

ERRATA

Determination of Particle Size Distribution and Chemical Composition of Particulate Matter from Selected Sources in California

Volume II (Appendices)

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*TD 890
D-474
1989
or
TD 884.5
H 600
1989
M*

California Air Resources Board
 Composite Source Profiles
 Corrected Concentrations, 9/89
 SOIL06

	Size: 30		Size: 4		Size: 10		Size: 3		Size: 2.5		Size: 2	
	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)
Al	8.2133	0.9386	6.7880	1.5163	10.8440	1.9723	14.0256	4.4562	8.9396	4.0708	13.1522	6.7998
Si	21.5177	2.4541	18.6876	3.9683	26.6796	3.5574	37.0927	12.2336	19.1014	8.9504	28.9529	15.5290
P	0.1444	0.0201	0.1001	0.0343	0.2287	0.0579	0.3090	0.2564	0.2323	0.0994	0.2989	0.1676
S	0.1035	0.0587	0.0639	0.0332	0.1752	0.0956	0.2402	0.1843	0.1754	0.1964	0.2634	0.2950
Cl	0.1707	0.0713	0.1426	0.0648	0.2234	0.0774	0.2639	0.3024	0.2693	0.2053	0.3473	0.3852
K-x	1.6491	0.2408	1.4667	0.4284	1.9641	0.3298	2.6470	0.8245	1.4063	0.5959	2.0499	1.1335
Ca	2.8635	0.3260	2.6301	0.5296	3.2693	0.4530	4.8881	1.7979	1.8983	0.9095	2.8107	1.7370
Ti	0.5063	0.1521	0.4861	0.2603	0.5283	0.2563	0.7001	1.0520	0.2383	0.4677	0.3216	1.0253
V	0.0333	0.0419	0.0335	0.0841	0.0366	0.1078	0.0427	0.4248	0.0376	0.1932	0.0361	0.4209
Cr	0.0215	0.0078	0.0163	0.0139	0.0309	0.0253	0.0516	0.1041	0.0185	0.0458	0.0265	0.1009
Mn	0.1139	0.0349	0.0987	0.0445	0.1414	0.0253	0.1701	0.0613	0.1323	0.0454	0.1650	0.0824
Fe	4.9659	1.4730	4.2501	1.7782	6.2583	1.5100	7.8148	2.4623	5.5357	2.5923	8.0267	4.2071

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 Composite Source Profiles
 Corrected Concentrations, 9/89
 SOIL08

	Size: 30		Size: 4		Size: 10		Size: 3		Size: 2.5		Size: 2	
	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)
Al	6.8811	0.7729	5.1439	1.4608	9.2146	1.0352	9.3819	1.2015	8.1046	1.1737	9.2779	1.9246
Si	17.8792	2.0092	14.4153	3.7871	22.5188	2.5294	22.9810	2.9368	19.4441	2.5772	21.5963	4.2549
P	0.2093	0.0236	0.1533	0.0448	0.2845	0.0320	0.2760	0.0370	0.3430	0.0390	0.3738	0.0664
S	0.3452	0.0525	0.2596	0.0748	0.4593	0.0751	0.4655	0.0816	0.4182	0.0477	0.4222	0.0806
Cl	0.1152	0.0130	0.0862	0.0246	0.1537	0.0173	0.1572	0.0202	0.3426	0.1858	0.1275	0.0342
K-x	1.9974	0.2425	1.7536	0.4787	2.3204	0.2606	2.3607	0.3025	0.1310	0.0149	2.0761	0.4262
Ca	3.1453	0.5902	2.7283	0.7512	3.6975	0.5251	3.6294	0.5854	2.0521	0.2526	4.2189	0.7916
Ti	0.6681	0.0987	0.6118	0.1856	0.7431	0.0836	0.7594	0.0971	0.3138	0.0502	0.6198	0.1551
V	0.0286	0.0078	0.0232	0.0153	0.0361	0.0098	0.0370	0.0113	4.1695	0.4737	0.0317	0.0324
Cr	0.0260	0.0039	0.0231	0.0074	0.0297	0.0034	0.0299	0.0039	0.6338	0.0894	0.0310	0.0061
Mn	0.0943	0.0122	0.0828	0.0212	0.1096	0.0123	0.1090	0.0142	0.0306	0.0093	0.1062	0.0245
Fe	5.4035	0.7005	4.7106	1.4067	6.3322	0.7115	6.3605	0.8243	0.0290	0.0033	6.0191	1.2737

