

Table S1. Concentrations of benzene in ppb, nd=not detectable

s/n	Sample id	Nov 03	May 04	Nov 04	May 05	Nov 05	
1	1	0.680	nd	0.605	nd	0.450	
2	3	2.960	nd	2.629	nd	1.960	
3	8	10.996	0.850	9.978	1.010	7.300	
4	12	29.003	13.899	24.301	9.989	20.009	
5	15	nd	nd	nd	nd	0.320	
6	16	0.530	nd	0.510	nd	1.690	
7	20			2.460	0.478	0.345	
8	22	Oily sample -not characterized					
9	23/24	nd	nd	nd	nd	nd	
11	27			3.080	0.544	2.074	
12	29	0.750	nd	0.950	nd	0.300	
13	32			1.180	nd	0.560	
14	37			4.519	0.985	2.411	
15	38	nd	nd	nd	nd	nd	
16	44	2.163	0.194	1.950	0.155	0.888	
17	45	0.250	nd	0.911	nd	0.602	
18	46			2.415	0.452	1.611	
19	47	0.470	nd	0.430	nd	0.640	
20	54	18.021	0.597	9.500	1.780	7.209	
21	55	2.700	0.561	2.781	nd	1.300	
22	58			1.999	0.236	1.030	
23	61	0.116	nd	0.099	nd	0.251	
24	62	nd	0.235	0.155	nd	0.410	
25	63	1.600	nd	1.249	nd	0.099	
26	66			0.350	nd	0.140	
27	67	0.300	0.204	0.208			
28	72	0.201	0.205	0.175	0.180	nd	
29	86/88	0.102	nd	0.105	nd	0.593	
30	95	0.545	nd				
31	98	1.600	0.170	1.480	nd	0.651	
32	100	0.140	nd	nd	nd	nd	
33	102	0.850	nd	nd	0.150	nd	
34	104			0.458	nd	0.325	
35	106	0.900	0.042	0.780	nd	0.551	
36	134			0.879	nd	nd	
37	136	1.020	0.320	0.891	0.105	0.400	
38	142	nd	nd	nd	nd	0.350	
39	152	nd	nd	nd			
40	169	nd	nd	nd	nd	nd	
41	187	nd	nd	nd	nd	0.324	
42	1000	0.780	nd	0.810	nd	1.248	
43	2000	0.985	0.120	0.950	nd	0.444	
44	3000	5.200	nd	3.189	0.562	3.420	
45	5000	1.850	nd	1.650	nd	0.710	
46	4000	0.120	nd				
47	(Petrola) ¹ 10300			5.670	5.160		

48	(Petrola) 10400			2.770	1.455	
49	(Pyrkal) 10500			57.189	15.796	
50	(Pyrkal) 10600			0.525	0.411	
Total number of samples determined		34	34	45	45	40

¹Refinery of Eleusis.

Table S2. Concentrations of toluene in ppb (nd= not detectable).

s/n	Sample id	Nov03	May04	Nov04	May05	Nov05
1	1	nd	nd	0.357	nd	0.272
2	3	0.450	nd	0.630	nd	0.411
3	8	1.500	0.580	1.951	0.488	1.621
4	12	9.995	4.010	7.250	0.960	5.035
5	15					0.460
6	16	0.200		0.490	nd	1.238
7	20			3.950	0.459	0.540
8	22	Oily sample - not characterized				
9	23/24	nd	nd	0.120	nd	0.128
11	27			0.620	nd	nd
12	29	6.295	1.099	1.310	1.590	1.640
13	32			1.180	nd	nd
14	37			1.980	nd	0.996
15	38	nd	nd	nd	nd	nd
16	44	1.319	nd	1.450	nd	0.280
17	45	0.896	nd	1.540	nd	0.630
18	46			2.600	0.895	1.111
19	47	nd	nd	1.985	nd	1.080
20	54	3.125	0.551	4.665	0.623	1.820
21	55	0.560	0.452	4.960	nd	5.050
22	58			3.920	0.466	0.580
23	61	nd	nd	1.340	nd	0.131
24	62	nd	nd	nd	nd	nd
25	63	0.250	nd	0.875	nd	0.380
26	66			1.875	nd	0.452
27	67	nd	nd	nd		
28	72	nd	nd	nd	nd	nd
29	86/88	nd	nd	nd	nd	nd
30	95	nd	nd			
31	98	1.100	nd	1.056	nd	1.500
32	100	nd	nd	nd	nd	nd
33	102	nd	nd	nd	nd	nd
34	104			nd	nd	nd
35	106	0.298	nd	0.450	nd	0.115
36	134			nd	nd	nd
37	136	0.246	nd	0.991	nd	0.600
38	142	nd	nd	nd	nd	190
39	152	nd	nd	nd		
40	169	nd	nd	nd	nd	nd
41	187	nd	nd	nd	nd	nd
42	1000	0.548	nd	0.870	nd	1.000

43	2000	nd	nd	nd	nd	nd
44	3000	0.491	nd	0.290	nd	0.190
45	5000	nd	nd	0.650	nd	0.500
46	4000	nd	nd			
47	(Petrola) ¹ 10300			7.099	0.896	
48	(Petrola) 10400			4.203	1.100	
49	(Pyrkal) 10500			45.870	44.562	
50	(Pyrkal) 10600			1.999	1.005	
Total number of samples determined		34	34	45	45	40

