9921	1.1122	1.1441	1.1818	1.2284	1.3007	1.4308	1.7075	1.0000
n=27	0.4656	0.6495	0.7361	0.7868	0.8228	0.8538	0.8812	0.9908	1.1131	1.1423	1.1799	1.2239	1.2867	1.4138	1.6379	1.0000
n=28	0.4481	0.6549	0.7395	0.7933	0.8301	0.8586	0.8828	0.9897	1.1071	1.1359	1.1705	1.2157	1.2908	1.4410	1.7239	1.0000
n=29	0.4734	0.6546	0.7414	0.7969	0.8333	0.8611	0.8856	0.9895	1.1049	1.1345	1.1716	1.2201	1.2847	1.4330	1.8036	1.0000
n=30	0.5079	0.6680	0.7522	0.8032	0.8370	0.8637	0.8887	0.9912	1.1022	1.1278	1.1628	1.2088	1.2728	1.4170	1.6488	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-11. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), PM-Filterable, Spray Dryer/ESP

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.3713	0.5152	0.6198	0.6822	0.7299	0.7666	0.8030	0.9631	1.1535	1.2070	1.2708	1.3721	1.5175	1.8204	2.7557	1.0000
n=2	0.4707	0.6371	0.7173	0.7677	0.8061	0.8352	0.8621	0.9820	1.1168	1.1533	1.1922	1.2502	1.3483	1.5492	1.9899	1.0000
n=3	0.5022	0.6778	0.7608	0.8052	0.8359	0.8625	0.8876	0.9881	1.0980	1.1302	1.1661	1.2101	1.2816	1.4318	1.7188	1.0000
n=4	0.5540	0.7203	0.7897	0.8290	0.8589	0.8833	0.9029	0.9887	1.0870	1.1127	1.1413	1.1835	1.2439	1.3658	1.6616	1.0000
n=5	0.6271	0.7505	0.8126	0.8501	0.8738	0.8938	0.9141	0.9928	1.0765	1.1011	1.1283	1.1629	1.2142	1.3212	1.6515	1.0000
n=6	0.6158	0.7719	0.8263	0.8603	0.8854	0.9053	0.9226	0.9925	1.0712	1.0923	1.1173	1.1485	1.1911	1.2874	1.4955	1.0000
n=7	0.7099	0.7818	0.8374	0.8705	0.8930	0.9101	0.9267	0.9947	1.0676	1.0868	1.1064	1.1366	1.1815	1.2684	1.4480	1.0000
n=8	0.6756	0.7920	0.8468	0.8797	0.9004	0.9177	0.9319	0.9936	1.0631	1.0817	1.1017	1.1292	1.1709	1.2552	1.5349	1.0000
n=9	0.6919	0.8117	0.8574	0.8852	0.9053	0.9222	0.9363	0.9948	1.0588	1.0756	1.0947	1.1197	1.1605	1.2352	1.3868	1.0000
n=10	0.6998	0.8156	0.8649	0.8919	0.9094	0.9250	0.9389	0.9957	1.0577	1.0733	1.0919	1.1141	1.1468	1.2184	1.3615	1.0000
n=11	0.7518	0.8268	0.8709	0.8960	0.9144	0.9300	0.9433	0.9962	1.0531	1.0678	1.0836	1.1060	1.1419	1.2074	1.4530	1.0000
n=12	0.7786	0.8324	0.8752	0.9018	0.9184	0.9332	0.9444	0.9952	1.0515	1.0657	1.0826	1.1048	1.1362	1.2019	1.4284	1.0000
n=13	0.7640	0.8377	0.8796	0.9041	0.9211	0.9352	0.9470	0.9965	1.0497	1.0629	1.0793	1.1004	1.1308	1.1908	1.3277	1.0000
n=14	0.7586	0.8403	0.8838	0.9093	0.9259	0.9384	0.9500	0.9972	1.0470	1.0607	1.0752	1.0941	1.1246	1.1869	1.3248	1.0000
n=15	0.7598	0.8467	0.8886	0.9102	0.9256	0.9384	0.9494	0.9967	1.0467	1.0594	1.0748	1.0953	1.1234	1.1819	1.3017	1.0000
n=16	0.7703	0.8507	0.8907	0.9133	0.9284	0.9403	0.9513	0.9967	1.0456	1.0574	1.0715	1.0916	1.1195	1.1765	1.3046	1.0000
n=17	0.7823	0.8537	0.8940	0.9159	0.9320	0.9444	0.9546	0.9975	1.0431	1.0551	1.0686	1.0868	1.1142	1.1640	1.2770	1.0000
n=18	0.7786	0.8583	0.8966	0.9180	0.9322	0.9439	0.9543	0.9976	1.0434	1.0544	1.0679	1.0859	1.1122	1.1622	1.2760	1.0000
n=19	0.7852	0.8635	0.8993	0.9182	0.9333	0.9455	0.9557	0.9974	1.0421	1.0535	1.0668	1.0832	1.1090	1.1587	1.2783	1.0000
n=20	0.8019	0.8639	0.9012	0.9217	0.9365	0.9469	0.9566	0.9974	1.0404	1.0511	1.0642	1.0806	1.1076	1.1552	1.2691	1.0000
n=21	0.8166	0.8669	0.9039	0.9243	0.9373	0.9486	0.9579	0.9981	1.0393	1.0504	1.0628	1.0780	1.1019	1.1479	1.2431	1.0000
n=22	0.7975	0.8736	0.9065	0.9259	0.9388	0.9498	0.9598	0.9985	1.0380	1.0484	1.0605	1.0765	1.0991	1.1435	1.2430	1.0000
n=23	0.7980	0.8707	0.9070	0.9281	0.9412	0.9514	0.9607	0.9986	1.0377	1.0475	1.0593	1.0744	1.0958	1.1382	1.2206	1.0000
n=24	0.8085	0.8778	0.9095	0.9283	0.9417	0.9521	0.9610	0.9986	1.0363	1.0459	1.0580	1.0726	1.0954	1.1394	1.2589	1.0000
n=25	0.8117	0.8766	0.9111	0.9294	0.9422	0.9533	0.9617	0.9985	1.0368	1.0474	1.0582	1.0721	1.0949	1.1329	1.2371	1.0000
n=26	0.8077	0.8791	0.9132	0.9314	0.9435	0.9539	0.9622	0.9982	1.0356	1.0464	1.0574	1.0709	1.0917	1.1377	1.2352	1.0000
n=27	0.8154	0.8838	0.9160	0.9327	0.9450	0.9547	0.9637	0.9985	1.0355	1.0450	1.0551	1.0695	1.0901	1.1292	1.2200	1.0000
n=28	0.8244	0.8822	0.9167	0.9332	0.9459	0.9555	0.9641	0.9983	1.0346	1.0439	1.0544	1.0679	1.0890	1.1290	1.2026	1.0000
n=29	0.8119	0.8855	0.9176	0.9343	0.9456	0.9549	0.9636	0.9983	1.0344	1.0435	1.0544	1.0685	1.0874	1.1294	1.2340	1.0000
n=30	0.7998	0.8844	0.9182	0.9361	0.9478	0.9571	0.9653	0.9988	1.0342	1.0434	1.0533	1.0658	1.0849	1.1243	1.2195	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-12. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), PM-Filterable, Spray Dryer/Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0227	0.0890	0.1683	0.2256	0.2753	0.3271	0.3835	0.6809	1.2346	1.4332	1.7173	2.0791	2.8802	5.0963	28.7551	1.0000
n=2	0.0677	0.1917	0.2904	0.3571	0.4164	0.4704	0.5230	0.8064	1.2474	1.3957	1.5850	1.8719	2.3572	3.6861	10.4258	1.0000
n=3	0.0925	0.2529	0.3618	0.4380	0.4960	0.5519	0.6003	0.8569	1.2397	1.3574	1.5016	1.7185	2.1022	3.0817	10.1740	1.0000
n=4	0.1532	0.3039	0.4142	0.4892	0.5479	0.5982	0.6457	0.8875	1.2194	1.3237	1.4529	1.6172	1.9453	2.8470	7.9396	1.0000
n=5	0.1825	0.3484	0.4543	0.5227	0.5789	0.6299	0.6804	0.8957	1.2121	1.3110	1.4327	1.5886	1.8637	2.5554	6.7375	1.0000
n=6	0.2102	0.3758	0.4861	0.5592	0.6118	0.6606	0.7032	0.9144	1.1975	1.2843	1.3909	1.5348	1.8179	2.3571	5.5509	1.0000
n=7	0.2437	0.4157	0.5229	0.5886	0.6416	0.6875	0.7271	0.9271	1.1918	1.2748	1.3729	1.5012	1.7095	2.2124	5.2188	1.0000
n=8	0.2729	0.4296	0.5391	0.6078	0.6571	0.7029	0.7452	0.9367	1.1834	1.2555	1.3465	1.4693	1.6675	2.1134	5.2351	1.0000
n=9	0.3112	0.4488	0.5463	0.6190	0.6718	0.7194	0.7591	0.9454	1.1789	1.2409	1.3240	1.4340	1.6302	2.1059	5.2022	1.0000
n=10	0.3111	0.4666	0.5752	0.6432	0.6894	0.7312	0.7679	0.9471	1.1696	1.2331	1.3187	1.4201	1.6057	1.9798	4.0192	1.0000
n=11	0.3392	0.4807	0.5866	0.6563	0.7056	0.7466	0.7829	0.9485	1.1609	1.2243	1.3021	1.4025	1.5708	1.9569	3.7216	1.0000
n=12	0.3405	0.4972	0.6003	0.6676	0.7118	0.7536	0.7882	0.9512	1.1606	1.2225	1.2912	1.3900	1.5391	1.9425	3.8461	1.0000
n=13	0.3892	0.5187	0.6141	0.6783	0.7231	0.7602	0.7973	0.9613	1.1535	1.2067	1.2731	1.3572	1.5028	1.8449	3.6456	1.0000
n=14	0.3145	0.5257	0.6271	0.6833	0.7279	0.7671	0.8051	0.9591	1.1454	1.1993	1.2642	1.3556	1.5033	1.8528	3.5635	1.0000
n=15	0.3628	0.5420	0.6396	0.7022	0.7445	0.7796	0.8125	0.9636	1.1408	1.1923	1.2494	1.3348	1.4809	1.7959	3.5157	1.0000
n=16	0.3799	0.5487	0.6477	0.7050	0.7466	0.7848	0.8192	0.9602	1.1386	1.1881	1.2505	1.3314	1.4622	1.7767	3.5268	1.0000
n=17	0.4175	0.5583	0.6517	0.7111	0.7548	0.7916	0.8230	0.9655	1.1378	1.1821	1.2405	1.3174	1.4524	1.7717	3.1643	1.0000
n=18	0.4106	0.5665	0.6663	0.7237	0.7644	0.7991	0.8301	0.9684	1.1317	1.1790	1.2338	1.3106	1.4337	1.7205	2.9679	1.0000
n=19	0.4094	0.5739	0.6692	0.7256	0.7652	0.8010	0.8331	0.9703	1.1294	1.1748	1.2312	1.3076	1.4287	1.7142	2.9628	1.0000
n=20	0.4150	0.5816	0.6785	0.7352	0.7711	0.8053	0.8352	0.9728	1.1290	1.1738	1.2256	1.2989	1.4199	1.6865	2.8168	1.0000
n=21	0.4430	0.5933	0.6854	0.7387	0.7768	0.8080	0.8387	0.9730	1.1302	1.1728	1.2249	1.2896	1.4029	1.6808	2.5774	1.0000
n=22	0.4523	0.6038	0.6896	0.7438	0.7820	0.8143	0.8457	0.9739	1.1209	1.1616	1.2113	1.2795	1.3960	1.6570	2.6350	1.0000
n=23	0.4246	0.6108	0.6978	0.7512	0.7876	0.8202	0.8494	0.9715	1.1229	1.1640	1.2151	1.2806	1.3837	1.6443	2.7239	1.0000
n=24	0.4375	0.6023	0.6961	0.7493	0.7903	0.8211	0.8490	0.9748	1.1222	1.1598	1.2057	1.2702	1.3792	1.6508	2.4410	1.0000
n=25	0.4718	0.6192	0.7042	0.7577	0.7943	0.8251	0.8518	0.9747	1.1189	1.1544	1.2015	1.2677	1.3692	1.6493	2.6161	1.0000
n=26	0.4728	0.6157	0.7083	0.7612	0.7990	0.8285	0.8556	0.9783	1.1179	1.1535	1.2018	1.2623	1.3601	1.5884	2.4949	1.0000
n=27	0.4432	0.6296	0.7148	0.7667	0.8016	0.8312	0.8575	0.9770	1.1145	1.1534	1.1997	1.2608	1.3618	1.5849	2.5538	1.0000
n=28	0.4507	0.6386	0.7205	0.7694	0.8059	0.8349	0.8617	0.9787	1.1114	1.1462	1.1905	1.2524	1.3508	1.5923	2.4081	1.0000
n=29	0.4392	0.6386	0.7231	0.7713	0.8035	0.8349	0.8608	0.9782	1.1123	1.1495	1.1961	1.2580	1.3482	1.5497	3.1128	1.0000
n=30	0.4955	0.6443	0.7251	0.7723	0.8088	0.8379	0.8658	0.9821	1.1128	1.1459	1.1874	1.2442	1.3351	1.5524	2.2783	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-13.Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), PM-Filterable, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.3382	0.5466	0.6495	0.7124	0.7539	0.7879	0.8185	0.9728	1.1477	1.1949	1.2486	1.3204	1.4454	1.7420	2.4498	1.0000
n=2	0.5264	0.6608	0.7402	0.7888	0.8230	0.8507	0.8757	0.9835	1.1052	1.1374	1.1780	1.2293	1.3129	1.4966	1.9617	1.0000
n=3	0.5359	0.7111	0.7826	0.8260	0.8565	0.8802	0.8998	0.9899	1.0867	1.1136	1.1460	1.1864	1.2502	1.3894	1.8642	1.0000
n=4	0.6374	0.7453	0.8107	0.8476	0.8719	0.8922	0.9114	0.9927	1.0781	1.1007	1.1281	1.1630	1.2172	1.3251	1.6485	1.0000
n=5	0.6621	0.7670	0.8290	0.8631	0.8875	0.9061	0.9241	0.9940	1.0721	1.0903	1.1123	1.1429	1.1867	1.2869	1.5415	1.0000
n=6	0.6810	0.7911	0.8439	0.8738	0.8954	0.9132	0.9292	0.9947	1.0648	1.0825	1.1030	1.1312	1.1776	1.2661	1.5012	1.0000
n=7	0.7150	0.8006	0.8532	0.8825	0.9044	0.9209	0.9355	0.9943	1.0601	1.0775	1.0978	1.1252	1.1657	1.2397	1.4334	1.0000
n=8	0.7255	0.8120	0.8615	0.8905	0.9099	0.9257	0.9386	0.9956	1.0568	1.0727	1.0922	1.1153	1.1518	1.2288	1.3916	1.0000
n=9	0.7140	0.8204	0.8712	0.8985	0.9159	0.9306	0.9432	0.9960	1.0523	1.0677	1.0850	1.1076	1.1415	1.2031	1.3704	1.0000
n=10	0.7609	0.8343	0.8780	0.9030	0.9201	0.9333	0.9456	0.9956	1.0506	1.0638	1.0804	1.1024	1.1345	1.2040	1.2932	1.0000
n=11	0.7471	0.8406	0.8844	0.9069	0.9226	0.9360	0.9478	0.9967	1.0482	1.0620	1.0779	1.0998	1.1276	1.1850	1.3262	1.0000
n=12	0.7602	0.8448	0.8864	0.9112	0.9265	0.9397	0.9502	0.9969	1.0462	1.0591	1.0741	1.0936	1.1240	1.1802	1.3603	1.0000
n=13	0.7409	0.8544	0.8917	0.9137	0.9294	0.9417	0.9521	0.9971	1.0447	1.0572	1.0720	1.0902	1.1192	1.1712	1.2931	1.0000
n=14	0.7205	0.8588	0.8950	0.9173	0.9317	0.9433	0.9543	0.9975	1.0432	1.0544	1.0682	1.0855	1.1132	1.1638	1.3210	1.0000
n=15	0.7835	0.8595	0.8959	0.9186	0.9347	0.9463	0.9563	0.9974	1.0420	1.0532	1.0674	1.0843	1.1102	1.1641	1.2965	1.0000
n=16	0.7929	0.8619	0.9016	0.9208	0.9351	0.9466	0.9562	0.9986	1.0417	1.0515	1.0645	1.0808	1.1065	1.1583	1.2890	1.0000
n=17	0.8049	0.8691	0.9057	0.9260	0.9388	0.9488	0.9585	0.9976	1.0393	1.0494	1.0630	1.0786	1.1037	1.1471	1.2722	1.0000
n=18	0.7968	0.8718	0.9063	0.9246	0.9394	0.9497	0.9597	0.9979	1.0388	1.0494	1.0615	1.0764	1.1016	1.1476	1.2609	1.0000
n=19	0.8139	0.8779	0.9113	0.9289	0.9422	0.9521	0.9613	0.9976	1.0368	1.0468	1.0587	1.0734	1.0947	1.1353	1.2359	1.0000
n=20	0.8122	0.8768	0.9141	0.9313	0.9429	0.9534	0.9619	0.9985	1.0363	1.0455	1.0570	1.0707	1.0931	1.1380	1.2143	1.0000
n=21	0.8169	0.8807	0.9135	0.9312	0.9434	0.9543	0.9630	0.9986	1.0352	1.0450	1.0558	1.0700	1.0914	1.1366	1.2201	1.0000
n=22	0.8268	0.8828	0.9161	0.9331	0.9446	0.9553	0.9638	0.9978	1.0352	1.0442	1.0552	1.0689	1.0895	1.1303	1.2213	1.0000
n=23	0.8302	0.8867	0.9181	0.9359	0.9472	0.9567	0.9649	0.9980	1.0333	1.0429	1.0535	1.0665	1.0883	1.1288	1.2520	1.0000
n=24	0.8042	0.8876	0.9193	0.9362	0.9480	0.9571	0.9646	0.9983	1.0328	1.0422	1.0529	1.0661	1.0865	1.1273	1.2250	1.0000
n=25	0.8459	0.8894	0.9205	0.9375	0.9486	0.9579	0.9660	0.9987	1.0322	1.0403	1.0519	1.0646	1.0829	1.1182	1.2138	1.0000
n=26	0.8359	0.8912	0.9221	0.9380	0.9487	0.9580	0.9660	0.9993	1.0324	1.0409	1.0505	1.0631	1.0825	1.1184	1.2014	1.0000
n=27	0.8272	0.8930	0.9228	0.9394	0.9507	0.9602	0.9675	0.9988	1.0312	1.0406	1.0504	1.0623	1.0807	1.1170	1.1837	1.0000
n=28	0.8363	0.8931	0.9240	0.9405	0.9511	0.9603	0.9675	0.9988	1.0310	1.0391	1.0487	1.0611	1.0793	1.1165	1.1973	1.0000
n=29	0.8435	0.8970	0.9258	0.9413	0.9530	0.9610	0.9682	0.9987	1.0307	1.0382	1.0478	1.0603	1.0791	1.1152	1.1841	1.0000
n=30	0.8486	0.8970	0.9269	0.9417	0.9522	0.9608	0.9684	0.9987	1.0302	1.0377	1.0480	1.0595	1.0779	1.1100	1.1857	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-14. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (Mass Burn), PM-Filterable, ESP

