

## Supplementary Materials

**Table S11.** Regression data of Log  $K_p$  versus Log  $P^{\circ}_L$  and Log  $K_{OA}$  versus Log  $P^{\circ}_L$  for industrial and urban sites.

Log $K_p$ vs Log $P^{\circ}_L$								
Sampling date mm/dd/yy	Industrial site				Urban site			
	m	b	$r^2$	Significance (p)	m	b	$r^2$	Significance (p)
06/08/2009	-0.2466	-3.2436	0.9284	<0.005	-0.3348	-3.2831	0.9231	<0.005
06/09/2009	-0.3107	-3.4942	0.8946	<0.01	-0.3168	-3.3036	0.8544	<0.025
06/10/2009	-0.355	-3.5688	0.9065	<0.01	-0.2901	-3.1074	0.878	<0.01
06/11/2009	-0.2851	-3.3259	0.848	<0.025	-0.3883	-3.4937	0.9488	<0.005
06/15/2009	-0.2861	-3.3048	0.954	<0.005	-0.2869	-3.0261	0.8463	<0.025
06/16/2009	-0.3885	-3.9581	0.4939	<0.005	-0.2278	-3.3113	0.7067	<0.05
12/02/2009	-0.1615	-2.9214	0.6019	<0.005	-0.3395	-3.1511	0.9321	<0.005
12/06/2009	-0.2075	-3.3498	0.7586	<0.05	-0.2972	-3.7268	0.7394	<0.05
12/14/2009	-0.209	-3.3427	0.759	<0.05	-0.2715	-3.6055	0.6681	<0.05
12/15/2009	-0.2102	-3.3398	0.6566	<0.05	-0.2565	-3.4878	0.7739	<0.025
12/16/2009	-0.2818	-3.4711	0.8156	<0.025	-0.3005	-3.8613	0.7731	<0.025
12/17/2009	-0.4689	-4.7572	0.7999	<0.025	-0.2918	-3.701	0.839	<0.025
Log $K_p$ vs Log $K_{OA}$								
Sampling date mm/dd/yy	Industrial site				Urban site			
	m	b	$r^2$	Significance (p)	m	b	$r^2$	Significance (p)
06/08/2009	0.3416	-5.8912	0.9354	<0.005	0.4246	-6.4401	0.781	<0.025
06/09/2009	0.4106	-6.617	0.811	<0.025	0.3920	-6.1859	0.6802	<0.05
06/10/2009	0.5008	-7.4928	0.9359	<0.001	0.3724	-5.8987	0.7515	<0.05
06/11/2009	0.3687	-6.0975	0.7391	<0.05	0.5115	-7.3755	0.8572	<0.025
06/15/2009	0.3854	-6.2622	0.8915	<0.001	0.3550	-5.6388	0.672	<0.05
06/16/2009	0.5006	-7.7193	0.4252	<0.005	0.4375	-6.4338	0.8061	<0.025
12/02/2009	0.2147	-4.5936	0.511	<0.05	0.4112	-6.9992	0.6821	<0.05
12/06/2009	0.2811	-5.5668	0.6654	<0.05	0.3825	-6.6791	0.6378	<0.05
12/14/2009	0.1651	-4.117	0.3478	<0.05	0.3365	-6.0879	0.6397	<0.05
12/15/2009	0.3002	-5.777	0.6395	<0.05	0.3131	-5.8022	0.6366	<0.05
12/16/2009	0.3586	-6.2019	0.627	<0.05	0.3979	-6.9671	0.642	<0.05
12/17/2009	0.6149	-9.5128	0.6511	<0.05	0.3900	-6.7655	0.7088	<0.05