

<u>Sampling Interval</u>	<u>Time</u>	Wind Speed (m/s)	Temperature (°C)	Ri	z/L	Phi M	Phi H	Phi W	u_star	Upper Arm Total PCB Conc. (ng/m ³)	Lower Arm Total PCB Conc. (ng/m ³)	PCB Flux (ng/m ² /h)
08/01/01	10:30-12:45	2.0	27.6	-0.82	-0.54	0.62	0.75	ND	0.18	12.5	13.2	201
08/01/01	12:45-14:41	3.0	28.9	1.11	-0.97	0.58	ND	ND	0.16	12.5	13.2	134
08/29/01	22:25-2:10	2.2	21.4	0.09	0.20	1.26	0.80	1.32	0.11	7.95	7.46	-47
08/30/01	10:30-14:30	4.7	29.3	-0.23	-0.30	0.54	0.36	1.00	0.33	18.7	13.6	-1944
10/23/01	10:20-14:00	4.3	31.6	-0.08	-0.04	0.99	2.69	1.00	0.23	2.21	1.79	-106
10/23/01	14:30-18:07	6.7	27.1	-0.03	-0.01	0.94	3.39	1.00	0.33	1.50	5.01	1276
10/24/01	10:20-14:19	2.2	25.8	-0.35	-0.18	0.64	0.98	ND	0.23	7.13	15.7	2205
10/24/01	20:10-23:30	3.7	21.6	-0.03	0.13	1.85	ND	ND	0.19	4.26	5.82	326
10/25/01	8:00-12:00	3.3	27.8	0.05	-0.02	1.83	ND	0.72	0.24	7.88	11.6	1366
05/06/02	12:30-15:30	3.4	23.7	-0.04	-0.02	0.47	0.47	0.30	0.59	3.15	9.53	14871
05/06/02	15:30-18:30	4.2	21.0	0.00	-0.01	0.66	0.22	0.33	0.55	1.51	3.63	4207
05/07/02	9:30-12:30	2.4	22.6	-0.18	-0.25	0.61	0.35	0.24	0.22	3.00	4.82	1987
05/07/02	13:00-16:00	3.4	25.7	-0.04	-0.09	0.66	0.27	0.34	0.28	3.25	5.62	2332
05/07/02	20:00-23:15	0.9	20.6	0.27	0.23	1.39	1.73	ND	0.10	3.74	4.79	72
05/08/02	9:30-12:30	4.3	18.6	-0.01	-0.04	0.93	0.32	0.25	0.63	1.03	2.00	2877
11/13/02	15:37-19:30	5.6	9.2	0.01	0.01	1.00	1.12	ND	0.32	0.366	0.605	76
11/14/02	8:15-11:30	3.3	6.9	-0.02	-0.19	1.25	0.29	ND	0.18	0.343	1.049	492
11/14/02	12:00-15:00	2.7	12.8	-0.09	-0.19	0.77	0.41	ND	0.20	0.554	1.035	260
11/14/02	16:30-19:45	3.7	12.3	0.16	0.06	0.56	1.06	ND	0.21	0.821	0.745	-17
11/15/02	8:30-11:30	4.2	11.3	-0.02	-0.04	0.94	0.85	ND	0.24	0.713	0.949	74

The value of phi W was assumed to be 1 due to varying conditions and gradients in moisture vapor below the resolution of the sampling apparatus

ND

The value could not be calculated due to technical or atmospheric problems