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0206	0.0807	0.1379	0.1968	0.2479	0.2937	0.3444	0.6628	1.2162	1.3971	1.6857	2.1854	2.9990	5.7612	15.4533	1.0000
n=2	0.0747	0.1578	0.2502	0.3231	0.3793	0.4342	0.4866	0.7800	1.2431	1.3989	1.6092	1.8987	2.4482	4.1650	9.2866	1.0000
n=3	0.1052	0.2226	0.3273	0.4004	0.4642	0.5171	0.5682	0.8357	1.2365	1.3628	1.5253	1.7664	2.2405	3.4774	7.0359	1.0000
n=4	0.1126	0.2673	0.3837	0.4584	0.5181	0.5677	0.6215	0.8733	1.2233	1.3322	1.4780	1.6890	2.0657	2.9973	5.7779	1.0000
n=5	0.1852	0.3069	0.4263	0.4907	0.5489	0.5988	0.6491	0.8835	1.2170	1.3159	1.4446	1.6323	1.9757	2.8431	4.5137	1.0000
n=6	0.1920	0.3364	0.4500	0.5245	0.5837	0.6293	0.6770	0.8975	1.2067	1.2963	1.4163	1.5907	1.8992	2.7137	4.6857	1.0000
n=7	0.2218	0.3669	0.4839	0.5517	0.6078	0.6547	0.7009	0.9145	1.2044	1.2912	1.3974	1.5521	1.8182	2.3908	3.8620	1.0000
n=8	0.2620	0.3928	0.5001	0.5759	0.6282	0.6754	0.7204	0.9246	1.1902	1.2690	1.3672	1.5181	1.7563	2.4051	3.9950	1.0000
n=9	0.2755	0.4251	0.5289	0.5922	0.6480	0.6914	0.7340	0.9314	1.1841	1.2571	1.3417	1.4712	1.7083	2.2901	3.6353	1.0000
n=10	0.2619	0.4509	0.5454	0.6100	0.6617	0.7080	0.7494	0.9346	1.1720	1.2399	1.3400	1.4670	1.6909	2.1924	3.2214	1.0000
n=11	0.2848	0.4588	0.5617	0.6273	0.6801	0.7246	0.7628	0.9406	1.1758	1.2407	1.3274	1.4439	1.6250	2.0738	2.9430	1.0000
n=12	0.3275	0.4756	0.5759	0.6386	0.6830	0.7254	0.7696	0.9432	1.1659	1.2338	1.3126	1.4338	1.6174	2.0715	2.7549	1.0000
n=13	0.3479	0.4843	0.5899	0.6533	0.7016	0.7402	0.7772	0.9487	1.1634	1.2259	1.3006	1.4141	1.5813	1.9898	3.0095	1.0000
n=14	0.3369	0.4896	0.5994	0.6621	0.7081	0.7454	0.7809	0.9530	1.1681	1.2242	1.2991	1.4054	1.5795	1.9178	2.7203	1.0000
n=15	0.3575	0.5135	0.6120	0.6743	0.7208	0.7591	0.7928	0.9546	1.1540	1.2146	1.2845	1.3821	1.5459	1.8896	3.3847	1.0000
n=16	0.3966	0.5174	0.6185	0.6802	0.7267	0.7655	0.7961	0.9584	1.1518	1.2059	1.2836	1.3809	1.5254	1.8370	2.6479	1.0000
n=17	0.3895	0.5247	0.6261	0.6876	0.7315	0.7694	0.8029	0.9570	1.1506	1.2081	1.2738	1.3717	1.5146	1.8658	2.6794	1.0000
n=18	0.3920	0.5380	0.6330	0.6954	0.7379	0.7739	0.8045	0.9633	1.1534	1.2010	1.2619	1.3507	1.4998	1.8123	2.6374	1.0000
n=19	0.3637	0.5501	0.6458	0.7036	0.7474	0.7834	0.8166	0.9629	1.1451	1.1927	1.2583	1.3437	1.4825	1.7567	2.6942	1.0000
n=20	0.3781	0.5554	0.6520	0.7087	0.7522	0.7908	0.8232	0.9647	1.1367	1.1877	1.2515	1.3285	1.4695	1.7541	2.6726	1.0000
n=21	0.3988	0.5642	0.6596	0.7155	0.7553	0.7912	0.8214	0.9672	1.1407	1.1907	1.2486	1.3298	1.4578	1.7032	2.5761	1.0000
n=22	0.4396	0.5701	0.6587	0.7215	0.7622	0.7963	0.8260	0.9671	1.1425	1.1871	1.2432	1.3173	1.4470	1.7236	2.2158	1.0000
n=23	0.4180	0.5770	0.6649	0.7243	0.7634	0.7988	0.8287	0.9675	1.1376	1.1826	1.2409	1.3145	1.4425	1.6831	2.6466	1.0000
n=24	0.4375	0.5874	0.6800	0.7350	0.7761	0.8061	0.8378	0.9728	1.1303	1.1727	1.2299	1.2985	1.4124	1.6736	2.1167	1.0000
n=25	0.4450	0.5805	0.6812	0.7389	0.7782	0.8115	0.8405	0.9718	1.1331	1.1753	1.2306	1.2999	1.4063	1.6403	2.3812	1.0000
n=26	0.4503	0.5992	0.6890	0.7429	0.7816	0.8137	0.8454	0.9735	1.1268	1.1687	1.2229	1.2862	1.3993	1.6422	2.2126	1.0000
n=27	0.4709	0.6109	0.6941	0.7465	0.7856	0.8167	0.8446	0.9748	1.1213	1.1674	1.2177	1.2863	1.3992	1.6480	2.1983	1.0000
n=28	0.4659	0.6048	0.6979	0.7526	0.7908	0.8240	0.8499	0.9745	1.1241	1.1646	1.2139	1.2799	1.3836	1.6047	2.0764	1.0000
n=29	0.4549	0.6132	0.7041	0.7518	0.7877	0.8205	0.8506	0.9762	1.1236	1.1620	1.2126	1.2742	1.3789	1.6007	2.1335	1.0000
n=30	0.4682	0.6165	0.7048	0.7533	0.7921	0.8242	0.8549	0.9755	1.1216	1.1605	1.2104	1.2739	1.3759	1.5792	2.2922	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-15. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (RDF), PM-Filterable, ESP