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 Composite Source Profiles
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 SOIL09

	Size: 30		Size: 4		Size: 10		Size: 3		Size: 2.5		Size: 2	
	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)
Al	8.5453	1.0512	6.8096	2.2712	10.5698	1.1883	10.7580	1.5981	9.9484	1.1301	11.3838	1.9452
Si	22.3230	2.5670	18.4966	5.6190	26.8392	3.0173	27.3425	4.0582	25.1815	2.8604	28.1590	4.8895
P	0.1454	0.0171	0.1223	0.0395	0.1732	0.0195	0.1702	0.0262	0.1834	0.0209	0.2029	0.0358
S	0.3738	0.0755	0.2967	0.1226	0.4660	0.0676	0.4762	0.0734	0.4332	0.0513	0.5019	0.0857
Cl	0.3584	0.0479	0.3197	0.0973	0.4082	0.0459	0.3994	0.0616	0.4375	0.0498	0.4711	0.0848
K-x	2.4403	0.2746	2.2187	0.6072	2.7181	0.3057	2.7457	0.4109	2.6265	0.2983	2.7229	0.5011
Ca	2.0848	0.2345	1.9372	0.5146	2.2742	0.2560	2.3245	0.3447	2.1110	0.2399	2.2145	0.4041
Ti	0.6151	0.0691	0.5809	0.1515	0.6590	0.0742	0.6695	0.0997	0.6239	0.0709	0.6403	0.1192
V	0.0342	0.0073	0.0314	0.0164	0.0371	0.0082	0.0370	0.0110	0.0372	0.0078	0.0350	0.0139
Cr	0.0286	0.0032	0.0265	0.0070	0.0313	0.0035	0.0306	0.0047	0.0336	0.0038	0.0350	0.0066
Mn	0.1156	0.0130	0.1063	0.0286	0.1270	0.0143	0.1263	0.0192	0.1295	0.0147	0.1285	0.0248
Fe	6.0460	0.6796	5.5423	1.4911	6.6610	0.7495	6.5918	1.0058	6.8808	0.7816	6.9347	1.3049

California Air Resources Board
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 SOIL10

	Size: 30		Size: 4		Size: 10		Size: 3		Size: 2.5		Size: 2	
	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)
Al	4.5889	1.4464	2.6261	1.2709	9.6520	1.3639	9.5739	1.7301	10.0237	1.1397	11.9065	1.7932
Si	11.8553	3.0891	6.8278	3.0589	24.9250	2.7993	24.9618	3.7773	24.9847	2.8383	29.3321	4.4312
P	0.0780	0.0288	0.0420	0.0184	0.1699	0.0558	0.1556	0.0590	0.2184	0.0385	0.2569	0.0614
S	0.0884	0.0099	0.0456	0.0192	0.2035	0.0572	0.1943	0.0468	0.2407	0.1182	0.2715	0.1466
Cl	0.1877	0.1592	0.0871	0.0559	0.4708	0.4847	0.5093	0.5203	0.3295	0.3332	0.3891	0.4081
K-x	1.1394	0.3428	0.7399	0.4022	2.1965	0.2462	2.1544	0.3309	2.3425	0.2663	2.6100	0.4105
Ca	1.8593	0.2978	1.1382	0.4247	3.7852	0.7504	4.0951	0.8256	2.7301	0.3295	2.9210	0.4726
Ti	0.2705	0.1051	0.1789	0.1166	0.5134	0.0702	0.5107	0.0852	0.5248	0.0751	0.5831	0.1143
V	0.0138	0.0077	0.0075	0.0119	0.0299	0.0150	0.0288	0.0203	0.0332	0.0267	0.0385	0.0545
Cr	0.0135	0.0045	0.0082	0.0050	0.0275	0.0031	0.0258	0.0042	0.0330	0.0055	0.0352	0.0119
Mn	0.0590	0.0229	0.0383	0.0242	0.1132	0.0150	0.1056	0.0200	0.1403	0.0159	0.1421	0.0245
Fe	2.8095	1.1512	1.9304	1.2670	5.1412	0.6055	4.9613	0.7814	5.7636	0.7654	6.1260	1.2818

