

Appendix A.
Raw Data

Raw data for treatment 1.

											RESULTS		
interval	sample #	site	date on	time on	date off	time off	flow (L/min)	run time	µg/ sample	ug/m3	ppb		
bg	207	4	04/07/04	1844	04/08/04	640	1.454	718	0.849	0.814	0.272		
1	218	1	04/08/04	640	04/08/04	1048	1.520	240	1.30	3.57	1.19		
1	199	2	04/08/04	648	04/08/04	1047	1.574	239	4.35	11.7	3.87		
1	200	3	04/08/04	650	04/08/04	1051	1.501	241	4.09	11.3	3.78		
1	201	4	04/08/04	652	04/08/04	1055	1.520	243	4.25	11.5	3.85		
1	202	5	04/08/04	650	04/08/04	1050	1.500	240	3.36	9.34	3.12		
1	203	6	04/08/04	652	04/08/04	1052	1.455	240	3.81	10.9	3.65		
1	205	7	04/08/04	654	04/08/04	1056	1.531	242	2.93	7.91	2.65		
1	228	8	04/08/04	652	04/08/04	1049	1.521	236	2.18	6.08	2.03		
1	222	9	04/08/04	654	04/08/04	1055	1.509	240	2.19	6.05	2.02		
1	223	10	04/08/04	656	04/08/04	1101	1.545	245	ND	ND	ND		
1	225	11	04/08/04	644	04/08/04	1055	1.553	244	1.11	2.93	0.980		
1	221	12	04/08/04	642	04/08/04	1050	1.573	240	1.33	3.52	1.179		
2	215	1	04/08/04	1049	04/08/04	1449	1.525	240	ND	ND	ND		
2	216	2	04/08/04	1048	04/08/04	1448	1.540	240	7.27	19.7	6.58		
2	217	3	04/08/04	1052	04/08/04	1452	1.546	239	8.79	23.8	7.96		
2	227	4	04/08/04	1056	04/08/04	1457	1.586	240	13.5	35.6	11.9		
2	212	5	04/08/04	1050	04/08/04	1450	1.558	240	14.9	39.9	13.3		
2	213	6	04/08/04	1052	04/08/04	1452	1.497	240	12.5	34.8	11.6		
2	214	7	04/08/04	1056	04/08/04	1456	1.540	240	6.88	18.6	6.23		
2	220	8	04/08/04	1051	04/08/04	1450	1.563	239	6.22	16.7	5.57		
2	224	9	04/08/04	1056	04/08/04	1456	1.575	240	5.62	14.9	4.97		
2	226	10	04/08/04	1103	04/08/04	1502	1.580	240	ND	ND	ND		
2	219	11	04/08/04	1059	04/08/04	1459	1.528	240	0.365	0.996	0.333		
2	211	12	04/08/04	1054	04/08/04		1.542	181	0.320	1.15	0.383		
3	145	1	04/08/04	1451	04/08/04	1848	1.459	237	ND	ND	ND		
3	154	2	04/08/04	1450	04/08/04	1847	1.503	236	2.15	6.06	2.03		
3	152	3	04/08/04	1454	04/08/04	1852	1.489	238	2.82	7.96	2.66		
3	153	4	04/08/04	1458	04/08/04	1857	1.496	239	2.63	7.36	2.46		
3	148	5	04/08/04	1450	04/08/04	1850	1.542	240	4.50	12.2	4.07		
3	147	6	04/08/04	1454	04/08/04	1853	1.473	240	2.93	8.29	2.77		
3	146	7	04/08/04	1457	04/08/04	1857	1.486	240	0.219	0.614	0.205		
3	149	8	04/08/04	1453	04/08/04	1848	1.575	234	ND	ND	ND		
3	150	9	04/08/04	1459	04/08/04	1855	1.569	235	ND	ND	ND		
3	151	10	04/08/04	1503	04/08/04	1903	1.544	239	ND	ND	ND		
3	210	11	04/08/04	1501	04/08/04	1858	1.479	237	ND	ND	ND		
3	209	12	04/08/04	1455	04/08/04	1853	1.512	238	ND	ND	ND		
4	30	1	04/08/04	1851	04/08/04	2249	1.541	237	0.822	2.25	0.753		
4	155	2	04/08/04	1850	04/08/04	2248	1.500	238	1.68	4.71	1.57		
4	27	3	04/08/04	1854	04/08/04	2251	1.497	238	3.03	8.51	2.85		
4	156	4	04/08/04	1859	04/08/04	2257	1.554	238	5.81	15.7	5.25		
4	26	5	04/08/04	1850	04/08/04	2248	1.511	238	7.47	20.8	6.95		
4	25	6	04/08/04	1854	04/08/04	2253	1.504	240	7.26	20.1	6.73		
4	24	7	04/08/04	1857	04/08/04	2258	1.481	241	3.17	8.88	2.97		
4	21	8	04/08/04	1850	04/08/04	2248	1.480	237	3.56	10.1	3.40		
4	22	9	04/08/04	1858	04/08/04	2255	1.509	236	4.26	12.0	4.00		