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0004	0.0027	0.0107	0.0213	0.0335	0.0472	0.0638	0.2178	0.7215	0.9918	1.4056	2.1250	3.9721	12.8396	178.3067	1.0000
n=2	0.0013	0.0158	0.0400	0.0647	0.0880	0.1148	0.1441	0.3596	0.9459	1.1762	1.5150	2.1894	3.8506	11.1668	90.8815	1.0000
n=3	0.0092	0.0314	0.0666	0.0990	0.1295	0.1638	0.1978	0.4415	0.9947	1.2173	1.5599	2.0876	3.5467	9.0273	60.8882	1.0000
n=4	0.0079	0.0460	0.0918	0.1306	0.1689	0.2053	0.2472	0.4930	1.0311	1.2629	1.5833	2.1650	3.4185	8.0771	44.7036	1.0000
n=5	0.0164	0.0635	0.1186	0.1635	0.2091	0.2519	0.2949	0.5573	1.0894	1.2890	1.6085	2.1538	3.3362	7.0066	38.1754	1.0000
n=6	0.0300	0.0761	0.1387	0.1885	0.2350	0.2776	0.3206	0.5893	1.1197	1.3225	1.6335	2.1605	3.1917	7.0605	30.0201	1.0000
n=7	0.0300	0.0909	0.1545	0.2039	0.2527	0.2945	0.3374	0.5959	1.1002	1.2913	1.5873	2.0578	3.1246	6.6788	26.9700	1.0000
n=8	0.0284	0.1063	0.1725	0.2322	0.2794	0.3275	0.3744	0.6369	1.1363	1.3449	1.6340	2.0451	2.9867	6.1155	22.6489	1.0000
n=9	0.0409	0.1120	0.1846	0.2397	0.2889	0.3380	0.3814	0.6357	1.1451	1.3416	1.5930	2.0739	2.9893	5.7432	21.0832	1.0000
n=10	0.0476	0.1306	0.2097	0.2680	0.3168	0.3624	0.4064	0.6682	1.1326	1.3267	1.6049	2.0159	2.9234	5.5134	20.5905	1.0000
n=11	0.0748	0.1408	0.2212	0.2816	0.3298	0.3810	0.4264	0.6917	1.1697	1.3494	1.5858	1.9713	2.7047	5.2543	19.5009	1.0000
n=12	0.0568	0.1533	0.2273	0.2889	0.3399	0.3913	0.4364	0.6938	1.1626	1.3298	1.5696	1.9493	2.7390	5.2366	16.7366	1.0000
n=13	0.0715	0.1660	0.2401	0.2991	0.3546	0.4021	0.4505	0.7065	1.1707	1.3480	1.5761	1.9504	2.6818	4.8499	15.3335	1.0000
n=14	0.0678	0.1750	0.2612	0.3240	0.3733	0.4222	0.4672	0.7220	1.1947	1.3649	1.5842	1.9307	2.5513	4.4109	17.2777	1.0000
n=15	0.0818	0.1795	0.2703	0.3320	0.3862	0.4325	0.4767	0.7354	1.1776	1.3397	1.5276	1.8744	2.5224	4.4779	18.5267	1.0000
n=16	0.0788	0.1914	0.2845	0.3490	0.4021	0.4502	0.4950	0.7510	1.1909	1.3451	1.5668	1.8934	2.5045	4.2473	16.5045	1.0000
n=17	0.0986	0.1962	0.2826	0.3460	0.3998	0.4483	0.4930	0.7469	1.1869	1.3363	1.5543	1.8894	2.5750	4.4144	15.7836	1.0000
n=18	0.1100	0.2034	0.2926	0.3532	0.4072	0.4537	0.4997	0.7533	1.1839	1.3366	1.5432	1.8553	2.5190	4.5265	12.5355	1.0000
n=19	0.1123	0.2146	0.3074	0.3743	0.4272	0.4743	0.5198	0.7684	1.1817	1.3197	1.5216	1.8215	2.4986	4.2467	11.2183	1.0000
n=20	0.1140	0.2182	0.3144	0.3760	0.4284	0.4765	0.5223	0.7706	1.2005	1.3340	1.5412	1.8128	2.3882	4.2352	10.1930	1.0000
n=21	0.1110	0.2287	0.3241	0.3881	0.4411	0.4923	0.5350	0.7749	1.1974	1.3382	1.5383	1.8036	2.3158	4.0746	11.1441	1.0000
n=22	0.1154	0.2351	0.3267	0.3919	0.4455	0.4933	0.5380	0.7881	1.2036	1.3374	1.5115	1.8129	2.3492	3.9409	10.6475	1.0000
n=23	0.1326	0.2433	0.3355	0.4076	0.4611	0.5071	0.5523	0.7993	1.1922	1.3370	1.5061	1.7663	2.3124	3.8691	9.6875	1.0000
n=24	0.1123	0.2488	0.3473	0.4125	0.4643	0.5093	0.5520	0.7955	1.1842	1.3320	1.5208	1.7737	2.2946	3.7914	10.3855	1.0000
n=25	0.1318	0.2639	0.3544	0.4211	0.4706	0.5172	0.5668	0.8112	1.1917	1.3251	1.5008	1.7439	2.2511	3.7566	9.6578	1.0000
n=26	0.1574	0.2645	0.3545	0.4244	0.4804	0.5255	0.5715	0.8164	1.1919	1.3219	1.4833	1.7302	2.2464	3.6993	9.7473	1.0000
n=27	0.1248	0.2698	0.3665	0.4289	0.4798	0.5270	0.5692	0.8119	1.1935	1.3254	1.4916	1.7363	2.2261	3.7085	8.8628	1.0000
n=28	0.1595	0.2683	0.3692	0.4407	0.4936	0.5408	0.5827	0.8186	1.1930	1.3191	1.4809	1.7374	2.2135	3.5500	9.6785	1.0000
n=29	0.1309	0.2811	0.3748	0.4391	0.4915	0.5412	0.5885	0.8258	1.2024	1.3257	1.4812	1.7298	2.1803	3.3450	9.8818	1.0000
n=30	0.1545	0.2901	0.3786	0.4445	0.5001	0.5512	0.5971	0.8267	1.1855	1.3118	1.4817	1.7174	2.1796	3.5447	7.6717	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-16. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion (RDF), PM-Filterable, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.5737	0.7334	0.8023	0.8380	0.8646	0.8867	0.9072	0.9884	1.0826	1.1085	1.1376	1.1764	1.2342	1.3485	1.5999	1.0000
n=2	0.6679	0.8072	0.8558	0.8853	0.9039	0.9198	0.9350	0.9944	1.0589	1.0763	1.0959	1.1211	1.1608	1.2385	1.5675	1.0000
n=3	0.7440	0.8371	0.8803	0.9037	0.9205	0.9343	0.9466	0.9964	1.0494	1.0631	1.0795	1.1005	1.1327	1.1932	1.3632	1.0000
n=4	0.7736	0.8507	0.8936	0.9157	0.9306	0.9434	0.9539	0.9981	1.0442	1.0560	1.0694	1.0869	1.1119	1.1627	1.2659	1.0000
n=5	0.7717	0.8674	0.9035	0.9240	0.9372	0.9488	0.9582	0.9984	1.0396	1.0504	1.0620	1.0786	1.1027	1.1490	1.2507	1.0000
n=6	0.8118	0.8785	0.9139	0.9313	0.9433	0.9536	0.9623	0.9988	1.0357	1.0457	1.0569	1.0709	1.0923	1.1379	1.2028	1.0000
n=7	0.8376	0.8897	0.9187	0.9362	0.9481	0.9569	0.9655	0.9990	1.0331	1.0424	1.0524	1.0657	1.0857	1.1221	1.2386	1.0000
n=8	0.8536	0.8952	0.9245	0.9410	0.9519	0.9601	0.9673	0.9991	1.0311	1.0394	1.0484	1.0613	1.0791	1.1154	1.1941	1.0000
n=9	0.8488	0.9028	0.9287	0.9436	0.9536	0.9623	0.9696	0.9989	1.0287	1.0368	1.0470	1.0596	1.0763	1.1077	1.1751	1.0000
n=10	0.8529	0.9048	0.9316	0.9468	0.9572	0.9646	0.9716	0.9992	1.0274	1.0345	1.0432	1.0547	1.0716	1.1022	1.1846	1.0000
n=11	0.8650	0.9100	0.9351	0.9493	0.9585	0.9659	0.9724	0.9993	1.0269	1.0337	1.0416	1.0512	1.0672	1.0959	1.1722	1.0000
n=12	0.8620	0.9153	0.9385	0.9513	0.9600	0.9670	0.9736	0.9987	1.0256	1.0330	1.0402	1.0502	1.0638	1.0923	1.1615	1.0000
n=13	0.8585	0.9172	0.9411	0.9526	0.9612	0.9681	0.9745	0.9991	1.0248	1.0313	1.0387	1.0483	1.0619	1.0893	1.1504	1.0000
n=14	0.8843	0.9188	0.9435	0.9549	0.9634	0.9702	0.9756	0.9996	1.0236	1.0299	1.0368	1.0461	1.0585	1.0825	1.1700	1.0000
n=15	0.8841	0.9219	0.9436	0.9556	0.9635	0.9704	0.9766	0.9998	1.0227	1.0288	1.0354	1.0441	1.0579	1.0851	1.1380	1.0000
n=16	0.8758	0.9248	0.9469	0.9581	0.9656	0.9724	0.9778	0.9994	1.0211	1.0269	1.0340	1.0428	1.0562	1.0804	1.1562	1.0000
n=17	0.8895	0.9273	0.9482	0.9597	0.9670	0.9734	0.9782	0.9990	1.0212	1.0267	1.0331	1.0417	1.0539	1.0776	1.1230	1.0000
n=18	0.8684	0.9293	0.9481	0.9591	0.9667	0.9730	0.9782	0.9997	1.0218	1.0267	1.0330	1.0415	1.0525	1.0739	1.1224	1.0000
n=19	0.8790	0.9329	0.9509	0.9613	0.9683	0.9738	0.9790	0.9994	1.0202	1.0256	1.0318	1.0397	1.0511	1.0741	1.1161	1.0000
n=20	0.8951	0.9310	0.9512	0.9617	0.9689	0.9747	0.9796	0.9997	1.0200	1.0249	1.0308	1.0383	1.0502	1.0712	1.1240	1.0000
n=21	0.9027	0.9341	0.9528	0.9632	0.9699	0.9755	0.9802	0.9996	1.0195	1.0246	1.0302	1.0374	1.0479	1.0713	1.1226	1.0000
n=22	0.9035	0.9354	0.9538	0.9633	0.9703	0.9757	0.9801	0.9997	1.0191	1.0240	1.0295	1.0373	1.0481	1.0677	1.1254	1.0000
n=23	0.9043	0.9368	0.9549	0.9647	0.9714	0.9763	0.9809	0.9994	1.0186	1.0233	1.0286	1.0360	1.0468	1.0688	1.1047	1.0000
n=24	0.9021	0.9387	0.9555	0.9651	0.9716	0.9770	0.9812	0.9996	1.0181	1.0230	1.0285	1.0353	1.0458	1.0646	1.1034	1.0000
n=25	0.8945	0.9399	0.9572	0.9661	0.9729	0.9779	0.9820	0.9998	1.0175	1.0219	1.0272	1.0338	1.0434	1.0642	1.1170	1.0000
n=26	0.8980	0.9409	0.9571	0.9658	0.9727	0.9776	0.9818	0.9997	1.0181	1.0225	1.0275	1.0338	1.0439	1.0635	1.1099	1.0000
n=27	0.9123	0.9398	0.9580	0.9674	0.9733	0.9782	0.9827	0.9999	1.0170	1.0213	1.0264	1.0327	1.0425	1.0625	1.0950	1.0000
n=28	0.8959	0.9415	0.9587	0.9674	0.9735	0.9788	0.9829	1.0001	1.0170	1.0214	1.0264	1.0323	1.0411	1.0591	1.1077	1.0000
n=29	0.9210	0.9437	0.9600	0.9692	0.9748	0.9792	0.9832	0.9998	1.0160	1.0201	1.0251	1.0315	1.0411	1.0581	1.1047	1.0000
n=30	0.9161	0.9449	0.9613	0.9696	0.9751	0.9796	0.9835	0.9993	1.0162	1.0203	1.0256	1.0319	1.0412	1.0571	1.0878	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.2-17. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Refuse Combustion, Sulfur Dioxide, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0084	0.1374	0.2721	0.3914	0.4793	0.5478	0.6182	0.9499	1.3224	1.4131	1.5222	1.6794	1.9049	2.3786	3.1545	1.0000
n=2	0.1368	0.3123	0.4601	0.5564	0.6269	0.6851	0.7413	0.9770	1.2274	1.2945	1.3712	1.4759	1.6191	1.9009	2.3982	1.0000
n=3	0.2155	0.4104	0.5547	0.6423	0.7015	0.7516	0.7953	0.9868	1.1857	1.2374	1.3009	1.3796	1.4974	1.7278	2.3555	1.0000
n=4	0.3084	0.4901	0.6125	0.6907	0.7437	0.7865	0.8258	0.9890	1.1605	1.2060	1.2534	1.3255	1.4320	1.6083	2.0467	1.0000
n=5	0.3246	0.5215	0.6497	0.7181	0.7657	0.8057	0.8448	0.9927	1.1466	1.1886	1.2357	1.2954	1.3785	1.5459	1.9132	1.0000
n=6	0.3249	0.5659	0.6809	0.7483	0.7935	0.8287	0.8598	0.9897	1.1345	1.1699	1.2105	1.2635	1.3460	1.5068	1.8797	1.0000
n=7	0.3546	0.6001	0.7037	0.7634	0.8052	0.8382	0.8668	0.9924	1.1238	1.1572	1.1979	1.2461	1.3178	1.4623	1.7817	1.0000
n=8	0.4727	0.6242	0.7244	0.7788	0.8195	0.8500	0.8781	0.9960	1.1163	1.1484	1.1833	1.2273	1.2997	1.4181	1.7848	1.0000
n=9	0.4409	0.6396	0.7376	0.7905	0.8287	0.8595	0.8846	0.9940	1.1099	1.1366	1.1728	1.2158	1.2811	1.4024	1.6692	1.0000
n=10	0.4087	0.6519	0.7500	0.8010	0.8369	0.8652	0.8901	0.9947	1.1049	1.1329	1.1658	1.2051	1.2642	1.3763	1.6552	1.0000
n=11	0.4997	0.6699	0.7621	0.8106	0.8451	0.8714	0.8966	0.9943	1.0997	1.1263	1.1576	1.1953	1.2555	1.3678	1.5910	1.0000
n=12	0.5388	0.6823	0.7689	0.8159	0.8509	0.8769	0.9008	0.9986	1.0936	1.1179	1.1481	1.1837	1.2394	1.3571	1.6834	1.0000
n=13	0.5366	0.7022	0.7789	0.8254	0.8577	0.8819	0.9031	0.9962	1.0912	1.1159	1.1447	1.1818	1.2369	1.3374	1.4800	1.0000
n=14	0.5001	0.7038	0.7887	0.8352	0.8655	0.8899	0.9107	0.9954	1.0872	1.1099	1.1370	1.1709	1.2229	1.3283	1.5550	1.0000
n=15	0.5216	0.7214	0.7968	0.8369	0.8670	0.8914	0.9128	0.9986	1.0831	1.1054	1.1315	1.1629	1.2153	1.3041	1.4670	1.0000
n=16	0.5218	0.7177	0.8011	0.8432	0.8717	0.8950	0.9142	0.9980	1.0821	1.1041	1.1282	1.1599	1.2066	1.3009	1.5223	1.0000
n=17	0.5731	0.7350	0.8048	0.8480	0.8764	0.8990	0.9183	0.9966	1.0797	1.1004	1.1238	1.1558	1.2007	1.2947	1.5259	1.0000
n=18	0.6329	0.7355	0.8121	0.8492	0.8761	0.8975	0.9178	0.9974	1.0796	1.1003	1.1240	1.1544	1.1977	1.2845	1.6041	1.0000
n=19	0.6005	0.7440	0.8155	0.8551	0.8822	0.9040	0.9220	0.9967	1.0779	1.0977	1.1187	1.1491	1.1904	1.2681	1.4863	1.0000
n=20	0.6197	0.7558	0.8211	0.8590	0.8848	0.9069	0.9249	0.9966	1.0728	1.0917	1.1140	1.1435	1.1881	1.2682	1.4213	1.0000
n=21	0.5846	0.7612	0.8255	0.8640	0.8884	0.9089	0.9256	0.9980	1.0709	1.0894	1.1118	1.1412	1.1840	1.2560	1.5059	1.0000
n=22	0.6653	0.7675	0.8296	0.8682	0.8927	0.9111	0.9292	0.9967	1.0690	1.0872	1.1087	1.1365	1.1768	1.2579	1.4229	1.0000
n=23	0.6611	0.7649	0.8349	0.8698	0.8944	0.9138	0.9295	0.9975	1.0680	1.0873	1.1076	1.1348	1.1742	1.2488	1.3901	1.0000
n=24	0.6584	0.7759	0.8396	0.8725	0.8951	0.9149	0.9314	0.9978	1.0669	1.0844	1.1049	1.1292	1.1668	1.2445	1.4350	1.0000
n=25	0.6621	0.7731	0.8410	0.8735	0.8965	0.9161	0.9315	0.9990	1.0674	1.0849	1.1041	1.1269	1.1664	1.2371	1.3444	1.0000
n=26	0.6499	0.7777	0.8440	0.8764	0.8991	0.9183	0.9349	0.9985	1.0645	1.0822	1.1011	1.1268	1.1631	1.2256	1.4004	1.0000
n=27	0.6732	0.7820	0.8442	0.8771	0.9004	0.9183	0.9343	0.9977	1.0645	1.0817	1.0999	1.1253	1.1597	1.2294	1.3506	1.0000
n=28	0.6673	0.7921	0.8506	0.8820	0.9032	0.9206	0.9354	0.9990	1.0622	1.0773	1.0959	1.1194	1.1551	1.2226	1.4572	1.0000
n=29	0.6891	0.7916	0.8507	0.8846	0.9061	0.9223	0.9367	0.9971	1.0617	1.0772	1.0962	1.1212	1.1582	1.2221	1.3792	1.0000
n=30	0.6818	0.7902	0.8536	0.8875	0.9079	0.9232	0.9383	0.9984	1.0597	1.0743	1.0930	1.1154	1.1501	1.2150	1.3360	1.0000