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 SOIL14

	Size: 30		Size: 4		Size: 10		Size: 3		Size: 2.5		Size: 2	
	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)
Al	7.4657	0.9326	4.7866	1.6195	11.6865	1.3083	16.6804	8.9927	8.3995	4.1144	9.4939	5.3679
Si	16.7105	2.0845	11.5509	3.6092	24.8707	2.7837	35.6019	18.9044	17.3174	8.3763	19.1376	10.7176
P	0.1293	0.0234	0.0820	0.0284	0.2036	0.0227	0.2815	0.1456	0.1688	0.0889	0.1942	0.1177
S	0.0408	0.0065	0.0177	0.0094	0.0771	0.0086	0.1078	0.0511	0.0542	0.0246	0.0580	0.0310
Cl	0.0656	0.0099	0.0501	0.0145	0.0910	0.0108	0.1298	0.0724	0.0648	0.0292	0.0616	0.0360
K-x	1.7348	0.2767	1.3020	0.3813	2.4603	0.2754	3.4909	1.8399	1.7466	0.7936	1.7436	0.8945
Ca	2.5943	0.4005	1.9269	0.5671	3.6737	0.4109	5.1225	2.4476	2.6777	1.2670	2.8417	1.5334
Ti	0.4947	0.0772	0.4137	0.1082	0.6339	0.0709	0.8778	0.4198	0.4714	0.2143	0.4560	0.2362
V	0.0248	0.0060	0.0182	0.0122	0.0351	0.0088	0.0469	0.0235	0.0321	0.0158	0.0315	0.0183
Cr	0.0178	0.0033	0.0138	0.0044	0.0248	0.0028	0.0335	0.0168	0.0215	0.0102	0.0214	0.0117
Mn	0.1146	0.0191	0.0782	0.0253	0.1716	0.0192	0.2352	0.1141	0.1351	0.0615	0.1341	0.0690
Fe	4.8102	0.7846	3.3926	1.0621	7.1385	0.7989	9.8016	4.9827	5.7687	2.6584	5.7122	2.9749

California Air Resources Board
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 SOIL15

	Size: 30		Size: 4		Size: 10		Size: 3		Size: 2.5		Size: 2	
	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)
Al	7.5185	0.8469	5.2819	1.5334	11.1477	1.2533	11.1832	1.4388	10.9065	1.2521	13.2489	2.1699
Si	19.8458	2.2350	13.9596	4.0377	29.4231	3.3095	29.0724	3.7913	32.0031	3.6807	38.2773	6.3556
P	0.1099	0.0124	0.0797	0.0223	0.1578	0.0177	0.1467	0.0202	0.2393	0.0434	0.2769	0.0621
S	0.0526	0.0148	0.0339	0.0198	0.0816	0.0141	0.0795	0.0178	0.0976	0.0174	0.1081	0.0319
Cl	0.0731	0.0162	0.0481	0.0161	0.1130	0.0137	0.1107	0.0158	0.1314	0.0254	0.1111	0.0352
K-x	1.7633	0.1988	1.4486	0.3551	2.2675	0.2549	2.3032	0.2933	2.0090	0.2303	2.1838	0.3518
Ca	1.7519	0.3023	1.4498	0.3582	2.2287	0.2515	2.2287	0.2892	2.2314	0.2568	2.3821	0.3807
Ti	0.4915	0.0555	0.4189	0.0987	0.6060	0.0682	0.6088	0.0785	0.5872	0.0715	0.6673	0.1763
V	0.0266	0.0065	0.0238	0.0157	0.0311	0.0193	0.0298	0.0226	0.0402	0.0468	0.0503	0.0883
Cr	0.0201	0.0026	0.0180	0.0041	0.0233	0.0028	0.0226	0.0032	0.0286	0.0051	0.0321	0.0168
Mn	0.0771	0.0123	0.0628	0.0174	0.0996	0.0112	0.0983	0.0129	0.1089	0.0125	0.1153	0.0218
Fe	4.8509	0.5873	4.0295	0.9769	6.1425	0.6904	6.1391	0.7930	6.1615	0.7062	6.6613	1.0784