RESULTS

interval	sample #	site	date on	time on	date off	time off	flow (L/min)	run time	µg/ sample	ug/m3	ppb
4	23	10	04/08/04	1905	04/08/04	2302	1.512	235	2.16	6.08	2.03
4	28	11	04/08/04	1903	04/08/04	2300	1.504	237	3.05	8.56	2.86
4	29	12	04/08/04	1857	04/08/04	2254	1.532	237	2.64	7.27	2.43
5	162	1	04/08/04	2251	04/09/04	247	1.484	236	6.83	19.5	6.52
5	157	2	04/08/04	2249	04/09/04	248	1.490	238	1.72	4.85	1.62
5	158	3	04/08/04	2253	04/09/04	251	1.431	238	1.71	5.02	1.68
5	159	4	04/08/04	2258	04/09/04	256	1.503	238	3.63	10.1	3.39
5	12	5	04/08/04	2248	04/09/04	248	1.481	240	3.29	9.26	3.10
5	14	6	04/08/04	2253	04/09/04	253	1.451	240	4.73	13.6	4.55
5	13	7	04/08/04	2259	04/09/04	259	1.450	240	2.71	7.79	2.61
5	11	8	04/08/04	2250	04/09/04	251	1.457	241	3.23	9.20	3.08
5	163	9	04/08/04	2257	04/09/04	259	1.511	77	1.08	9.29	3.11
5	164	10	04/08/04	2304	04/09/04	305	1.489	241	4.22	11.8	3.93
5	160	11	04/08/04	2303	04/09/04	259	1.472	236	4.85	14.0	4.67
5	161	12	04/08/04	2256	04/09/04	252	1.499	234	2.99	8.53	2.85
6	16	1	04/09/04	250	04/09/04		1.476	24	0.256	7.23	2.42
6	8	2	04/09/04	248	04/09/04	647	1.479	239	1.35	3.82	1.28
6	9	3	04/09/04	252	04/09/04	651	1.415	238	1.25	3.71	1.24
6	10	4	04/09/04	257	04/09/04	656	1.491	239	1.64	4.60	1.54
6	1	5	04/09/04	248	04/09/04	648	1.509	240	2.53	6.99	2.34
6	2	6	04/09/04	254	04/09/04	654	1.418	240	2.04	6.00	2.0
6	3	7	04/09/04	300	04/09/04	700	1.508	240	1.74	4.81	1.61
6	4	8	04/09/04	252	04/09/04	652	1.463	239	1.70	4.86	1.63
6	5	9	04/09/04	300	04/09/04	700	1.481	241	1.38	3.87	1.29
6	6	10	04/09/04	305	04/09/04	704	1.488	241	0.430	1.10	0.401
6	15	11	04/09/04	303	04/09/04	657	1.459	234	0.987	2.89	0.967
6	17	12	04/09/04	256	04/09/04	652	1.456	236	0.837	2.44	0.815
7	18	1	04/09/04	650	04/09/04	1248	1.519	358	0.357	0.656	0.220
7	230	2	04/09/04	648	04/09/04	1249	1.528	361	0.671	1.22	0.407
7	232	3	04/09/04	652	04/09/04	1252	1.494	360	0.623	1.16	0.388
7	229	4	04/09/04	657	04/09/04	1256	1.550	359	0.826	1.48	0.496
7	7	5	04/09/04	648	04/09/04	1248	1.538	360	1.21	2.19	0.731
7	238	6	04/09/04	655	04/09/04	1255	1.571	360	1.05	1.86	0.621
7	237	7	04/09/04	700	04/09/04	1301	1.565	360	0.520	0.923	0.309
7	234	8	04/09/04	652	04/09/04	1253	1.483	360	0.503	0.942	0.315
7	235	9	04/09/04	700	04/09/04	1259	1.484	357	0.563	1.06	0.356
7	236	10	04/09/04	707	04/09/04	1304	1.528	357	ND	ND	ND
7	20	11	04/09/04	700	04/09/04	1257	1.502	358	0.473	0.880	0.294
7	19	12	04/09/04	655	04/09/04	1252	1.537	357	0.662	1.21	0.404
8	233	1	04/09/04	1250	04/09/04	1843	1.551	352	ND	ND	ND
8	106	2	04/09/04	1249	04/09/04	1846	1.519	356	0.498	0.921	0.308
8	97	3	04/09/04	1253	04/09/04	1850	1.560	357	0.683	1.23	0.410
8	98	4	04/09/04	1257	04/09/04	1856	1.524	358	0.680	1.25	0.417
8	103	5	04/09/04	1249	04/09/04	1849	1.528	360	1.05	1.91	0.638
8	102	6	04/09/04	1255	04/09/04	1854	1.503	359	0.741	1.37	0.459
8	105	7	04/09/04	1301	04/09/04	1859	1.475	358	ND	ND	ND
8	99	8	04/09/04	1253	04/09/04	1849	1.531	356	ND	ND	ND

RESULTS

interval	sample #	site	date on	time on	date off	time off	flow (L/min)	run time	µg/ sample	ug/m3	ppb
8	100	9	04/09/04	1259	04/09/04	1855	1.541	356	0.204	0.372	0.124
8	101	10	04/09/04	1304	04/09/04	1906	1.558	362	ND	ND	ND
8	212	11	04/09/04	1300	04/09/04	1855	1.523	355	ND	ND	ND
8	231	12	04/09/04	1255	04/09/04	1849	1.506	354	ND	ND	ND
9	107	1	04/09/04	1846	04/10/04	48	1.522	362	ND	ND	ND
9	109	2	04/09/04	1847	04/10/04	48	1.501	361	0.340	0.628	0.210
9	31	3	04/09/04	1851	04/10/04	52	1.444	361	0.684	1.31	0.439
9	108	4	04/09/04	1857	04/10/04	54	1.466	359	1.26	2.40	0.801
9	63	5	04/09/04	1849	04/10/04	49	1.472	360	1.89	3.57	1.19
9	62	6	04/09/04	1855	04/10/04	54	1.490	359	1.37	2.56	0.857
9	61	7	04/09/04	1900	04/10/04		1.509	290	0.293	0.670	0.224
9	64	8	04/09/04	1850	04/10/04	54	1.505	363	0.817	1.50	0.500
9	65	9	04/09/04	1856	04/10/04	101	1.540	364	0.945	1.69	0.564
9	66	10	04/09/04	1908	04/10/04	108	1.443	360	0.574	1.11	0.370
9	114	11	04/09/04	1858	04/10/04	58	1.530	360	0.872	1.58	0.530
9	113	12	04/09/04	1852	04/10/04	52	1.502	360	0.519	0.960	0.321
10	32	1	04/10/04	50	04/10/04	647	1.484	357	0.838	1.58	0.529
10	60	2	04/10/04	49	04/10/04	648	1.426	358	0.956	1.87	0.626
10	58	3	04/10/04	52	04/10/04	653	1.468	360	0.889	1.68	0.563
10	59	4	04/10/04	57	04/10/04	657	1.450	360	1.01	1.94	0.647
10	39	5	04/10/04	49	04/10/04	649	1.481	360	1.41	2.65	0.885
10	40	6	04/10/04	54	04/10/04	654	1.490	360	2.19	4.08	1.37
10	38	7	04/10/04	59	04/10/04		1.494	252	1.40	3.72	1.24
10	35	8	04/10/04	56	04/10/04	654	1.444	358	1.61	3.11	1.04
10	36	9	04/10/04	102	04/10/04	701	1.527	358	1.55	2.84	0.949
10	37	10	04/10/04	109	04/10/04		0.742	16	ND	ND	ND
10	33	11	04/10/04	101	04/10/04	658	1.457	357	1.55	2.98	0.997
10	34	12	04/10/04	55	04/10/04	652	1.452	357	1.21	2.33	0.781
11	53	1	04/10/04	649	04/10/04	1245	1.525	355	ND	ND	ND
11	56	2	04/10/04	649	04/10/04	1247	1.512	358	0.215	0.397	0.133
11	55	3	04/10/04	653	04/10/04	1250	1.506	357	0.306	0.569	0.190
11	54	4	04/10/04	658	04/10/04	1256	1.500	358	0.373	0.695	0.232
11	91	5	04/10/04	649	04/10/04	1249	1.504	360	0.504	0.931	0.311
11	93	6	04/10/04	654	04/10/04	1253	1.504	359	0.372	0.689	0.231
11	92	7	04/10/04	659	04/10/04	1259	1.514	360	0.200	0.367	0.123
11	94	8	04/10/04	655	04/10/04	1250	1.597	354	0.200	0.354	0.118
11	95	9	04/10/04	701	04/10/04	1257	1.519	355	ND	ND	ND
11	96	10	04/10/04	708	04/10/04	1303	1.532	353	ND	ND	ND
11	51	11	04/10/04	701	04/10/04	1255	1.516	354	ND	ND	ND
11	52	12	04/10/04	655	04/10/04	1249	1.503	354	ND	ND	ND
12	88	1	04/10/04	1247	04/10/04	1841	1.535	354	ND	ND	ND
12	85	2	04/10/04	1248	04/10/04	1846	1.561	358	0.201	0.360	0.120
12	87	3	04/10/04	1251	04/10/04	1850	1.514	358	0.265	0.489	0.164
12	86	4	04/10/04	1256	04/10/04	1854	1.548	358	0.300	0.541	0.181
12	42	5	04/10/04	1249	04/10/04	1848	1.555	359	0.458	0.820	0.274
12	41	6	04/10/04	1253	04/10/04	1852	1.528	359	0.301	0.549	0.184
12	43	7	04/10/04	1259	04/10/04	1858	1.557	359	ND	ND	ND