(1) A normalized distribution is a distribution with mean 1.

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Appendix E.3

Waferboard/Oriented Strandboard Manufacturing

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Table E.3-1. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: OSB, Hot Press, PM-Filterable, Uncontrolled

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0120	0.0734	0.1408	0.2018	0.2499	0.2925	0.3370	0.6445	1.2208	1.4398	1.7332	2.1218	2.9654	5.5845	34.3905	1.0000
n=2	0.0873	0.1676	0.2507	0.3241	0.3835	0.4390	0.4892	0.7824	1.2430	1.4022	1.6009	1.8962	2.4409	4.1323	12.1976	1.0000
n=3	0.0909	0.2245	0.3173	0.3904	0.4501	0.5050	0.5584	0.8283	1.2340	1.3602	1.5310	1.7566	2.1922	3.5838	12.6156	1.0000
n=4	0.1462	0.2692	0.3793	0.4542	0.5115	0.5604	0.6110	0.8604	1.2247	1.3382	1.4812	1.6779	2.0444	3.0666	9.8029	1.0000
n=5	0.1561	0.3027	0.4137	0.4902	0.5498	0.6003	0.6488	0.8801	1.2102	1.3063	1.4344	1.6126	1.9541	3.0665	8.6174	1.0000
n=6	0.1848	0.3440	0.4503	0.5279	0.5836	0.6357	0.6808	0.8953	1.2014	1.2812	1.3938	1.5554	1.8608	2.7359	7.0309	1.0000
n=7	0.1764	0.3759	0.4780	0.5508	0.6064	0.6506	0.6926	0.9059	1.1832	1.2693	1.3799	1.5437	1.8172	2.6558	6.1667	1.0000
n=8	0.2356	0.3914	0.4990	0.5754	0.6314	0.6750	0.7131	0.9165	1.1825	1.2606	1.3596	1.5116	1.7516	2.5063	5.5725	1.0000
n=9	0.2705	0.4159	0.5184	0.5899	0.6445	0.6873	0.7258	0.9253	1.1801	1.2551	1.3501	1.4863	1.7250	2.3255	4.9461	1.0000
n=10	0.3067	0.4399	0.5368	0.6046	0.6598	0.6988	0.7422	0.9317	1.1743	1.2454	1.3333	1.4599	1.6724	2.3062	4.7177	1.0000
n=11	0.3203	0.4563	0.5574	0.6245	0.6717	0.7148	0.7531	0.9355	1.1627	1.2305	1.3132	1.4406	1.6439	2.2718	4.5614	1.0000
n=12	0.2925	0.4676	0.5735	0.6410	0.6904	0.7314	0.7693	0.9401	1.1660	1.2310	1.3075	1.4116	1.6021	2.1731	4.0281	1.0000
n=13	0.3133	0.4759	0.5818	0.6435	0.6905	0.7320	0.7690	0.9398	1.1582	1.2161	1.2979	1.4066	1.6038	2.1726	5.1484	1.0000
n=14	0.3636	0.4980	0.5948	0.6567	0.7028	0.7418	0.7805	0.9487	1.1523	1.2103	1.2863	1.3834	1.5710	2.0834	3.6372	1.0000
n=15	0.3032	0.5063	0.6102	0.6728	0.7168	0.7560	0.7898	0.9516	1.1494	1.2082	1.2787	1.3787	1.5548	2.0233	3.4845	1.0000
n=16	0.3472	0.5168	0.6146	0.6785	0.7206	0.7594	0.7935	0.9522	1.1448	1.2013	1.2732	1.3766	1.5500	2.0108	3.6885	1.0000
n=17	0.3671	0.5315	0.6269	0.6857	0.7305	0.7665	0.7983	0.9523	1.1391	1.1961	1.2607	1.3575	1.5243	2.0144	3.5678	1.0000
n=18	0.3800	0.5328	0.6335	0.6912	0.7350	0.7738	0.8043	0.9536	1.1426	1.1928	1.2592	1.3582	1.5090	1.9425	3.3035	1.0000
n=19	0.4090	0.5440	0.6410	0.6978	0.7409	0.7766	0.8097	0.9567	1.1354	1.1882	1.2528	1.3432	1.5012	1.8937	3.3189	1.0000
n=20	0.3262	0.5555	0.6498	0.7049	0.7486	0.7861	0.8175	0.9590	1.1347	1.1839	1.2448	1.3299	1.4907	1.9007	2.7412	1.0000
n=21	0.4350	0.5558	0.6504	0.7076	0.7477	0.7841	0.8175	0.9620	1.1352	1.1842	1.2449	1.3389	1.4727	1.8521	2.8435	1.0000
n=22	0.3929	0.5622	0.6594	0.7126	0.7543	0.7879	0.8182	0.9611	1.1342	1.1839	1.2378	1.3204	1.4724	1.8468	2.7676	1.0000
n=23	0.3726	0.5708	0.6611	0.7173	0.7615	0.7923	0.8239	0.9625	1.1278	1.1742	1.2340	1.3188	1.4572	1.8378	2.8337	1.0000
n=24	0.4407	0.5798	0.6722	0.7272	0.7665	0.7993	0.8296	0.9647	1.1236	1.1681	1.2229	1.3007	1.4475	1.8182	2.9153	1.0000
n=25	0.4449	0.5881	0.6778	0.7300	0.7713	0.8049	0.8331	0.9653	1.1246	1.1711	1.2240	1.3015	1.4368	1.7710	2.6191	1.0000
n=26	0.3766	0.5860	0.6847	0.7374	0.7761	0.8058	0.8335	0.9655	1.1236	1.1652	1.2202	1.2964	1.4234	1.7973	2.8988	1.0000
n=27	0.4213	0.5903	0.6874	0.7403	0.7782	0.8108	0.8386	0.9638	1.1189	1.1636	1.2184	1.2938	1.4300	1.7797	2.8902	1.0000
n=28	0.4594	0.6028	0.6921	0.7495	0.7848	0.8154	0.8428	0.9655	1.1222	1.1660	1.2206	1.2933	1.4111	1.7091	2.7480	1.0000
n=29	0.4328	0.6074	0.6984	0.7526	0.7871	0.8184	0.8456	0.9707	1.1175	1.1588	1.2096	1.2799	1.4037	1.7109	2.5872	1.0000
n=30	0.4615	0.6086	0.7000	0.7547	0.7908	0.8206	0.8475	0.9688	1.1143	1.1549	1.2060	1.2776	1.3963	1.7414	2.8888	1.0000

(1) A normalized distribution is a distribution with mean 1.