California Air Resources Board
 Composite Source Profiles
 Corrected Concentrations, 9/89
 SOIL19

	Size: 30		Size: 4		Size: 10		Size: 3		Size: 2.5		Size: 2	
	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)
Al	5.3815	0.9144	3.4585	2.1072	7.8193	0.8759	7.9759	1.1586	7.3320	0.8331	8.2417	1.2039
Si	16.9227	2.8642	11.6351	6.6334	23.6137	2.6456	24.4386	3.5049	20.9081	2.3759	23.1215	3.4170
P	0.1459	0.0233	0.0969	0.0438	0.2084	0.0251	0.2044	0.0328	0.2238	0.0256	0.2416	0.0369
S	0.5648	0.0974	0.3386	0.1867	0.8529	0.0954	0.8272	0.1253	0.9528	0.1086	1.0260	0.1549
Cl	0.6305	0.1218	0.4548	0.2501	0.8525	0.0955	0.8518	0.1256	0.8595	0.0978	0.9160	0.1396
K-x	1.8099	0.3402	1.4155	0.7097	2.3062	0.2581	2.3298	0.3409	2.2347	0.2539	2.3614	0.3616
Ca	5.1184	0.9157	4.3069	1.8757	6.1348	0.6866	6.4046	0.9096	5.2243	0.5936	5.5055	0.8445
Ti	0.3507	0.0620	0.2876	0.1434	0.4296	0.0482	0.4420	0.0638	0.3874	0.0440	0.3879	0.0630
V	0.0205	0.0055	0.0167	0.0105	0.0254	0.0074	0.0250	0.0097	0.0271	0.0061	0.0248	0.0150
Cr	0.0182	0.0037	0.0171	0.0066	0.0194	0.0023	0.0183	0.0030	0.0235	0.0027	0.0241	0.0040
Mn	0.0567	0.0114	0.0459	0.0237	0.0703	0.0079	0.0713	0.0104	0.0677	0.0077	0.0690	0.0110
Fe	3.2835	0.6452	2.6680	1.3136	4.0555	0.4538	3.9966	0.5981	4.2847	0.4868	4.4512	0.6904

California Air Resources Board
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 SOIL21

	Size: 30		Size: 4		Size: 10		Size: 3		Size: 2.5		Size: 2	
	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)	Conc (%)	Uncert (%)
Al	3.9533	0.4436	2.5638	0.7031	6.8256	0.8494	6.8265	0.9276	6.8122	0.7816	8.8459	1.5750
Si	13.9852	1.5686	9.9909	2.4681	22.2085	2.4934	22.1197	3.0093	22.6262	2.5778	28.7044	5.1675
P	0.0000	0.0493	0.0000	0.0899	0.0000	0.0997	0.0000	0.1197	0.0098	0.1114	0.0155	0.2120
S	1.0457	0.2010	0.4860	0.2489	2.1518	0.5170	2.0824	0.5707	2.4943	0.3881	3.4376	0.8899
Cl	1.5219	0.3832	1.2743	0.5887	1.9925	0.2586	1.9926	0.2735	1.9812	0.2260	2.3859	0.4578
K-x	1.4582	0.2742	1.2020	0.4387	1.9619	0.2198	1.9607	0.2652	1.9665	0.2237	2.1823	0.4349
Ca	6.3123	0.8322	4.8338	1.7431	9.1572	1.4079	9.0319	1.5484	9.7571	1.1118	11.5974	2.2532
Ti	0.3321	0.0708	0.2921	0.1163	0.4066	0.0456	0.3987	0.0548	0.4474	0.0509	0.4989	0.1014
V	0.0163	0.0041	0.0138	0.0066	0.0209	0.0057	0.0206	0.0069	0.0228	0.0070	0.0233	0.0300
Cr	0.0135	0.0033	0.0116	0.0059	0.0169	0.0019	0.0164	0.0023	0.0197	0.0022	0.0230	0.0054
Mn	0.0533	0.0112	0.0458	0.0183	0.0674	0.0075	0.0675	0.0091	0.0666	0.0076	0.0694	0.0148
Fe	2.6338	0.6214	2.2936	0.9356	3.2808	0.3680	3.2526	0.4438	3.4237	0.3900	3.6523	0.7446