RESULTS

interval	sample #	site	date on	time on	date off	time off	flow (L/min)	run time	µg/ sample	ug/m3	ppb
12	44	8	04/10/04	1250	04/10/04	1850	1.548	360	ND	ND	ND
12	45	9	04/10/04	1257	04/10/04	1857	1.589	360	ND	ND	ND
12	56	10	04/10/04	1303	04/10/04	1903	1.554	360	ND	ND	ND
12	90	11	04/10/04	1257	04/10/04	1853	1.555	355	ND	ND	ND
12	89	12	04/10/04	1252	04/10/04	1846	1.539	354	ND	ND	ND
13	49	1	04/10/04	1843	04/11/04	47	1.476	363	ND	ND	ND
13	374	2	04/10/04	1847	04/11/04	47	1.518	361	ND	ND	ND
13	373	3	04/10/04	1850	04/11/04	51	1.495	361	ND	ND	ND
13	371	4	04/10/04	1855	04/11/04	55	1.497	361	0.409	0.757	0.253
13	375	5	04/10/04	1848	04/11/04	50	1.522	362	0.603	1.09	0.366
13	376	6	04/10/04	1852	04/11/04	52	1.492	360	0.745	1.39	0.464
13	377	7	04/10/04	1858	04/11/04	57	1.467	359	0.565	1.07	0.359
13	378	8	04/10/04	1850	04/11/04	54	1.509	363	0.711	1.30	0.434
13	379	9	04/10/04	1857	04/11/04	101	1.479	363	0.606	1.13	0.378
13	380	10	04/10/04	1903	04/11/04	108	1.498	365	0.419	0.766	0.256
13	47	11	04/10/04	1856	04/11/04		1.467	241	ND	ND	ND
13	48	12	04/10/04	1849	04/11/04	51	1.507	361	0.205	0.377	0.126
14	76	1	04/11/04	49	04/11/04	651	1.498	362	0.392	0.723	0.242
14	50	2	04/11/04	48	04/11/04	651	1.463	363	0.436	0.821	0.275
14	372	3	04/11/04	51	04/11/04	653	1.435	361	0.445	0.859	0.287
14	57	4	04/11/04	56	04/11/04	656	1.440	360	0.542	1.05	0.350
14	81	5	04/11/04	50	04/11/04	654	1.467	364	0.534	1.00	0.335
14	80	6	04/11/04	53	04/11/04	656	1.451	363	0.544	1.03	0.345
14	79	7	04/11/04	57	04/11/04	659	1.436	362	0.487	0.937	0.313
14	82	8	04/11/04	54	04/11/04	655	1.495	360	0.684	1.27	0.425
14	83	9	04/11/04	101	04/11/04	659	1.473	358	0.692	1.31	0.439
14	84	10	04/11/04	108	04/11/04	703	1.460	354	0.458	0.886	0.296
14	78	11	04/11/04	100	04/11/04	656	1.464	355	0.690	1.33	0.444
14	77	12	04/11/04	54	04/11/04	654	1.443	360	0.531	1.02	0.342

Raw data for treatment 2.

RESULTS

interval	sample #	site	date on	time on	date off	time off	flow (L/min)	run time	µg/ sample	ug/m3	ppb
bg	165	1	04/19/04	1706	04/20/04	609	1.499	441	ND	ND	ND
bg	166	4	04/19/04	1717	04/20/04	620	1.482	780	2.63	2.28	0.761
1	167	1	04/20/04	706	04/20/04	1059	1.495	233	0.959	2.75	0.921
1	69	2	04/20/04	711	04/20/04	1102	1.495	232	2.48	7.15	2.39
1	168	3	04/20/04	713	04/20/04	1108	1.516	235	2.74	7.69	2.57
1	169	4	04/20/04	716	04/20/04	1114	1.513	237	4.92	13.7	4.59
1	170	5	04/20/04	715	04/20/04	1101	1.504	227	7.13	20.9	6.99
1	171	6	04/20/04	713	04/20/04	1107	1.493	234	5.66	16.2	5.42
1	75	7	04/20/04	711	04/20/04	1112	1.521	241	4.96	13.5	4.53
1	74	8	04/20/04	713	04/20/04	1112	1.528	238	7.13	19.6	6.56
1	73	9	04/20/04	711	04/20/04	1108	1.534	237	7.22	19.9	6.64
1	72	10	04/20/04	709	04/20/04	1106	1.513	237	3.55	9.90	3.31
1	67	11	04/20/04	712	04/20/04	1112	1.567	240	5.46	14.5	4.86
1	68	12	04/20/04	709	04/20/04	1106	1.515	236	4.86	13.6	4.55
2	292	1	04/20/04	1101	04/20/04	1459	1.562	238	ND	ND	ND
2	71	2	04/20/04	1102	04/20/04	1502	1.562	240	0.397	1.06	0.354
2	284	3	04/20/04	1108	04/20/04	1508	1.564	240	0.495	1.32	0.441
2	285	4	04/20/04	1115	04/20/04	1514	1.571	240	10.1	26.8	8.96
2	297	5	04/20/04	1104	04/20/04	1502	1.524	238	13.4	37.0	12.4
2	295	6	04/20/04	1109	04/20/04	1506	1.530	237	17.9	49.4	16.5
2	296	7	04/20/04	1113	04/20/04	1511	1.583	236	18.4	49.3	16.5
2	289	8	04/20/04	1112	04/20/04	1512	1.547	239	17.0	45.0	15.4
2	288	9	04/20/04	1108	04/20/04	1507	1.572	237	17.0	45.6	15.3
2	287	10	04/20/04	1106	04/20/04	1505	1.530	238	0.992	2.73	0.911
2	290	11	04/20/04	1117	04/20/04	1515	1.580	238	1.78	4.74	1.58
2	291	12	04/20/04	1108	04/20/04	1505	1.572	236	1.32	3.56	1.19
3	130	1	04/20/04	1501	04/20/04	1857	1.527	236	ND	ND	ND
3	132	2	04/20/04	1502	04/20/04	1902	1.541	240	0.953	2.58	0.862
3	133	3	04/20/04	1508	04/20/04	1909	1.503	240	1.37	3.80	1.27
3	134	4	04/20/04	1515	04/20/04	1916	1.469	239	6.41	18.3	6.11
3	135	5	04/20/04	1503	04/20/04	1900	1.496	237	12.2	34.4	11.5
3	136	6	04/20/04	1508	04/20/04	1906	1.524	238	10.3	28.4	9.50
3	137	7	04/20/04	1513	04/20/04	1913	1.502	240	9.18	25.5	8.52
3	138	8	04/20/04	1512	04/20/04	1910	1.507	47	1.86	26.3	8.78
3	139	9	04/20/04	1507	04/20/04	1906	1.499	238	7.41	20.8	6.95
3	140	10	04/20/04	1505	04/20/04	1903	1.526	237	0.590	1.63	0.546
3	129	11	04/20/04	1517	04/20/04	1912	1.505	235	0.786	2.22	0.743
3	131	12	04/20/04	1507	04/20/04	1905	1.510	238	0.341	0.949	0.317
4	315	1	04/20/04	1901	04/20/04	2257	1.527	236	ND	ND	ND
4	317	2	04/20/04	1903	04/20/04	2302	1.469	239	1.57	4.47	1.50
4	318	3	04/20/04	1909	04/20/04	2309	1.480	239	1.79	5.06	1.69
4	269	4	04/20/04	1917	04/20/04	2316	1.470	239	2.53	7.20	2.41
4	239	5	04/20/04	1902	04/20/04	2301	1.534	238	4.79	13.1	4.39
4	241	6	04/20/04	1909	04/20/04	2106	1.524	237	2.71	7.50	2.51
4	240	7	04/20/04	1915	04/20/04	2111	1.478	235	1.06	3.05	1.02