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Appendix E.4

Hot Mix Asphalt Plants

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Table E.4-1. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Hot Mix Asphalt (Drum Mix), Benzene, Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0914	0.2136	0.3253	0.3956	0.4608	0.5140	0.5602	0.8381	1.2350	1.3787	1.5684	1.8170	2.2128	3.3080	6.4335	1.0000
n=2	0.1949	0.3499	0.4541	0.5295	0.5857	0.6368	0.6873	0.9099	1.2163	1.3125	1.4268	1.5846	1.8301	2.4869	4.3684	1.0000
n=3	0.2566	0.4133	0.5272	0.6011	0.6514	0.6964	0.7371	0.9369	1.1907	1.2601	1.3505	1.4815	1.6932	2.1730	3.1222	1.0000
n=4	0.3258	0.4658	0.5698	0.6394	0.6887	0.7340	0.7745	0.9532	1.1739	1.2344	1.3115	1.4180	1.6002	1.9534	2.9675	1.0000
n=5	0.3306	0.5026	0.6081	0.6735	0.7195	0.7590	0.7915	0.9602	1.1581	1.2165	1.2875	1.3861	1.5366	1.8660	2.7527	1.0000
n=6	0.3881	0.5378	0.6348	0.6976	0.7418	0.7800	0.8164	0.9673	1.1521	1.2018	1.2627	1.3411	1.4573	1.7718	2.3375	1.0000
n=7	0.3967	0.5737	0.6639	0.7188	0.7630	0.7973	0.8275	0.9703	1.1391	1.1860	1.2396	1.3186	1.4338	1.6734	2.2303	1.0000
n=8	0.4047	0.5835	0.6740	0.7308	0.7758	0.8087	0.8379	0.9754	1.1336	1.1773	1.2320	1.3025	1.4096	1.6285	2.5301	1.0000
n=9	0.4448	0.6065	0.6930	0.7500	0.7888	0.8184	0.8481	0.9774	1.1244	1.1636	1.2148	1.2807	1.3872	1.6046	2.0066	1.0000
n=10	0.4488	0.6231	0.7129	0.7644	0.8027	0.8337	0.8599	0.9810	1.1195	1.1554	1.2020	1.2606	1.3460	1.5529	2.1083	1.0000
n=11	0.5031	0.6357	0.7202	0.7721	0.8080	0.8368	0.8641	0.9816	1.1147	1.1524	1.1968	1.2553	1.3462	1.5320	2.1162	1.0000
n=12	0.5034	0.6531	0.7284	0.7802	0.8146	0.8439	0.8693	0.9837	1.1122	1.1454	1.1858	1.2397	1.3273	1.5033	1.9076	1.0000
n=13	0.4902	0.6578	0.7432	0.7889	0.8226	0.8512	0.8749	0.9866	1.1050	1.1362	1.1770	1.2297	1.3142	1.4881	1.9126	1.0000
n=14	0.4665	0.6629	0.7476	0.7974	0.8294	0.8570	0.8799	0.9859	1.1035	1.1364	1.1744	1.2234	1.3114	1.4576	1.8600	1.0000
n=15	0.5365	0.6745	0.7532	0.7986	0.8322	0.8604	0.8843	0.9847	1.1010	1.1316	1.1713	1.2196	1.2933	1.4473	1.9096	1.0000
n=16	0.5533	0.6805	0.7642	0.8106	0.8408	0.8651	0.8885	0.9866	1.0997	1.1281	1.1638	1.2077	1.2802	1.4247	1.8180	1.0000
n=17	0.5216	0.6993	0.7683	0.8102	0.8399	0.8652	0.8889	0.9897	1.0975	1.1261	1.1610	1.2032	1.2723	1.3948	1.8019	1.0000
n=18	0.5357	0.7016	0.7762	0.8182	0.8471	0.8731	0.8949	0.9880	1.0962	1.1235	1.1535	1.1941	1.2581	1.3884	1.7066	1.0000
n=19	0.5196	0.7036	0.7807	0.8231	0.8523	0.8761	0.8969	0.9890	1.0909	1.1171	1.1476	1.1920	1.2575	1.3825	1.6596	1.0000
n=20	0.5765	0.7130	0.7868	0.8271	0.8567	0.8796	0.8996	0.9918	1.0882	1.1135	1.1441	1.1832	1.2462	1.3654	1.6649	1.0000
n=21	0.5884	0.7272	0.7907	0.8319	0.8595	0.8817	0.9023	0.9888	1.0883	1.1131	1.1441	1.1825	1.2404	1.3695	1.5470	1.0000
n=22	0.6121	0.7317	0.7955	0.8330	0.8607	0.8847	0.9043	0.9917	1.0844	1.1093	1.1372	1.1752	1.2351	1.3571	1.6031	1.0000
n=23	0.5807	0.7310	0.7970	0.8389	0.8658	0.8883	0.9081	0.9919	1.0808	1.1064	1.1356	1.1724	1.2331	1.3487	1.6328	1.0000
n=24	0.6399	0.7400	0.8063	0.8417	0.8659	0.8867	0.9063	0.9909	1.0801	1.1045	1.1323	1.1717	1.2310	1.3475	1.6905	1.0000
n=25	0.6202	0.7390	0.8045	0.8437	0.8721	0.8939	0.9130	0.9926	1.0791	1.1022	1.1289	1.1648	1.2221	1.3251	1.5311	1.0000
n=26	0.6033	0.7473	0.8121	0.8477	0.8757	0.8955	0.9132	0.9908	1.0796	1.1018	1.1287	1.1611	1.2174	1.3268	1.6561	1.0000
n=27	0.6560	0.7480	0.8137	0.8479	0.8740	0.8952	0.9148	0.9915	1.0790	1.1004	1.1263	1.1620	1.2102	1.3238	1.5880	1.0000
n=28	0.6356	0.7607	0.8212	0.8549	0.8787	0.8996	0.9185	0.9915	1.0732	1.0945	1.1204	1.1547	1.2082	1.3061	1.5254	1.0000
n=29	0.6197	0.7639	0.8236	0.8572	0.8814	0.8992	0.9166	0.9924	1.0745	1.0969	1.1220	1.1543	1.2058	1.2989	1.5017	1.0000
n=30	0.6229	0.7581	0.8208	0.8566	0.8807	0.9007	0.9197	0.9929	1.0740	1.0947	1.1192	1.1518	1.2046	1.3043	1.5145	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.4-2. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Hot Mix Asphalt (Drum Mix), Formaldehyde, Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0099	0.0577	0.1120	0.1656	0.2108	0.2586	0.3112	0.6111	1.1951	1.3937	1.6997	2.2021	3.1661	6.3005	17.5331	1.0000
n=2	0.0314	0.1335	0.2201	0.2852	0.3447	0.4013	0.4537	0.7430	1.2307	1.3935	1.6327	1.9765	2.6871	4.2376	10.5652	1.0000
n=3	0.0836	0.1918	0.2847	0.3612	0.4200	0.4738	0.5246	0.7917	1.2419	1.4049	1.5923	1.8631	2.3723	3.7967	12.0913	1.0000
n=4	0.1138	0.2438	0.3430	0.4207	0.4787	0.5313	0.5804	0.8338	1.2210	1.3488	1.5209	1.7517	2.1785	3.4355	9.8612	1.0000
n=5	0.1304	0.2826	0.3852	0.4598	0.5149	0.5688	0.6177	0.8644	1.2243	1.3412	1.4883	1.6975	2.0461	3.0498	8.1055	1.0000
n=6	0.1274	0.3089	0.4203	0.4918	0.5515	0.6005	0.6448	0.8827	1.2137	1.3154	1.4536	1.6351	1.9355	2.9082	6.6346	1.0000
n=7	0.1630	0.3344	0.4447	0.5149	0.5689	0.6189	0.6678	0.8955	1.2139	1.3087	1.4336	1.6007	1.9014	2.7032	5.8374	1.0000
n=8	0.2201	0.3604	0.4672	0.5385	0.6003	0.6465	0.6930	0.9088	1.2092	1.2964	1.4003	1.5574	1.8178	2.4399	5.5798	1.0000
n=9	0.2414	0.3853	0.4877	0.5574	0.6078	0.6559	0.7012	0.9171	1.2004	1.2819	1.3966	1.5474	1.7919	2.4179	5.4335	1.0000
n=10	0.2252	0.4012	0.5065	0.5788	0.6332	0.6773	0.7193	0.9214	1.1903	1.2681	1.3679	1.5048	1.7586	2.3457	5.8685	1.0000
n=11	0.2304	0.4151	0.5210	0.5876	0.6387	0.6819	0.7258	0.9229	1.1850	1.2646	1.3541	1.4796	1.7354	2.3219	4.7860	1.0000
n=12	0.3035	0.4297	0.5350	0.6038	0.6558	0.7013	0.7414	0.9396	1.1783	1.2474	1.3395	1.4703	1.6843	2.1815	3.9022	1.0000
n=13	0.2871	0.4551	0.5536	0.6221	0.6740	0.7138	0.7513	0.9375	1.1757	1.2463	1.3284	1.4459	1.6664	2.1356	3.6452	1.0000
n=14	0.2888	0.4682	0.5601	0.6266	0.6761	0.7178	0.7578	0.9369	1.1737	1.2442	1.3271	1.4452	1.6548	2.1113	3.6268	1.0000
n=15	0.2903	0.4750	0.5741	0.6365	0.6870	0.7275	0.7639	0.9442	1.1670	1.2285	1.3160	1.4255	1.6153	2.0967	3.6570	1.0000
n=16	0.3504	0.4840	0.5850	0.6529	0.7000	0.7420	0.7783	0.9468	1.1630	1.2287	1.3087	1.4144	1.5810	1.9664	3.9746	1.0000
n=17	0.3048	0.5012	0.5987	0.6607	0.7073	0.7470	0.7828	0.9491	1.1571	1.2211	1.2942	1.4012	1.5711	1.9585	3.6989	1.0000
n=18	0.3340	0.5033	0.6067	0.6697	0.7122	0.7522	0.7885	0.9500	1.1536	1.2142	1.2893	1.3934	1.5520	1.9900	3.6288	1.0000
n=19	0.3528	0.5060	0.6064	0.6698	0.7131	0.7533	0.7898	0.9492	1.1573	1.2190	1.2855	1.3838	1.5485	1.9416	3.0900	1.0000
n=20	0.3492	0.5128	0.6223	0.6816	0.7236	0.7603	0.7974	0.9536	1.1518	1.2102	1.2803	1.3818	1.5319	1.8741	3.8957	1.0000
n=21	0.4012	0.5255	0.6280	0.6847	0.7314	0.7679	0.8039	0.9612	1.1480	1.1965	1.2654	1.3577	1.5041	1.8849	3.1742	1.0000
n=22	0.3939	0.5374	0.6298	0.6915	0.7347	0.7713	0.8035	0.9599	1.1507	1.2073	1.2736	1.3596	1.5004	1.8373	2.7463	1.0000
n=23	0.3832	0.5397	0.6370	0.6957	0.7380	0.7760	0.8066	0.9586	1.1456	1.1990	1.2586	1.3496	1.5042	1.8370	3.2054	1.0000
n=24	0.3976	0.5507	0.6462	0.7074	0.7486	0.7829	0.8139	0.9641	1.1410	1.1931	1.2557	1.3396	1.4739	1.7977	2.7926	1.0000
n=25	0.4003	0.5502	0.6474	0.7059	0.7486	0.7850	0.8178	0.9620	1.1424	1.1931	1.2537	1.3397	1.4795	1.7804	2.9118	1.0000
n=26	0.3855	0.5553	0.6562	0.7130	0.7574	0.7928	0.8220	0.9654	1.1367	1.1896	1.2481	1.3303	1.4649	1.7613	2.7253	1.0000
n=27	0.4646	0.5686	0.6602	0.7181	0.7601	0.7944	0.8236	0.9659	1.1387	1.1823	1.2429	1.3267	1.4599	1.7152	2.8106	1.0000
n=28	0.4262	0.5701	0.6683	0.7254	0.7648	0.8011	0.8298	0.9687	1.1341	1.1798	1.2377	1.3121	1.4361	1.7070	2.4872	1.0000
n=29	0.4453	0.5799	0.6707	0.7269	0.7688	0.8017	0.8312	0.9678	1.1312	1.1756	1.2312	1.3080	1.4348	1.7519	2.4696	1.0000
n=30	0.4222	0.5800	0.6739	0.7297	0.7690	0.8026	0.8333	0.9676	1.1298	1.1787	1.2356	1.3090	1.4319	1.7329	2.4610	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.4-3. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Hot Mix Asphalt (Drum Mix), PM-Condensible (Inorganic), Wet Scrubber, Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	0 Percentile	5 Percentile	0 Percentile	5 Percentile	Median	5 Percentile	0 Percentile	5 Percentile	0 Percentile	5 Percentile	9 Percentile	Maximum	Mean
n=1	0.0705	0.1710	0.2564	0.3334	0.3998	0.4565	0.5100	0.8124	1.2555	1.4062	1.6236	1.8627	2.3738	3.8951	10.5706	1.0000
n=2	0.1511	0.2893	0.4005	0.4745	0.5297	0.5846	0.6349	0.8811	1.2202	1.3287	1.4686	1.6735	2.0262	2.8745	5.7269	1.0000
n=3	0.1842	0.3612	0.4738	0.5504	0.6058	0.6541	0.6983	0.9186	1.1966	1.2840	1.3895	1.5467	1.8048	2.5198	4.3234	1.0000
n=4	0.1993	0.4258	0.5324	0.5990	0.6460	0.6933	0.7373	0.9263	1.1831	1.2529	1.3500	1.4786	1.7123	2.3014	3.6663	1.0000
n=5	0.2851	0.4612	0.5632	0.6258	0.6770	0.7198	0.7561	0.9396	1.1754	1.2424	1.3309	1.4393	1.6329	2.0702	3.2411	1.0000
n=6	0.3449	0.4885	0.5939	0.6559	0.7010	0.7410	0.7775	0.9466	1.1636	1.2247	1.3036	1.4119	1.5849	2.0032	3.0346	1.0000
n=7	0.2984	0.5218	0.6187	0.6798	0.7255	0.7615	0.7940	0.9544	1.1558	1.2170	1.2858	1.3853	1.5355	1.8576	2.9463	1.0000
n=8	0.3865	0.5410	0.6348	0.6996	0.7441	0.7808	0.8135	0.9619	1.1460	1.1994	1.2608	1.3414	1.4861	1.8199	2.9289	1.0000