¹Refinery of Eleusis

Table S3. Concentrations of ethylbenzene in ppb (nd=not detectable).

s/n	Sampling id	Nov03	May04	Nov04	May05	Nov05
1	1	0.410	nd	0.450	nd	0.280
2	3	10.990	3.720	9.320	2.110	8.980
3	8	32.000	4.130	28.480	1.000	20.990
4	12	31.200	7.350	29.010	11.120	28.960
5	15				0.240	2.920
6	16	1.450	nd	1.560	0.110	3.050
7	20			4.120	0.280	3.330
8	22	Oily sample -not characterized				
9	23/24	0.320	nd	0.150	nd	nd
11	27			4.410	0.680	1.290
12	29	0.250	nd	3.270	nd	0.390
13	32			0.750	nd	nd
14	37			1.280	nd	0.390
15	38	0.100	nd	0.150	nd	nd
16	44	0.130	nd	0.4500	nd	0.290
17	45	1.100	nd	1.710	nd	0.450
18	46			3.310	0.750	1.050
19	47	0.930	nd	0.590	nd	0.980
20	54	5.200	0.64	3.580	0.840	0.110
21	55	2.090	nd	1.4500	nd	6.110
22	58			3.990	0.750	2.880
23	61	0.190	nd	0.360	nd	0.290
24	62	0.170	nd	0.200	nd	0.310
25	63	0.130	nd	0.150	nd	0.200
26	66			0.630	nd	0.300
27	67	0.110	0.120	nd		
28	72	0.420	nd	0.340	nd	0.350
29	86/88	0.210	nd	0.110	nd	0.280
30	95	0.120	nd			
31	98	0.270	0.310	3.370	nd	3.210
32	100	0.320	nd	nd	nd	0.100
33	102	nd	nd	0.780	nd	0.100
34	104			nd	nd	0.610
35	106	nd	nd	nd	nd	nd
36	134			0.780	nd	0.690

37	136	0.180	0.100	0.260	nd	0.280
38	142	nd	nd	nd	nd	nd
39	152	nd	nd	nd	nd	nd
40	169	nd	nd	nd	nd	nd
41	187	nd	nd	nd	nd	nd
42	1000	0.120	nd	0.220	nd	0.310
43	2000	0.810	0.100	1.490	nd	0.560
44	3000	0.100	0.610	5.980	nd	6.630
45	5000	0.560	nd	0.270	nd	0.410
46	4000	0.240	nd			
47	(Petrola) ¹ 10300			16.540	9.300	
48	(Petrola) 10400			20.960	10.240	
49	(Pyrkal) 10500			41.260	21.680	
50	(Pyrkal) 10600			1.380	nd	
Total number of samples determined		34	34	45	45	40

¹ Refinery of Eleusis

Table S4. Concentrations of xylenes in ppb (nd=not detectable).

s/n	Sample id	Nov03	May04	Nov04	May05	Nov05
1	1	0.400	nd	0.360	nd	0.100
2	3	24.030	2.210	21.960	2.110	19.100
3	8	36.570	1.630	29.870	0.450	28.610
4	12	56.020	4.020	49.620	2.990	36.440
5	15				nd	5.060
6	16	6.680		5.230	nd	4.110
7	20			1.980	nd	1.210
8	22	Pure oil -not characterized				
9	23/24	0.440	nd	0.290	nd	nd
11	27			4.250	nd	2.780
12	29	0.430	nd	0.480	nd	0.350
13	32			1.180	nd	0.520
14	37			1.280	nd	0.770
15	38	0.250	nd	nd	nd	nd
16	44	0.090	nd	0.980	nd	0.750
17	45	2.500	nd	1.660	nd	0.810
18	46			3.120	nd	1.250
19	47	nd	nd	4.250	0.96	3.060
20	54	15.730	nd	10.020	0.89	9.120
21	55	7.110	nd	5.310	0.10	5.870
22	58			1.450	nd	0.250
23	61	0.190	0.110	0.430	nd	0.250
24	62	0.290	0.240	0.120	nd	0.370
25	63	0.210	0.140	0.350	nd	0.390
26	66			nd	nd	0.160
27	67	nd	0.100	nd		
28	72	0.550	nd	0.220	nd	0.510
29	86/88	0.140	nd	nd	nd	0.190
30	95	0.540	nd			

31	98	6.380	0.870	4.160	nd	3.040
32	100	0.120	nd	0.100	nd	nd
33	102	0.100	nd	nd	nd	0.090
34	104			0.760	nd	0.280
35	106	0.100	nd	nd	nd	0.150
36	134			nd	nd	0.160
37	136	0.310	nd	0.560	nd	0.690
38	142	nd	nd	nd	nd	nd
39	152	nd	nd	nd		
40	169	nd	nd	nd	nd	0.230
41	187	nd	nd	nd	nd	0.280
42	1000	0.650	nd	0.110	nd	0.240
43	2000	0.870	nd	1.460	nd	0.450
44	3000	12.120	1.00	8.760	nd	8.460
45	5000	nd	nd	0.560	nd	0.610
46	4000	0.260	nd			
47	(Petrola) ¹ 10300			31.100	20.750	
48	(Petrola) 10400			74.450	22.240	
49	(Pyrkal) 10500			105.500	68.690	
50	(Pyrkal) 10600			4.030	nd	
Total number of samples determined		34	34	45	45	40

¹Refinery of Eleusis