RESULTS

interval	sample #	site	date on	time on	date off	time off	flow (L/min)	run time	µg/ sample	ug/m3	ppb
4	244	8	04/20/04	1912	04/20/04	2310	1.527	238	0.534	1.47	0.491
4	243	9	04/20/04	1908	04/20/04	2306	1.489	237	0.476	1.35	0.451
4	242	10	04/20/04	1903	04/20/04	2301	1.512	237	ND	ND	ND
4	316	11	04/20/04	1915	04/20/04	2308	1.492	233	ND	ND	ND
4	314	12	04/20/04	1908	04/20/04	2302	1.516	234	ND	ND	ND
5	275	1	04/20/04	2259	04/21/04	257	1.485	238	ND	ND	ND
5	271	2	04/20/04	2303	04/21/04	302	1.457	240	1.14	3.26	1.09
5	272	3	04/20/04	2309	04/21/04	308	1.505	239	1.17	3.25	1.09
5	273	4	04/20/04	2316	04/21/04	315	1.458	238	1.29	3.72	1.24
5	141	5	04/20/04	2303	04/21/04	302	1.472	239	1.61	4.58	1.53
5	142	6	04/20/04	2308	04/21/04	308	1.478	240	0.861	2.43	0.812
5	143	7	04/20/04	2313	04/21/04	312	1.444	240	ND	ND	ND
5	246	8	04/20/04	2310	04/21/04	309	1.520	239	ND	ND	ND
5	247	9	04/20/04	2306	04/21/04	305	1.474	239	ND	ND	ND
5	248	10	04/20/04	2302	04/21/04	301	1.515	239	ND	ND	ND
5	274	11	04/20/04	2310	04/21/04	307	1.446	237	ND	ND	ND
5	245	12	04/20/04	2304	04/21/04	302	1.474	237	ND	ND	ND
6	126	1	04/21/04	259	04/21/04	657	1.478	238	0.206	0.586	0.196
6	123	2	04/21/04	302	04/21/04	702	1.447	239	1.24	3.59	1.20
6	121	3	04/21/04	308	04/21/04	708	1.483	238	1.54	4.36	1.46
6	122	4	04/21/04	316	04/21/04	714	1.509	238	2.45	6.82	2.28
6	118	5	04/21/04	304	04/21/04	702	1.456	237	3.55	10.3	3.44
6	119	6	04/21/04	309	04/21/04	707	1.456	237	2.00	5.80	1.94
6	120	7	04/21/04	314	04/21/04	702	1.453	238	1.05	3.04	1.02
6	117	8	04/21/04	311	04/21/04	710	1.483	239	0.768	2.17	0.725
6	115	9	04/21/04	306	04/21/04	706	1.476	239	0.396	1.12	0.376
6	116	10	04/21/04	302	04/21/04	702	1.492	239	ND	ND	ND
6	124	11	04/21/04	310	04/21/04	709	1.461	239	0.393	1.13	0.377
6	125	12	04/21/04	304	04/21/04	704	1.487	239	0.367	1.03	0.345
7	338	1	04/21/04	659	04/21/04	1257	1.515	357	ND	ND	ND
7	335	2	04/21/04	702	04/21/04	1301	1.507	358	0.905	1.68	0.561
7	336	3	04/21/04	708	04/21/04	1307	1.516	359	1.03	1.89	0.633
7	337	4	04/21/04	714	04/21/04	1313	1.544	359	1.57	2.83	0.947
7	144	5	04/21/04	704	04/21/04	1302	1.502	357	2.36	4.40	1.47
7	128	6	04/21/04	709	04/21/04	1306	1.498	357	1.39	2.60	0.869
7	127	7	04/21/04	713	04/21/04	1309	1.488	356	0.534	1.01	0.337
7	329	8	04/21/04	711	04/21/04	1310	1.473	359	0.505	0.955	0.320
7	331	9	04/21/04	706	04/21/04	1305	1.501	359	0.292	0.542	0.181
7	328	10	04/21/04	702	04/21/04	1301	1.587	359	ND	ND	ND
7	340	11	04/21/04	712	04/21/04	1307	1.519	355	ND	ND	ND
7	339	12	04/21/04	706	04/21/04	1302	1.527	355	ND	ND	ND
8	333	1	04/21/04	1259	04/21/04	1856	1.526	357	ND	ND	ND
8	188	2	04/21/04	1301	04/21/04	1900	1.477	358	0.991	1.88	0.627
8	189	3	04/21/04	1307	04/21/04	1905	1.511	38	ND	ND	ND
8	190	4	04/21/04	1313	04/21/04	1912	1.494	358	1.37	2.56	0.857
8	293	5	04/21/04	1303	04/21/04	1908	1.551	355	2.12	3.85	1.29
8	104	6	04/21/04	1307	04/21/04	1904	1.492	357	1.16	2.18	0.729