n=9	0.3941	0.5624	0.6550	0.7112	0.7559	0.7894	0.8216	0.9666	1.1407	1.1849	1.2445	1.3299	1.4615	1.7696	2.8057	1.0000
n=10	0.4307	0.5806	0.6660	0.7197	0.7607	0.7968	0.8294	0.9671	1.1355	1.1820	1.2413	1.3173	1.4462	1.7307	2.4984	1.0000
n=11	0.3845	0.5863	0.6748	0.7316	0.7721	0.8055	0.8368	0.9712	1.1324	1.1746	1.2282	1.2997	1.4238	1.6958	2.3662	1.0000
n=12	0.4369	0.6072	0.6925	0.7458	0.7815	0.8143	0.8421	0.9742	1.1264	1.1692	1.2195	1.2877	1.3971	1.6451	2.1778	1.0000
n=13	0.4650	0.6115	0.6994	0.7533	0.7917	0.8238	0.8512	0.9790	1.1226	1.1615	1.2114	1.2745	1.3738	1.6103	2.4509	1.0000
n=14	0.4646	0.6264	0.7086	0.7604	0.7958	0.8282	0.8556	0.9753	1.1200	1.1601	1.2104	1.2733	1.3765	1.5856	2.3374	1.0000
n=15	0.5210	0.6416	0.7198	0.7663	0.8040	0.8331	0.8602	0.9777	1.1151	1.1519	1.2004	1.2639	1.3606	1.5535	2.1303	1.0000
n=16	0.4707	0.6478	0.7282	0.7775	0.8116	0.8409	0.8665	0.9795	1.1108	1.1488	1.1913	1.2518	1.3455	1.5380	2.0745	1.0000
n=17	0.5143	0.6463	0.7377	0.7832	0.8161	0.8444	0.8699	0.9806	1.1076	1.1449	1.1840	1.2397	1.3330	1.5164	2.3272	1.0000
n=18	0.4941	0.6590	0.7409	0.7859	0.8193	0.8477	0.8728	0.9833	1.1057	1.1401	1.1821	1.2339	1.3264	1.4998	2.0367	1.0000
n=19	0.4675	0.6635	0.7438	0.7895	0.8237	0.8519	0.8766	0.9840	1.1043	1.1378	1.1771	1.2289	1.3150	1.4794	1.9614	1.0000
n=20	0.5292	0.6665	0.7497	0.7973	0.8308	0.8571	0.8787	0.9821	1.1032	1.1353	1.1736	1.2240	1.3047	1.4906	2.0444	1.0000
n=21	0.5280	0.6753	0.7573	0.8018	0.8343	0.8608	0.8838	0.9848	1.0991	1.1305	1.1680	1.2124	1.2924	1.4626	1.8952	1.0000
n=22	0.5381	0.6850	0.7614	0.8051	0.8358	0.8622	0.8857	0.9863	1.0997	1.1289	1.1665	1.2153	1.2873	1.4398	1.7281	1.0000
n=23	0.5622	0.6934	0.7665	0.8108	0.8408	0.8657	0.8883	0.9853	1.0937	1.1270	1.1626	1.2106	1.2880	1.4326	1.9195	1.0000
n=24	0.5802	0.7032	0.7698	0.8117	0.8414	0.8664	0.8892	0.9855	1.0939	1.1249	1.1588	1.2036	1.2773	1.4379	1.8508	1.0000
n=25	0.5615	0.7004	0.7761	0.8176	0.8455	0.8701	0.8920	0.9860	1.0917	1.1211	1.1556	1.2008	1.2714	1.4160	1.7710	1.0000
n=26	0.6003	0.7106	0.7768	0.8169	0.8480	0.8716	0.8935	0.9883	1.0945	1.1231	1.1539	1.1958	1.2614	1.4107	1.6922	1.0000
n=27	0.5486	0.7140	0.7836	0.8220	0.8529	0.8774	0.8970	0.9877	1.0890	1.1169	1.1475	1.1906	1.2601	1.4155	1.8220	1.0000
n=28	0.5971	0.7178	0.7865	0.8261	0.8541	0.8764	0.8977	0.9888	1.0877	1.1157	1.1478	1.1903	1.2567	1.3961	1.6544	1.0000
n=29	0.6273	0.7227	0.7911	0.8290	0.8553	0.8788	0.8990	0.9892	1.0874	1.1154	1.1463	1.1858	1.2474	1.3843	1.7342	1.0000
n=30	0.5802	0.7266	0.7930	0.8319	0.8618	0.8843	0.9026	0.9872	1.0847	1.1085	1.1418	1.1803	1.2436	1.3811	1.6775	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.4-4. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Hot Mix Asphalt (Batch Mixer), PM-Condensible (Inorganic), Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0003	0.0064	0.0192	0.0335	0.0484	0.0643	0.0843	0.2603	0.7870	1.0505	1.4535	2.1160	4.0069	11.8417	106.7551	1.0000
n=2	0.0023	0.0250	0.0567	0.0843	0.1141	0.1447	0.1799	0.4204	1.0054	1.2427	1.5848	2.2831	3.7282	8.5481	55.5457	1.0000
n=3	0.0105	0.0435	0.0893	0.1334	0.1735	0.2095	0.2524	0.5208	1.0831	1.3224	1.6675	2.2164	3.4373	7.5770	41.1185	1.0000
n=4	0.0186	0.0657	0.1193	0.1696	0.2141	0.2554	0.2973	0.5723	1.1195	1.3166	1.6376	2.0960	3.0824	7.4595	28.6616	1.0000
n=5	0.0356	0.0888	0.1543	0.2076	0.2527	0.2979	0.3394	0.6088	1.1603	1.3598	1.6389	2.0347	2.9857	6.8038	23.7973	1.0000
n=6	0.0271	0.1002	0.1712	0.2274	0.2719	0.3187	0.3609	0.6292	1.1562	1.3619	1.6142	2.0230	2.8846	6.7317	18.6589	1.0000
n=7	0.0437	0.1226	0.2017	0.2607	0.3106	0.3565	0.4062	0.6831	1.1930	1.3786	1.6224	1.9968	2.7767	5.6649	17.2817	1.0000
n=8	0.0368	0.1418	0.2211	0.2809	0.3328	0.3846	0.4306	0.7011	1.1835	1.3588	1.5758	1.9325	2.6404	5.5215	15.6654	1.0000
n=9	0.0744	0.1521	0.2365	0.3008	0.3569	0.4071	0.4524	0.7268	1.1995	1.3615	1.5776	1.8907	2.5492	5.1007	13.1953	1.0000
n=10	0.0746	0.1727	0.2518	0.3202	0.3732	0.4225	0.4742	0.7380	1.2034	1.3567	1.5761	1.9137	2.5516	4.6912	13.7874	1.0000
n=11	0.0774	0.1794	0.2672	0.3352	0.3876	0.4378	0.4843	0.7424	1.1782	1.3414	1.5503	1.8656	2.5476	4.7845	15.2972	1.0000
n=12	0.0814	0.1928	0.2796	0.3452	0.3953	0.4459	0.4931	0.7587	1.1955	1.3394	1.5538	1.8706	2.4679	4.5297	10.8013	1.0000
n=13	0.0912	0.1964	0.2881	0.3560	0.4104	0.4598	0.5075	0.7704	1.1880	1.3313	1.5377	1.8285	2.4354	4.4809	10.0239	1.0000
n=14	0.1062	0.2175	0.3062	0.3741	0.4268	0.4758	0.5249	0.7780	1.1997	1.3433	1.5287	1.8209	2.4020	4.1568	9.4303	1.0000
n=15	0.0896	0.2264	0.3210	0.3882	0.4408	0.4878	0.5384	0.7989	1.1926	1.3293	1.5158	1.7884	2.3534	4.1352	9.1051	1.0000
n=16	0.1092	0.2358	0.3326	0.4007	0.4530	0.4995	0.5462	0.7988	1.1983	1.3380	1.5131	1.7730	2.3329	4.0133	9.0797	1.0000
n=17	0.1373	0.2477	0.3493	0.4122	0.4631	0.5099	0.5532	0.8053	1.1901	1.3266	1.5044	1.7557	2.2942	3.8286	8.4567	1.0000
n=18	0.1156	0.2580	0.3507	0.4201	0.4743	0.5261	0.5749	0.8185	1.1867	1.3219	1.4859	1.7341	2.2595	3.7138	8.5507	1.0000
n=19	0.1333	0.2637	0.3630	0.4328	0.4855	0.5384	0.5845	0.8231	1.1957	1.3232	1.4883	1.7134	2.2006	3.7397	8.8580	1.0000
n=20	0.1530	0.2685	0.3662	0.4355	0.4879	0.5358	0.5838	0.8235	1.1943	1.3222	1.4891	1.7379	2.2382	3.7074	8.6338	1.0000
n=21	0.1167	0.2726	0.3757	0.4469	0.4977	0.5433	0.5922	0.8400	1.1997	1.3198	1.4606	1.7145	2.1519	3.5371	9.7435	1.0000
n=22	0.1669	0.2896	0.3789	0.4476	0.5054	0.5563	0.6042	0.8383	1.2037	1.3159	1.4611	1.7055	2.1597	3.5713	6.7091	1.0000
n=23	0.1369	0.2876	0.3841	0.4516	0.5064	0.5543	0.5990	0.8382	1.1768	1.2942	1.4564	1.6880	2.1681	3.5413	7.1935	1.0000
n=24	0.1684	0.2998	0.3975	0.4655	0.5156	0.5658	0.6120	0.8438	1.1907	1.3051	1.4594	1.6911	2.1704	3.4293	6.3705	1.0000
n=25	0.1920	0.2936	0.4000	0.4721	0.5311	0.5788	0.6235	0.8483	1.1887	1.3097	1.4529	1.6624	2.0943	3.4002	6.8880	1.0000
n=26	0.1875	0.3189	0.4213	0.4863	0.5397	0.5865	0.6288	0.8596	1.1797	1.2938	1.4371	1.6456	2.0584	3.3348	6.2788	1.0000
n=27	0.1945	0.3111	0.4148	0.4851	0.5407	0.5873	0.6301	0.8655	1.1995	1.3063	1.4501	1.6592	2.0473	3.1588	6.1140	1.0000
n=28	0.1425	0.3283	0.4361	0.5013	0.5519	0.6000	0.6425	0.8609	1.1851	1.2940	1.4459	1.6492	2.0501	3.0805	6.3023	1.0000
n=29	0.2016	0.3226	0.4257	0.4965	0.5534	0.5992	0.6444	0.8684	1.1936	1.2999	1.4431	1.6379	2.0258	3.0796	5.8706	1.0000
n=30	0.2118	0.3304	0.4321	0.5011	0.5570	0.6043	0.6459	0.8659	1.1780	1.2839	1.4213	1.6268	2.0350	3.1359	8.5914	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.4-5. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Hot Mix Asphalt (Drum Mix), PM-Condensible (Organic), Wet Scrubber/Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	1.46E-04	0.0021	0.0074	0.0146	0.0231	0.0333	0.0462	0.1646	0.5798	0.8001	1.1560	1.9000	3.6645	15.0868	131.0612	1.0000
n=2	0.0010	0.0106	0.0268	0.0457	0.0664	0.0862	0.1084	0.2858	0.7568	0.9867	1.3388	1.8858	3.4167	12.5889	67.1507	1.0000
n=3	0.0048	0.0205	0.0453	0.0737	0.0968	0.1208	0.1471	0.3550	0.8492	1.0563	1.3612	1.9294	3.6434	11.2445	43.2509	1.0000
n=4	0.0075	0.0338	0.0701	0.1040	0.1318	0.1623	0.1944	0.4129	0.9051	1.0995	1.3681	1.8363	3.3185	10.6842	56.1818	1.0000
n=5	0.0140	0.0464	0.0891	0.1254	0.1603	0.1936	0.2297	0.4650	0.9551	1.1264	1.3971	1.8836	3.3206	10.3372	34.8246	1.0000
n=6	0.0160	0.0642	0.1103	0.1517	0.1875	0.2219	0.2598	0.4985	0.9754	1.1423	1.4349	1.9336	3.4305	9.4166	25.3102	1.0000
n=7	0.0187	0.0675	0.1221	0.1671	0.2056	0.2441	0.2843	0.5178	0.9974	1.1826	1.4751	2.0092	3.4086	8.3757	22.1642	1.0000
n=8	0.0217	0.0837	0.1407	0.1887	0.2270	0.2657	0.3071	0.5474	1.0021	1.1859	1.4584	1.9965	3.2178	8.9024	24.6830	1.0000
n=9	0.0290	0.0904	0.1515	0.1993	0.2379	0.2770	0.3122	0.5551	1.0021	1.1774	1.4596	1.9936	3.2361	8.9159	23.6806	1.0000
n=10	0.0369	0.1012	0.1685	0.2186	0.2630	0.3069	0.3493	0.5850	1.0355	1.2130	1.5061	2.0726	3.1549	7.8796	18.4410	1.0000
n=11	0.0446	0.1100	0.1728	0.2266	0.2693	0.3085	0.3508	0.5954	1.0386	1.2170	1.4981	2.0784	3.1011	7.8781	19.0858	1.0000
n=12	0.0526	0.1157	0.1910	0.2420	0.2824	0.3200	0.3604	0.5961	1.0463	1.2430	1.5182	2.0654	3.0363	8.1773	14.5300	1.0000
n=13	0.0560	0.1291	0.1988	0.2526	0.2978	0.3392	0.3806	0.6138	1.0569	1.2370	1.5392	2.0174	3.0137	7.0783	13.9636	1.0000
n=14	0.0590	0.1383	0.2112	0.2673	0.3102	0.3557	0.3985	0.6366	1.0636	1.2553	1.5286	2.0135	2.9183	7.4060	13.4839	1.0000
n=15	0.0668	0.1426	0.2139	0.2689	0.3147	0.3592	0.4024	0.6396	1.0983	1.2907	1.5900	2.0121	2.8859	7.4763	11.4330	1.0000
n=16	0.0561	0.1480	0.2228	0.2811	0.3274	0.3683	0.4123	0.6446	1.0780	1.2662	1.5450	2.0162	2.8881	7.1533	16.4323	1.0000
n=17	0.0720	0.1555	0.2326	0.2926	0.3377	0.3808	0.4210	0.6512	1.1076	1.2883	1.5637	1.9954	2.8591	6.6611	14.7726	1.0000
n=18	0.0660	0.1676	0.2436	0.2976	0.3383	0.3800	0.4210	0.6554	1.0871	1.2718	1.5531	1.9868	2.8515	7.2793	13.0849	1.0000
n=19	0.0800	0.1720	0.2497	0.3063	0.3512	0.3925	0.4361	0.6627	1.1023	1.2829	1.5428	1.9556	2.7750	6.8461	13.6073	1.0000