RESULTS

interval	sample #	site	date on	time on	date off	time off	flow (L/min)	run time	µg/ sample	ug/m3	ppb
8	187	7	04/21/04	1310	04/21/04	1909	1.500	358	0.320	0.596	0.199
8	193	8	04/21/04	1310	04/21/04	1908	1.524	358	0.240	0.440	0.147
8	192	9	04/21/04	1306	04/21/04	1904	1.514	358	0.210	0.387	0.130
8	191	10	04/21/04	1302	04/21/04	1859	1.488	358	ND	ND	ND
8	334	11	04/21/04	1309	04/21/04	1910	1.503	361	ND	ND	ND
8	332	12	04/21/04	1303	04/21/04	1902	1.519	359	ND	ND	ND
9	389	1	04/21/04	1859	04/22/04	58	1.519	359	ND	ND	ND
9	382	2	04/21/04	1900	04/22/04	100	1.467	360	0.746	1.41	0.473
9	383	3	04/21/04	1906	04/22/04	107	1.449	360	0.678	1.30	0.435
9	384	4	04/21/04	1912	04/22/04	116	1.486	363	0.664	1.23	0.412
9	198	5	04/21/04	1901	04/22/04	102	1.433	360	0.719	1.39	0.466
9	197	6	04/21/04	1906	04/22/04	107	1.444	361	0.498	0.955	0.320
9	390	7	04/21/04	1912	04/22/04	112	1.442	361	ND	ND	ND
9	386	8	04/21/04	1909	04/22/04	109	1.494	359	ND	ND	ND
9	385	9	04/21/04	1905	04/22/04	104	1.542	359	ND	ND	ND
9	387	10	04/21/04	1900	04/22/04	100	1.454	359	ND	ND	ND
9	388	11	04/21/04	1913	04/22/04	110	1.435	357	ND	ND	ND
9	381	12	04/21/04	1905	04/22/04	105	1.518	360	ND	ND	ND
10	184	1	04/22/04	101	04/22/04		1.528	244	ND	ND	ND
10	172	2	04/22/04	100	04/22/04	703	1.448	362	0.417	0.796	0.266
10	173	3	04/22/04	107	04/22/04	709	1.508	177	0.249	0.933	0.312
10	70	4	04/22/04	116	04/22/04	714	1.464	358	0.462	0.882	0.295
10	178	5	04/22/04	104	04/22/04	704	1.465	360	0.575	1.09	0.365
10	177	6	04/22/04	110	04/22/04	708	1.438	359	0.372	0.721	0.241
10	176	7	04/22/04	115	04/22/04	714	1.480	359	ND	ND	ND
10	181	8	04/22/04	110	04/22/04	710	1.482	108	ND	ND	ND
10	180	9	04/22/04	105	04/22/04	706	1.478	361	ND	ND	ND
10	179	10	04/22/04	101	04/22/04	702	1.494	361	ND	ND	ND
10	183	11	04/22/04	112	04/22/04	714	1.524	361	ND	ND	ND
10	182	12	04/22/04	107	04/22/04	708	1.521	361	ND	ND	ND
11	260	1	04/22/04	704	04/22/04	1259	1.578	355	ND	ND	ND
11	194	2	04/22/04	703	04/22/04	1302	1.454	358	0.233	0.448	0.150
11	195	3	04/22/04	710	04/22/04	1307	1.557	351	0.268	0.490	0.164
11	196	4	04/22/04	715	04/22/04	1315	1.517	359	0.343	0.630	0.211
11	268	5	04/22/04	706	04/22/04	1302	1.538	356	0.464	0.848	0.284
11	267	6	04/22/04	710	04/22/04	1306	1.517	357	0.287	0.530	0.177
11	266	7	04/22/04	715	04/22/04	1311	1.535	356	ND	ND	ND
11	175	8	04/22/04	711	04/22/04	1310	1.571	358	ND	ND	ND
11	186	9	04/22/04	705	04/22/04	1306	1.573	359	ND	ND	ND
11	185	10	04/22/04	103	04/22/04	1302	1.531	358	ND	ND	ND
11	262	11	04/22/04	717	04/22/04		1.537	280	ND	ND	ND
11	261	12	04/22/04	711	04/22/04	1308	1.573	357	ND	ND	ND
12	279	1	04/22/04	1303	04/22/04	1858	1.452	355	ND	ND	ND
12	263	2	04/22/04	1302	04/22/04	1901	1.468	358	0.271	0.516	0.172
12	264	3	04/22/04	1307	04/22/04	1906	1.544	359	0.340	0.613	0.205
12	265	4	04/22/04	1315	04/22/04	1913	1.542	358	0.441	0.799	0.267
12	276	5	04/22/04	1303	04/22/04	1901	1.554	357	0.600	1.08	0.362

RESULTS

interval	sample #	site	date on	time on	date off	time off	flow (L/min)	run time	µg/sample	ug/m3	ppb
12	277	6	04/22/04	1308	04/22/04	1906	1.539	357	0.395	0.719	0.241
12	278	7	04/22/04	1312	04/22/04	1910	1.554	357	ND	ND	ND
12	298	8	04/22/04	1312	04/22/04	1911	1.515	359	ND	ND	ND
12	283	9	04/22/04	1307	04/22/04	1906	1.515	359	ND	ND	ND
12	282	10	04/22/04	1302	04/22/04	1901	1.506	359	ND	ND	ND
12	280	11	04/22/04	1317	04/22/04	1912	1.526	354	ND	ND	ND
12	281	12	04/22/04	1310	04/22/04	1903	1.522	353	ND	ND	ND
13	302	1	04/22/04	1900	04/23/04	57	1.516	356	ND	ND	ND
13	305	2	04/22/04	1901	04/23/04	101	1.486	359	0.385	0.722	0.241
13	306	3	04/22/04	1907	04/23/04	106	1.494	359	0.426	0.795	0.266
13	307	4	04/22/04	1913	04/23/04	112	1.486	358	0.449	0.844	0.282
13	310	5	04/22/04	1902	04/23/04	101	1.519	358	0.551	1.01	0.339
13	309	6	04/22/04	1907	04/23/04	105	1.475	358	0.321	0.608	0.203
13	308	7	04/22/04	1912	04/23/04	110	1.509	357	ND	ND	ND
13	300	8	04/22/04	1912	04/23/04	111	1.450	359	ND	ND	ND
13	301	9	04/22/04	1907	04/23/04	106	1.461	359	ND	ND	ND
13	299	10	04/22/04	1902	04/23/04	101	1.498	359	ND	ND	ND
13	303	11	04/22/04	1914	04/23/04	106	1.493	353	0.219	0.416	0.139
13	304	12	04/22/04	1909	04/23/04	101	1.496	352	0.233	0.443	0.148
14	255	1	04/23/04	58	04/23/04	701	1.494	363	0.963	1.78	0.594
14	311	2	04/23/04	101	04/23/04	703	1.468	362	1.24	2.33	0.780
14	312	3	04/23/04	106	04/23/04	708	1.467	361	0.968	1.83	0.612
14	313	4	04/23/04	112	04/23/04	711	1.467	358	1.18	2.25	0.751
14	249	5	04/23/04	102	04/23/04	705	1.493	363	0.630	1.16	0.389
14	250	6	04/23/04	106	04/23/04	708	1.464	103	ND	ND	ND
14	251	7	04/23/04	112	04/23/04	710	1.468	359	0.230	0.436	0.146
14	258	8	04/23/04	111	04/23/04	710	1.509	359	0.263	0.485	0.162
14	257	9	04/23/04	106	04/23/04	706	1.484	360	0.227	0.425	0.142
14	256	10	04/23/04	102	04/23/04	703	1.479	361	ND	ND	ND
14	254	11	04/23/04	108	04/23/04	708	1.499	360	0.921	1.71	0.571
14	253	12	04/23/04	103	04/23/04	705	1.510	361	1.23	2.27	0.755

Flow rate is the average of the flows recorded at beginning and end of the sampling interval. For samples where only one flow rate was recorded, the one flow rate recorded was used in the calculations.

Raw samples were converted from µg/sample to µg/m³ and ppb using the following calculations:

$$\frac{\text{sample results } (\mu\text{g}) \times 1000\text{L/m}^3}{\text{flow rate of sampler (L/min)} \times \text{run time (min)}} = \mu\text{g/m}^3$$

$$\mu\text{g/m}^3 \div 73.1 \text{ (molecular weight of MITC)} \div 40.7 \text{ (moles /m}^3 \text{ air)} \times 1000 = \text{ppb}$$

Appendix B.
Continuing Quality Control
Blind Spikes

Continuing quality control for the first treatment (5890 GC-NPD)

Date Extracted	Sample #'s	Spike Level µg	Spike Result µg	% Recovery	Control Limit
04/09/04	203,202,205,223,199,200,201,(206)	50.0	41.5	83.0	ok
04/09/04	221,225,228,222,212,213,214,220,226,211	50.0	40.4	80.8	ok
04/09/04	215,219,224,227,217,216	50.0	40.1	80.2	ok
04/12/04	64,66,65,107,113,114,61,63,62,108	50.0	40.0	80.0	ok
04/12/04	31,109,(112),93,91,96,92,94,95,56	50.0	35.0	70.0	LWL
04/14/04	87,41,43,42,45,44,46,81,79,80	50.0	44.5	89.0	ok
04/14/04	55,54,51,52,53,58,89,90,86,85	50.0	41.4	82.8	ok
04/15/04	77,76,78,57,372,50,82,84,83,371	50.0	40.4	80.8	ok
04/16/04	380,379,378,375,376,377,373,374,47,49	50.0	40.8	81.6	ok
04/16/04	39,38,40,21,22,24,16,25,155,27	50.0	43.2	86.4	ok
04/16/04	48,37,35,36,33,34,32,59,58,60	50.0	39.0	78.0	ok
04/19/04	156,3,28,30,29,11,163,164,159,162	50.0	44.6	89.2	ok
04/19/04	158,161,157,12,160,13,14,16,15,17	50.0	44.1	88.2	ok
04/19/04	4,5,6,3,8,2,9,10,1,237	50.0	43.1	86.2	ok
04/20/04	19,238,18,7,236,20,235,234,229,232	50.0	45.1	90.2	ok
04/20/04	230,111,105,102,103,97,106,98,101,100	50.0	43.7	87.4	ok
04/21/04	210,153,152,154,146,147,	50.0	45.4	90.8	ok
04/21/04	99,110,233,231,151,148,149,150,145,209	50.0	43.3	86.6	ok
Average Percent recovery				84.0	
Standard Deviation				5.28	

Mitc Control Limits

Upper Control Limit	97.2
Upper Warning Limit	92.1
Lower Warning Limit	72.0
Lower Control Limit	66.9

Blind spike results for first treatment

Date Extracted	Sample #'s	Spike Level	Spike Result	% Recovery	Control Limit	Comment
4/9/2004	206	12.0	9.10	75.8	ok	field spike
4/12/2004	112	12.0	9.22	76.8	ok	trip spike
Average Percent recovery				76.3	ok	
Standard Deviation				0.7		

Continuing quality control for the second treatment (Varian 3800 GC-TSD)

Date Extracted	Sample #'s	Spike Level ug	Spike Result ug	% Recovery	Control Limit
04/22/04	69,67,68,167,165,(341),166,73,72,74	5.00	4.49	89.8	ok
04/23/04	104,187,188,190,191,293,332,333,334	5.00	4.67	93.4	ok
04/23/04	175,185,186,194,195,196,260,261,262,266	5.00	4.97	99.4	ok
04/26/04	263,2694,265,276,277,278,279,280,281,282	5.00	4.67	93.4	ok
04/26/04	183,184,197,198,267,268,283,298,312,313	5.00	4.96	99.2	ok
04/26/04	299,300,301,302,303,304,305,306,307,308	5.00	4.51	90.2	ok
04/28/04	249,250,251,256,253,254,255,257,258,311	5.00	4.65	93.0	ok
04/29/04	75,168,169,170,171,289,290,139,140,270	5.00	4.61	92.2	ok
04/29/04	129,130,131,132,133,134,135,136,137,138	5.00	4.29	85.8	ok
04/30/04	127,128,144,328,329,331,335,336,337,338	5.00	4.48	89.6	ok
04/30/04	125,126,274,275,317,318, 339,340,192,193	5.00	4.27	85.4	ok
04/30/04	71,284,285,287,288,291,292,295,296,297	5.00	4.35	87.0	ok
05/04/04	141,142,143,245,246,247,248,271,272,273	5.00	4.30	86.0	ok
05/04/04	381,382,383,384,385,386,387,388,389,390	5.00	4.72	94.4	ok
05/06/04	70,172,173,176,177,178,179,180,181,182	5.00	4.89	97.8	ok
05/06/04	239,240,241,242,243,244,269,314,315,316	5.00	5.22	104	ok
05/07/04	115,116,117,118,119,120, 121,122,123,124	5.00	5.21	104	ok
05/07/04	309,310,(342)	5.00	4.92	98.4	ok
Average Percent recovery				93.5	
Standard Deviation				5.99	

Mitc Control Limits

Upper Control Limit	119
Upper Warning Limit	111
Lower Warning Limit	78.9
Lower Control Limit	70.9

Blind spike results for second treatment.

Date Extracted	Sample #'s	Spike Level	Spike Result	% Recovery	Control Limit	Comment
4/22/2004	341	12.0	11.2	93.3	ok	field spike
5/7/2004	342	12.0	10.0	83.4	ok	trip spike
Average Percent recovery				88.4	ok	
Standard Deviation				7.0		

Appendix C.
Met data
ISCST3 control files

Treatment one Met data.