n=20	0.0839	0.1728	0.2534	0.3154	0.3594	0.4029	0.4397	0.6620	1.1102	1.2907	1.5786	1.9662	2.8124	6.5548	10.7978	1.0000
n=21	0.0873	0.1866	0.2686	0.3227	0.3721	0.4138	0.4569	0.6845	1.1340	1.3170	1.5796	1.9583	2.7108	6.2380	9.9282	1.0000
n=22	0.0745	0.1958	0.2752	0.3346	0.3809	0.4244	0.4663	0.6947	1.1236	1.2890	1.5493	1.9074	2.6688	6.0569	12.7034	1.0000
n=23	0.1058	0.1983	0.2782	0.3346	0.3843	0.4258	0.4657	0.6910	1.1207	1.3066	1.5420	1.9086	2.7268	5.8844	11.0186	1.0000
n=24	0.0923	0.2050	0.2859	0.3427	0.3877	0.4319	0.4736	0.7009	1.1428	1.3208	1.5444	1.9108	2.7138	5.7142	9.9433	1.0000
n=25	0.0803	0.2127	0.2939	0.3511	0.3976	0.4394	0.4799	0.7062	1.1500	1.3278	1.5369	1.8928	2.6439	5.5826	10.7270	1.0000
n=26	0.1169	0.2100	0.2992	0.3591	0.4048	0.4449	0.4875	0.7119	1.1576	1.3232	1.5481	1.8957	2.6494	5.3473	8.3876	1.0000
n=27	0.1264	0.2246	0.3015	0.3582	0.4039	0.4499	0.4910	0.7176	1.1418	1.3035	1.5152	1.8595	2.6701	5.2582	10.0922	1.0000
n=28	0.1090	0.2230	0.3042	0.3640	0.4112	0.4536	0.4951	0.7224	1.1715	1.3348	1.5516	1.8753	2.6151	5.0090	9.1799	1.0000
n=29	0.1235	0.2280	0.3055	0.3679	0.4128	0.4553	0.4961	0.7160	1.1448	1.3098	1.5331	1.8872	2.7445	4.9067	9.6916	1.0000
n=30	0.1527	0.2311	0.3199	0.3786	0.4237	0.4656	0.5081	0.7376	1.1601	1.3111	1.5086	1.8335	2.6005	4.8405	9.4075	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.4-6. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Hot Mix Asphalt (Batch Mixer), PM-Condensible (Organic), Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	2.73E-05	0.0058	0.0365	0.0785	0.1285	0.1812	0.2433	0.6288	1.3495	1.5918	1.9114	2.4070	3.2313	5.3999	10.6841	1.0000
n=2	0.0041	0.0588	0.1525	0.2377	0.3082	0.3718	0.4372	0.8034	1.3625	1.5317	1.7298	2.0275	2.5101	3.5541	6.6072	1.0000
n=3	0.0033	0.1242	0.2384	0.3349	0.4111	0.4786	0.5436	0.8652	1.3093	1.4360	1.6072	1.8414	2.2201	3.1291	6.6701	1.0000
n=4	0.0325	0.1745	0.3116	0.3967	0.4741	0.5413	0.6023	0.9022	1.2884	1.3984	1.5349	1.7216	2.0046	2.7753	4.5124	1.0000
n=5	0.0823	0.2250	0.3659	0.4574	0.5295	0.5904	0.6477	0.9259	1.2625	1.3576	1.4795	1.6439	1.9187	2.4514	3.9858	1.0000
n=6	0.1087	0.2628	0.3992	0.4940	0.5638	0.6224	0.6756	0.9297	1.2573	1.3384	1.4443	1.5958	1.8290	2.3392	3.8585	1.0000
n=7	0.1511	0.3051	0.4348	0.5271	0.5898	0.6465	0.6990	0.9437	1.2344	1.3216	1.4171	1.5438	1.7609	2.2232	3.3230	1.0000
n=8	0.1431	0.3235	0.4566	0.5479	0.6101	0.6687	0.7197	0.9412	1.2292	1.3070	1.4045	1.5262	1.7068	2.1135	3.5192	1.0000
n=9	0.1839	0.3663	0.4902	0.5734	0.6321	0.6865	0.7368	0.9557	1.2164	1.2783	1.3651	1.4865	1.6718	2.0574	2.7653	1.0000
n=10	0.1395	0.3800	0.5123	0.5941	0.6554	0.7086	0.7565	0.9576	1.2037	1.2676	1.3494	1.4535	1.6269	1.9674	2.9758	1.0000
n=11	0.2074	0.3988	0.5286	0.6109	0.6688	0.7173	0.7611	0.9633	1.1980	1.2591	1.3384	1.4422	1.5949	1.9106	2.9446	1.0000
n=12	0.2151	0.4088	0.5510	0.6265	0.6812	0.7281	0.7735	0.9630	1.1879	1.2459	1.3177	1.4240	1.5724	1.9089	3.0797	1.0000
n=13	0.2433	0.4470	0.5622	0.6388	0.6904	0.7363	0.7813	0.9612	1.1823	1.2400	1.3113	1.4115	1.5704	1.8664	2.6045	1.0000
n=14	0.2231	0.4527	0.5707	0.6492	0.6986	0.7465	0.7853	0.9699	1.1782	1.2364	1.3047	1.3908	1.5352	1.8280	2.4186	1.0000
n=15	0.2642	0.4690	0.5893	0.6642	0.7164	0.7603	0.7985	0.9706	1.1728	1.2280	1.2914	1.3779	1.5120	1.7653	2.3034	1.0000
n=16	0.2852	0.4880	0.6016	0.6679	0.7209	0.7636	0.8002	0.9722	1.1676	1.2202	1.2838	1.3740	1.4938	1.7361	2.2169	1.0000
n=17	0.3093	0.4909	0.6088	0.6862	0.7342	0.7725	0.8108	0.9764	1.1612	1.2131	1.2731	1.3533	1.4799	1.7138	2.6450	1.0000
n=18	0.2604	0.5015	0.6213	0.6893	0.7361	0.7770	0.8142	0.9763	1.1588	1.2077	1.2646	1.3402	1.4544	1.7143	2.2284	1.0000
n=19	0.3355	0.5165	0.6302	0.6967	0.7433	0.7874	0.8217	0.9774	1.1550	1.2007	1.2604	1.3349	1.4434	1.6666	2.3377	1.0000
n=20	0.3255	0.5211	0.6359	0.7014	0.7513	0.7924	0.8272	0.9835	1.1482	1.1959	1.2523	1.3246	1.4333	1.6599	2.1233	1.0000
n=21	0.3527	0.5282	0.6438	0.7129	0.7587	0.7992	0.8338	0.9830	1.1489	1.1914	1.2432	1.3102	1.4075	1.6171	2.3237	1.0000
n=22	0.3279	0.5462	0.6498	0.7137	0.7595	0.7988	0.8302	0.9774	1.1463	1.1906	1.2413	1.3135	1.4317	1.6439	2.1459	1.0000
n=23	0.3413	0.5491	0.6625	0.7205	0.7647	0.8030	0.8367	0.9840	1.1408	1.1852	1.2350	1.2998	1.3995	1.5859	2.0956	1.0000
n=24	0.3755	0.5614	0.6683	0.7275	0.7706	0.8080	0.8407	0.9812	1.1387	1.1823	1.2352	1.3009	1.4051	1.5866	2.0177	1.0000
n=25	0.4194	0.5610	0.6687	0.7349	0.7799	0.8154	0.8459	0.9848	1.1354	1.1767	1.2267	1.2906	1.3809	1.5653	2.0189	1.0000
n=26	0.3681	0.5744	0.6750	0.7354	0.7818	0.8153	0.8493	0.9842	1.1322	1.1749	1.2223	1.2884	1.3837	1.5676	1.9647	1.0000
n=27	0.3505	0.5863	0.6858	0.7430	0.7857	0.8221	0.8503	0.9840	1.1307	1.1691	1.2181	1.2751	1.3675	1.5550	1.9547	1.0000
n=28	0.4080	0.5899	0.6896	0.7486	0.7869	0.8200	0.8519	0.9846	1.1294	1.1729	1.2193	1.2769	1.3654	1.5416	2.0238	1.0000
n=29	0.4247	0.5851	0.6934	0.7519	0.7928	0.8272	0.8582	0.9862	1.1251	1.1616	1.2083	1.2657	1.3551	1.5448	2.0241	1.0000
n=30	0.4006	0.5914	0.6926	0.7492	0.7918	0.8272	0.8577	0.9863	1.1277	1.1664	1.2112	1.2699	1.3531	1.5168	1.9325	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.4-7. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Hot Mix Asphalt (Drum Mix), PM-Filterable, Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0306	0.1080	0.1903	0.2548	0.3097	0.3599	0.4087	0.7157	1.2513	1.4542	1.7233	2.0354	2.7123	4.6883	14.9188	1.0000
n=2	0.0717	0.2134	0.3142	0.3890	0.4458	0.4989	0.5544	0.8272	1.2487	1.3867	1.5480	1.8140	2.2927	3.3910	7.8105	1.0000
n=3	0.1372	0.2851	0.3921	0.4672	0.5248	0.5776	0.6284	0.8749	1.2294	1.3376	1.4786	1.6739	2.0139	2.9089	6.0800	1.0000
n=4	0.1780	0.3356	0.4424	0.5154	0.5744	0.6251	0.6725	0.9034	1.2090	1.2982	1.4207	1.5944	1.8792	2.7061	4.7042	1.0000
n=5	0.1895	0.3730	0.4827	0.5543	0.6062	0.6528	0.6953	0.9120	1.2026	1.2884	1.3949	1.5473	1.8097	2.4553	5.4576	1.0000
n=6	0.2237	0.4102	0.5151	0.5893	0.6398	0.6823	0.7261	0.9279	1.1938	1.2726	1.3678	1.4953	1.7211	2.2609	4.3231	1.0000
n=7	0.2779	0.4338	0.5437	0.6081	0.6609	0.7030	0.7438	0.9344	1.1833	1.2518	1.3418	1.4652	1.6762	2.2001	3.2894	1.0000
n=8	0.2847	0.4631	0.5633	0.6321	0.6818	0.7228	0.7610	0.9434	1.1684	1.2300	1.3166	1.4354	1.6242	2.1129	3.3985	1.0000
n=9	0.3434	0.4826	0.5807	0.6438	0.6952	0.7340	0.7744	0.9478	1.1695	1.2305	1.3062	1.4050	1.5914	2.0337	2.8055	1.0000
n=10	0.3478	0.4895	0.5954	0.6555	0.7028	0.7407	0.7788	0.9517	1.1618	1.2203	1.2941	1.4008	1.5792	1.9797	3.0449	1.0000
n=11	0.3710	0.5008	0.6092	0.6732	0.7194	0.7557	0.7888	0.9568	1.1593	1.2176	1.2805	1.3766	1.5324	1.8948	3.8694	1.0000
n=12	0.3115	0.5173	0.6209	0.6827	0.7290	0.7659	0.8008	0.9557	1.1553	1.2092	1.2738	1.3673	1.5185	1.8509	3.5675	1.0000
n=13	0.3286	0.5384	0.6322	0.6918	0.7368	0.7730	0.8056	0.9662	1.1484	1.1967	1.2654	1.3540	1.5005	1.8203	2.7442	1.0000
n=14	0.3783	0.5363	0.6406	0.6997	0.7447	0.7798	0.8122	0.9632	1.1475	1.1975	1.2573	1.3432	1.4829	1.8024	2.5602	1.0000
n=15	0.4029	0.5589	0.6521	0.7090	0.7559	0.7927	0.8219	0.9636	1.1361	1.1857	1.2476	1.3383	1.4703	1.7692	2.6680	1.0000
n=16	0.3716	0.5715	0.6631	0.7204	0.7625	0.7957	0.8262	0.9666	1.1363	1.1863	1.2447	1.3207	1.4418	1.7113	2.3612	1.0000
n=17	0.4416	0.5811	0.6749	0.7302	0.7685	0.8033	0.8335	0.9711	1.1283	1.1733	1.2309	1.3045	1.4330	1.6965	2.6332	1.0000
n=18	0.4378	0.5876	0.6834	0.7387	0.7765	0.8094	0.8368	0.9722	1.1264	1.1709	1.2271	1.3041	1.4146	1.6845	2.3547	1.0000
n=19	0.4136	0.6025	0.6884	0.7412	0.7785	0.8104	0.8399	0.9712	1.1309	1.1720	1.2215	1.2907	1.3999	1.6605	2.3773	1.0000
n=20	0.4693	0.5940	0.6957	0.7486	0.7846	0.8167	0.8447	0.9743	1.1293	1.1683	1.2167	1.2817	1.3968	1.6351	2.2186	1.0000
n=21	0.4202	0.6090	0.6972	0.7505	0.7895	0.8189	0.8475	0.9728	1.1211	1.1654	1.2156	1.2836	1.3993	1.6335	2.1085	1.0000
n=22	0.4666	0.6176	0.7058	0.7559	0.7933	0.8237	0.8529	0.9761	1.1211	1.1602	1.2061	1.2754	1.3791	1.6034	2.2820	1.0000
n=23	0.4832	0.6331	0.7184	0.7629	0.7988	0.8278	0.8575	0.9782	1.1159	1.1542	1.1989	1.2637	1.3667	1.5789	2.1393	1.0000
n=24	0.4642	0.6400	0.7206	0.7691	0.8050	0.8346	0.8620	0.9807	1.1140	1.1507	1.1917	1.2571	1.3556	1.5572	2.2012	1.0000
n=25	0.5041	0.6369	0.7219	0.7685	0.8073	0.8362	0.8645	0.9806	1.1108	1.1469	1.1938	1.2543	1.3540	1.5444	2.0596	1.0000
n=26	0.4867	0.6477	0.7245	0.7745	0.8099	0.8389	0.8654	0.9779	1.1113	1.1500	1.1935	1.2513	1.3510	1.5433	1.9500	1.0000
n=27	0.5106	0.6527	0.7350	0.7805	0.8133	0.8421	0.8673	0.9775	1.1114	1.1454	1.1873	1.2455	1.3347	1.5248	2.1764	1.0000
n=28	0.5468	0.6579	0.7366	0.7846	0.8185	0.8458	0.8706	0.9799	1.1070	1.1433	1.1860	1.2426	1.3325	1.5115	1.8760	1.0000
n=29	0.5093	0.6593	0.7402	0.7888	0.8211	0.8470	0.8710	0.9823	1.1081	1.1412	1.1819	1.2321	1.3187	1.5227	1.9631	1.0000
n=30	0.4893	0.6673	0.7463	0.7892	0.8220	0.8480	0.8719	0.9815	1.1044	1.1393	1.1796	1.2318	1.3169	1.5066	1.8602	1.0000