99999	4	99999	4				
4 4 8 6	211.0726	1.4911	282.0 6	300.0	300.0		
4 4 8 7	216.7120	1.1257	285.4 5	300.0	300.0		
4 4 8 8	171.3419	1.3791	288.3 4	300.0	300.0		
4 4 8 9	112.2496	1.1230	291.8 3	300.0	300.0		
4 4 8 10	133.0750	1.7785	293.5 2	300.0	300.0		
4 4 8 11	112.1176	2.4307	294.8 2	300.0	300.0		
4 4 8 12	127.4585	3.1189	295.8 2	300.0	300.0		
4 4 8 13	146.3917	3.4206	296.5 2	300.0	300.0		
4 4 8 14	167.3371	4.0285	297.1 3	300.0	300.0		
4 4 8 15	160.8883	4.6829	297.6 3	300.0	300.0		
4 4 8 16	159.7854	4.2709	297.9 3	300.0	300.0		
4 4 8 17	158.3382	3.5474	297.8 4	300.0	300.0		
4 4 8 18	152.0698	2.0694	295.6 5	300.0	300.0		
4 4 8 19	139.9602	2.0455	292.8 6	300.0	300.0		
4 4 8 20	165.6032	1.2633	290.6 6	300.0	300.0		
4 4 8 21	35.7178	1.0936	288.7 6	300.0	300.0		
4 4 8 22	100.9262	1.0733	287.7 6	300.0	300.0		
4 4 8 23	159.9137	1.5414	287.6 6	300.0	300.0		
4 4 8 24	186.8251	1.0017	286.7 6	300.0	300.0		
4 4 9 1	70.9111	0.7784	285.7 6	300.0	300.0		
4 4 9 2	137.0290	1.4082	284.7 6	300.0	300.0		
4 4 9 3	113.5177	2.0208	283.7 6	300.0	300.0		
4 4 9 4	120.2944	1.4659	282.8 6	300.0	300.0		
4 4 9 5	183.5167	1.1644	282.8 6	300.0	300.0		
4 4 9 6	198.8228	0.7430	283.7 6	300.0	300.0		
4 4 9 7	154.9296	1.3574	286.4 5	300.0	300.0		
4 4 9 8	174.9340	2.3982	289.1 4	300.0	300.0		
4 4 9 9	154.1675	2.8675	291.7 3	300.0	300.0		
4 4 9 10	159.3381	3.1348	293.2 2	300.0	300.0		
4 4 9 11	154.2789	2.9223	294.8 2	300.0	300.0		
4 4 9 12	167.4649	2.8378	296.5 2	300.0	300.0		
4 4 9 13	164.8544	2.8375	298.0 2	300.0	300.0		
4 4 9 14	161.0109	3.4903	298.8 2	300.0	300.0		
4 4 9 15	163.8951	3.5858	299.5 2	300.0	300.0		
4 4 9 16	172.8180	3.5794	299.6 2	300.0	300.0		
4 4 9 17	166.1225	2.8315	298.9 3	300.0	300.0		
4 4 9 18	163.0459	2.0269	296.4 4	300.0	300.0		
4 4 9 19	160.3125	1.9848	294.0 5	300.0	300.0		
4 4 9 20	154.7912	2.4265	292.9 6	300.0	300.0		
4 4 9 21	159.9083	2.1123	291.6 6	300.0	300.0		
4 4 9 22	164.6740	0.9406	290.2 6	300.0	300.0		
4 4 9 23	355.0119	0.9203	288.5 6	300.0	300.0		
4 4 9 24	57.6964	1.0443	287.2 6	300.0	300.0		
4 4 10 1	46.8910	0.7325	286.3 6	300.0	300.0		

4 410 2	74.7572	1.4690	286.1	6	300.0	300.0
4 410 3	100.8172	1.7012	285.3	6	300.0	300.0
4 410 4	153.4217	1.1619	283.8	6	300.0	300.0
4 410 5	164.4870	1.7245	283.6	6	300.0	300.0
4 410 6	162.1668	1.4359	284.0	6	300.0	300.0
4 410 7	145.3898	1.6519	286.7	5	300.0	300.0
4 410 8	152.9262	2.9439	289.9	4	300.0	300.0
4 410 9	142.2079	3.2191	292.8	3	300.0	300.0
4 41010	159.3803	3.0463	294.7	2	300.0	300.0
4 41011	165.9652	3.4680	296.1	2	300.0	300.0
4 41012	160.3529	3.1615	297.9	2	300.0	300.0
4 41013	164.1008	4.3632	299.2	3	300.0	300.0
4 41014	165.5609	4.2834	300.3	3	300.0	300.0
4 41015	163.1667	4.5455	300.9	3	300.0	300.0
4 41016	162.8466	4.4329	301.0	3	300.0	300.0
4 41017	162.9699	2.3670	300.3	4	300.0	300.0
4 41018	146.3595	1.6062	297.7	5	300.0	300.0
4 41019	129.7194	2.7659	295.5	6	300.0	300.0
4 41020	121.6907	2.5869	293.7	6	300.0	300.0
4 41021	126.7989	2.2183	292.2	6	300.0	300.0
4 41022	321.2560	1.8556	289.4	6	300.0	300.0
4 41023	320.1211	1.3789	287.9	6	300.0	300.0
4 41024	158.2627	1.8628	287.4	6	300.0	300.0
4 411 1	302.5431	1.6271	286.2	6	300.0	300.0
4 411 2	86.7966	1.3803	284.8	6	300.0	300.0
4 411 3	145.3285	1.3342	283.9	6	300.0	300.0
4 411 4	142.8822	1.4238	283.0	6	300.0	300.0
4 411 5	135.6041	0.9389	281.7	6	300.0	300.0

Treatment two Met data.

	99999	4	99999	4		
04 420 7	304.6429	0.9775	286.6	6	300.0	300.0
04 420 8	203.6997	1.3709	287.9	5	300.0	300.0
04 420 9	86.2248	1.9749	287.7	4	300.0	300.0
04 42010	351.3411	2.5206	287.8	3	300.0	300.0
04 42011	6.9556	2.2588	290.7	3	300.0	300.0
04 42012	50.4808	3.4551	291.4	3	300.0	300.0
04 42013	53.0093	3.0254	292.1	3	300.0	300.0
04 42014	66.4607	2.8755	293.0	3	300.0	300.0
04 42015	85.3028	2.6011	293.4	3	300.0	300.0
04 42016	76.4242	2.7304	293.5	3	300.0	300.0
04 42017	25.8870	1.4893	293.5	3	300.0	300.0
04 42018	89.2531	2.1267	292.8	4	300.0	300.0
04 42019	103.7642	3.0688	290.8	4	300.0	300.0
04 42020	158.8085	4.3105	289.6	4	300.0	300.0
04 42021	148.9181	2.9783	288.0	5	300.0	300.0
04 42022	142.9410	3.3828	287.1	4	300.0	300.0
04 42023	158.4550	3.7161	286.0	4	300.0	300.0
04 42024	165.4291	3.6406	285.2	4	300.0	300.0
04 421 1	175.6751	3.7369	284.8	4	300.0	300.0
04 421 2	165.5508	3.2771	284.8	4	300.0	300.0
04 421 3	165.8064	2.9666	284.6	5	300.0	300.0
04 421 4	159.5325	1.9197	283.3	6	300.0	300.0
04 421 5	127.3904	1.7196	282.6	6	300.0	300.0
04 421 6	113.4567	2.0396	282.0	6	300.0	300.0
04 421 7	118.0805	2.4955	283.7	6	300.0	300.0
04 421 8	145.4130	3.3008	285.6	5	300.0	300.0
04 421 9	150.0618	3.6683	287.1	4	300.0	300.0
04 42110	147.1702	4.0503	288.8	3	300.0	300.0
04 42111	151.1745	4.1495	290.8	2	300.0	300.0
04 42112	140.5951	3.7400	292.3	2	300.0	300.0
04 42113	152.6232	3.7847	293.3	2	300.0	300.0
04 42114	136.7506	3.4162	294.0	2	300.0	300.0
04 42115	143.2285	3.4703	294.4	2	300.0	300.0
04 42116	163.0203	4.6674	294.2	3	300.0	300.0
04 42117	168.3672	5.1102	293.5	3	300.0	300.0
04 42118	177.4359	6.6960	291.7	4	300.0	300.0
04 42119	173.2825	5.9040	288.4	4	300.0	300.0
04 42120	161.3380	4.2481	286.6	5	300.0	300.0
04 42121	160.8711	2.8055	285.0	6	300.0	300.0
04 42122	176.2470	2.5948	283.5	6	300.0	300.0
04 42123	180.8852	4.3178	283.6	5	300.0	300.0
04 42124	171.4423	4.0545	283.2	5	300.0	300.0
04 422 1	165.7170	3.2861	282.7	5	300.0	300.0
04 422 2	151.3051	2.6177	281.4	6	300.0	300.0

04 422 3	144.8209	3.2804	281.1	5	300.0	300.0
04 422 4	161.2961	3.6532	281.1	5	300.0	300.0
04 422 5	143.3796	6.0320	282.4	4	300.0	300.0
04 422 6	146.4774	5.5990	282.1	4	300.0	300.0
04 422 7	144.4980	5.6438	282.4	4	300.0	300.0
04 422 8	139.0762	6.9678	283.8	4	300.0	300.0
04 422 9	140.6915	8.4044	286.0	4	300.0	300.0
04 42210	151.9055	7.8950	288.4	4	300.0	300.0
04 42211	155.2977	8.3764	290.5	4	300.0	300.0
04 42212	152.6484	7.8577	292.3	3	300.0	300.0
04 42213	144.0983	7.4278	293.6	3	300.0	300.0
04 42214	158.5452	7.3977	294.8	3	300.0	300.0
04 42215	157.2948	6.7439	295.6	4	300.0	300.0
04 42216	143.1021	6.0986	296.3	4	300.0	300.0
04 42217	140.6414	5.8049	296.5	4	300.0	300.0
04 42218	128.1252	5.4154	295.8	4	300.0	300.0
04 42219	121.6460	4.8782	294.1	5	300.0	300.0
04 42220	127.8115	5.4136	292.6	4	300.0	300.0
04 42221	125.4800	4.8897	291.6	5	300.0	300.0
04 42222	136.7954	4.6507	291.2	5	300.0	300.0
04 42223	147.3952	3.2986	290.0	5	300.0	300.0
04 42224	163.5531	2.3220	288.3	6	300.0	300.0
04 423 1	225.6432	1.7974	285.8	6	300.0	300.0
04 423 2	238.8410	1.2697	284.1	6	300.0	300.0
04 423 3	203.1227	1.6586	282.7	6	300.0	300.0
04 423 4	194.4296	0.9869	281.8	6	300.0	300.0
04 423 5	227.5593	1.8180	281.4	6	300.0	300.0
04 423 6	257.6962	2.2150	283.1	6	300.0	300.0

Example of ISCST3 control file for treatment one.

```
CO STARTING
CO TITLEONE MITC - weimer 04/08/04 per1
CO MODELOPT CONC RURAL NOSTD NOBID NOCALM
CO AVERTIME PERIOD
CO POLLUTID OTHER
CO DCAYCOEF .000000
CO FLAGPOLE 1.2
CO RUNORNOT RUN
CO ERRORFIL ERRORS.OUT
CO FINISHED
SO STARTING
SO LOCATION APP01 AREAPOLY 0.0 0.0 .0000
SO SRCPARAM APP01 0.00010 0.00 6
SO AREAVERT APP01 0.0 0.0 122.2 -8.6 123.8 37.2 165.8 34.4 171.2 188.9 9.1 271.5
SO EMISUNIT .100000E+07 (GRAMS/SEC) (MICROGRAMS/CUBIC-METER)
SO SRCGROUP ALL
SO FINISHED
RE STARTING
RE DISCCART -5.1 -5.7 1.2
RE DISCCART 39.9 -7.4 1.2
RE DISCCART 80.9 -10.4 1.2
RE DISCCART 127.7 32.3 1.2
RE DISCCART 174.1 86.3 1.2
RE DISCCART 175.6 137.5 1.2
RE DISCCART 176.4 191.6 1.2
RE DISCCART 119.7 220.7 1.2
RE DISCCART 67.2 248.5 1.2
RE DISCCART 0.4 273.2 1.2
RE DISCCART -1.3 186.7 1.2
RE DISCCART -4.2 94.4 1.2
RE FINISHED
ME STARTING
ME INPUTFIL wei1_1.met (4I2,2F9.4,F6.1,I2,2F7.1)
ME ANEMHIGHT 10.000 METERS
ME SURFDATA 99999 2004 SURFNAME
ME UAIRDATA 99999 2004 UAIRNAME
ME WINDCATS 1.54 3.09 5.14 8.23 10.80
ME FINISHED
OU STARTING
OU PLOTFILE PERIOD ALL wei1_1.PLT
OU FINISHED
```

Example of ISCST3 control file for treatment two.

```
CO STARTING
CO TITLEONE MITC - weimer2 04/20/04 per1
CO MODELOPT CONC RURAL NOSTD NOBID NOCALM
CO AVERTIME PERIOD
CO POLLUTID OTHER
CO DCAYCOEF .000000
CO FLAGPOLE 1.2
CO RUNORNOT RUN
CO ERRORFIL ERRORS.OUT
CO FINISHED
SO STARTING
SO LOCATION APP01 AREAPOLY 0.0 0.0 .0000
SO SRCPARAM APP01 0.00010 0.00 6
SO AREAVERT APP01 0.0 0.0 122.2 -8.6 123.8 37.2 165.8 34.4 171.2 188.9 9.1 271.5
SO EMISUNIT .100000E+07 (GRAMS/SEC) (MICROGRAMS/CUBIC-METER)
SO SRCGROUP ALL
SO FINISHED
RE STARTING
RE DISCCART -5.1 -5.7 1.2
RE DISCCART 39.8 -7.4 1.2
RE DISCCART 80.8 -10.4 1.2
RE DISCCART 127.7 32.3 1.2
RE DISCCART 173.4 86.3 1.2
RE DISCCART 174.9 137.5 1.2
RE DISCCART 176.5 191.6 1.2
RE DISCCART 119.7 220.7 1.2
RE DISCCART 67.2 248.5 1.2
RE DISCCART -0.3 273.2 1.2
RE DISCCART -2.0 186.7 1.2
RE DISCCART -4.9 94.4 1.2
RE FINISHED
ME STARTING
ME INPUTFIL wei2_1.met (4I2,2F9.4,F6.1,I2,2F7.1)
ME ANEMHIGHT 10.000 METERS
ME SURFDATA 99999 2004 SURFNAME
ME UAIRDATA 99999 2004 UAIRNAME
ME WINDCATS 1.54 3.09 5.14 8.23 10.80
ME FINISHED
OU STARTING
OU PLOTFILE PERIOD ALL wei2_1.PLT
OU FINISHED
```