(1) A normalized distribution is a distribution with mean 1.

Table E.4-8. Selected Percentiles of Normalized(1) Monte Carlo Sampling Distribution of the Mean by Sample Size: Hot Mix Asphalt (Batch Mixer), PM-Filterable, Fabric Filter

EF Sample Size	Minimum	1 Percentile	5 Percentile	10 Percentile	15 Percentile	20 Percentile	25 Percentile	Median	75 Percentile	80 Percentile	85 Percentile	90 Percentile	95 Percentile	99 Percentile	Maximum	Mean
n=1	0.0080	0.0405	0.0874	0.1280	0.1657	0.2067	0.2502	0.5306	1.0964	1.3309	1.6688	2.2772	3.4238	7.0826	25.0882	1.0000
n=2	0.0343	0.1067	0.1751	0.2322	0.2837	0.3281	0.3794	0.6631	1.2140	1.4202	1.6758	2.0609	2.8619	5.1040	18.0806	1.0000
n=3	0.0366	0.1505	0.2367	0.3017	0.3548	0.4092	0.4576	0.7433	1.2256	1.3866	1.5964	1.9310	2.6351	4.6041	13.2902	1.0000
n=4	0.0548	0.1848	0.2781	0.3585	0.4145	0.4655	0.5162	0.7974	1.2379	1.3810	1.5655	1.8441	2.3890	4.0849	8.8822	1.0000
n=5	0.0968	0.2207	0.3206	0.3917	0.4488	0.5028	0.5559	0.8275	1.2328	1.3599	1.5309	1.7869	2.2243	3.7166	8.2593	1.0000
n=6	0.1285	0.2522	0.3615	0.4326	0.4935	0.5474	0.5948	0.8461	1.2225	1.3463	1.5027	1.7183	2.1416	3.3512	6.8447	1.0000
n=7	0.1505	0.2790	0.3829	0.4556	0.5132	0.5637	0.6080	0.8550	1.2300	1.3398	1.4892	1.6968	2.0600	3.1634	6.3727	1.0000
n=8	0.1691	0.2964	0.3996	0.4734	0.5316	0.5869	0.6368	0.8792	1.2219	1.3218	1.4537	1.6457	1.9999	2.9223	5.7119	1.0000
n=9	0.1950	0.3226	0.4314	0.4994	0.5586	0.6069	0.6535	0.8821	1.2015	1.3030	1.4330	1.6204	1.9669	2.9517	5.1309	1.0000
n=10	0.1994	0.3397	0.4459	0.5183	0.5760	0.6229	0.6681	0.8851	1.1976	1.2886	1.4116	1.5914	1.9492	2.8181	5.3629	1.0000
n=11	0.1963	0.3551	0.4650	0.5334	0.5861	0.6341	0.6789	0.8951	1.2073	1.2945	1.3956	1.5672	1.9107	2.6590	6.1803	1.0000
n=12	0.2257	0.3751	0.4806	0.5525	0.6083	0.6535	0.6980	0.9072	1.1850	1.2691	1.3810	1.5406	1.8577	2.6568	4.6596	1.0000
n=13	0.2693	0.3979	0.4978	0.5590	0.6143	0.6616	0.7045	0.9103	1.1945	1.2768	1.3853	1.5359	1.8108	2.4662	4.0445	1.0000
n=14	0.2266	0.4049	0.5030	0.5703	0.6229	0.6684	0.7103	0.9161	1.1915	1.2681	1.3760	1.5159	1.7955	2.4397	3.7470	1.0000
n=15	0.2869	0.4220	0.5172	0.5876	0.6370	0.6837	0.7238	0.9243	1.1891	1.2657	1.3628	1.5127	1.7509	2.3235	4.2781	1.0000
n=16	0.2893	0.4278	0.5300	0.5985	0.6464	0.6885	0.7289	0.9233	1.1802	1.2541	1.3598	1.4982	1.7368	2.3154	4.0880	1.0000
n=17	0.2640	0.4319	0.5375	0.6032	0.6560	0.6970	0.7401	0.9315	1.1793	1.2555	1.3530	1.4793	1.7171	2.2426	3.9514	1.0000
n=18	0.2413	0.4396	0.5442	0.6117	0.6628	0.7059	0.7468	0.9372	1.1737	1.2470	1.3350	1.4649	1.6968	2.1916	3.4159	1.0000
n=19	0.3002	0.4519	0.5566	0.6215	0.6673	0.7103	0.7497	0.9303	1.1733	1.2434	1.3310	1.4595	1.6831	2.1948	3.6181	1.0000
n=20	0.3157	0.4642	0.5639	0.6284	0.6762	0.7176	0.7583	0.9402	1.1669	1.2323	1.3163	1.4442	1.6529	2.1141	3.5592	1.0000
n=21	0.3115	0.4696	0.5755	0.6363	0.6873	0.7280	0.7661	0.9359	1.1617	1.2287	1.3168	1.4402	1.6516	2.1367	3.2898	1.0000
n=22	0.3276	0.4799	0.5846	0.6450	0.6920	0.7318	0.7702	0.9406	1.1627	1.2306	1.3135	1.4291	1.6231	2.0654	2.8248	1.0000
n=23	0.3472	0.4815	0.5910	0.6523	0.7005	0.7427	0.7797	0.9465	1.1598	1.2269	1.3057	1.4120	1.6043	2.0166	2.9140	1.0000
n=24	0.3388	0.5033	0.5976	0.6578	0.7038	0.7452	0.7802	0.9429	1.1588	1.2206	1.2971	1.4087	1.5896	2.0128	3.1048	1.0000
n=25	0.2886	0.4969	0.5966	0.6604	0.7051	0.7443	0.7813	0.9438	1.1532	1.2122	1.2949	1.4147	1.6083	2.0266	3.1206	1.0000
n=26	0.3563	0.5181	0.6112	0.6761	0.7193	0.7558	0.7900	0.9505	1.1540	1.2146	1.2852	1.3893	1.5573	1.9390	2.8036	1.0000
n=27	0.3371	0.5086	0.6114	0.6725	0.7173	0.7553	0.7903	0.9509	1.1542	1.2116	1.2843	1.3888	1.5659	1.9249	2.9924	1.0000
n=28	0.3153	0.5245	0.6155	0.6775	0.7203	0.7574	0.7932	0.9549	1.1522	1.2101	1.2791	1.3789	1.5583	1.9096	2.7060	1.0000
n=29	0.3581	0.5268	0.6230	0.6831	0.7258	0.7631	0.7969	0.9530	1.1492	1.2054	1.2771	1.3808	1.5456	1.9047	3.0031	1.0000
n=30	0.3984	0.5330	0.6270	0.6840	0.7274	0.7641	0.7985	0.9553	1.1515	1.2048	1.2730	1.3642	1.5277	1.8686	3.0197	1.0000

(1) A normalized distribution is a distribution with mean 1.