

**Table 2-4 — Summary Statistics for Representative Pollutants of Concern Sampled 21 April 1998 through 25 June 1999 (Ordered by Frequency of Detection)**

Compound	Number Detected Results/ Total Samples	Range of Detected Values		Range of Detection Limits for Non-Detected Samples		Median Value	Mean	Standard Deviation	Lower 95% Confidence Limit	Upper 95% Confidence Limit	RBC <sup>a</sup>
		Minimum	Maximum	Minimum	Maximum						
ACID GASES ( $\mu\text{g}/\text{m}^3$ )											
Hydrochloric Acid	361/361	0.491	42.2	NA	NA	2.48	3.83	4.67	3.35	4.32	21.0
ALDEHYDES AND KETONES ( $\mu\text{g}/\text{m}^3$ )											
Acetaldehyde	216/216	0.792	18.0	NA	NA	3.21	3.49	1.97	3.23	3.76	0.810
Formaldehyde	216/216	0.211	22.9	NA	NA	1.98	2.46	2.19	2.17	2.76	0.140
Acrolein	171/216	0.0792	3.53	0.0800	0.290	0.278	0.335	0.354	0.288	0.383	0.0210
Crotonaldehyde	79/216	0.0792	3.43	0.0791	0.241	0.0525	0.277	0.450	0.216	0.337	0.00330
DIOXINS ( $\text{pg}/\text{m}^3$ )											
Dioxin TEQ <sup>b</sup>	344/344	0.0700	39.4	NA	NA	0.760	1.57	2.99	1.25	1.89	0.0420
1,2,3,7,8,9-HxCDD	343/344	0.0260	4.78	0.0205	0.0205	0.158	0.295	0.518	0.241	0.350	1.40
2,3,7,8-TCDD	243/344	0.00936	0.590	0.00470	0.0348	0.0200	0.0346	0.0575	0.0286	0.0407	0.0420
PCBs AND PESTICIDES ( $\text{ng}/\text{m}^3$ )											
alpha-BHC	61/203	0.252	1.45	0.0523	0.193	0.0625	0.254	0.349	0.206	0.302	0.990
Dieldrin	44/203	0.136	0.714	0.0940	0.666	0.218	0.221	0.134	0.202	0.239	0.390
Aldrin	18/203	0.123	1.49	0.0787	1.34	0.0882	0.171	0.248	0.137	0.205	0.370
Heptachlor epoxide	14/203	0.293	0.748	0.0828	0.881	0.233	0.211	0.114	0.195	0.227	0.690
PM <sub>10</sub> METALS ( $\mu\text{g}/\text{m}^3$ )											
Cadmium	232/232	0.000127	0.343	NA	NA	0.00171	0.00608	0.0257	0.00275	0.00941	0.000990
Lead	232/232	0.00936	16.3	NA	NA	0.0633	0.262	1.16	0.112	0.412	1.50
PM <sub>10</sub>	231/231	7.45	245	NA	NA	59.2	69.6	41.9	64.1	75.0	150
Arsenic	215/232	0.0000246	0.0552	0.000941	0.00200	0.00176	0.00237	0.00381	0.00188	0.00287	0.000410
Beryllium	190/232	0.00000768	0.00120	0.0000443	0.00111	0.0000954	0.000235	0.000283	0.000198	0.000271	0.000750
PM <sub>2.5</sub> METALS ( $\mu\text{g}/\text{m}^3$ )											
Cadmium	21/24	0.00117	0.00871	0.00125	0.00196	0.00204	0.00266	0.00211	0.00177	0.00355	0.000990
PM <sub>2.5</sub>	21/24	6.70	126	1.00	1.00	18.8	26.3	27.7	14.6	37.9	65.0

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Beryllium	17/24	0.000417	0.00171	0.000417	0.000417	0.000667	0.000663	0.000421	0.000486	0.000841	0.000750
Arsenic	13/24	0.000917	0.00750	0.00529	0.0127	0.00289	0.00355	0.00186	0.00277	0.00434	0.000410
SVOCs ( $\mu\text{g}/\text{m}^3$ )											
1,4-Dichlorobenzene	197/197	0.121	4.22	NA	NA	0.933	1.18	0.760	1.07	1.29	0.280
Acetophenone	75/197	0.0944	0.938	0.00100	0.0310	0.00456	0.121	0.197	0.0935	0.149	0.0210
Hexachlorobenzene	1/197	0.00500	0.00500	0.00100	0.0370	0.00390	0.00388	0.00162	0.00365	0.00410	0.00390
VOCs (GC/MS) ( $\mu\text{g}/\text{m}^3$ )											
1,2,4-Trimethylbenzene	349/349	0.366	11.1	NA	NA	1.67	2.02	1.46	1.86	2.17	6.20
Benzene	349/349	0.861	18.5	NA	NA	3.41	3.75	2.11	3.53	3.98	0.220
Chloromethane	349/349	0.954	3.48	NA	NA	1.63	1.74	0.461	1.69	1.79	1.80
Methylene Chloride	349/349	1.07	676	NA	NA	5.06	11.0	43.4	6.42	15.6	3.80
Toluene	349/349	4.17	523	NA	NA	20.4	24.5	30.1	21.3	27.7	420
Trichloroethylene	343/349	0.217	10.0	0.215	0.858	1.50	1.76	1.34	1.62	1.90	1.00
Carbon Tetrachloride	340/349	0.247	1.73	0.212	1.07	0.615	0.639	0.185	0.620	0.659	0.120
Tetrachloroethylene	329/349	0.0677	10.4	0.466	0.778	0.920	1.22	1.06	1.11	1.33	3.10
1,3-Butadiene	321/349	0.0802	5.74	0.0883	0.603	0.389	0.478	0.488	0.426	0.529	0.00350
Chloroform	270/349	0.0707	1.32	0.0975	1.07	0.195	0.232	0.135	0.218	0.246	0.0770
Acetonitrile	200/349	0.171	701	0.187	6.83	1.09	12.2	57.1	6.16	18.2	62.0
Hexachloro-1,3-Butadiene	125/349	0.128	11.1	0.469	15.8	0.649	1.46	1.80	1.27	1.65	0.0800
1,4-Dioxane	120/349	0.105	10.0	0.355	5.83	0.651	0.955	1.16	0.833	1.08	0.570
1,1,2,2-Tetrachloroethane	108/349	0.122	4.13	0.198	1.57	0.250	0.428	0.447	0.381	0.475	0.0310
1,1-Dichloroethylene	72/349	0.0459	0.676	0.0791	0.862	0.108	0.122	0.0822	0.114	0.131	0.0360
Acrylonitrile	70/349	0.0377	2.21	0.0867	2.02	0.179	0.257	0.263	0.229	0.285	0.0260
1,2-Dichloroethane	47/349	0.0808	1.07	0.105	0.901	0.169	0.181	0.108	0.170	0.193	0.0690
1,2-Dibromoethane	31/349	0.0767	1.85	0.0767	1.81	0.147	0.172	0.138	0.158	0.187	0.00820

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1,2-Dichloropropane	28/349	0.0876	1.36	0.0655	0.600	0.0900	0.115	0.122	0.102	0.128	0.0920
Vinyl Chloride	24/349	0.0765	0.638	0.0663	0.561	0.0919	0.108	0.0773	0.100	0.116	0.0210
1,1,2-Trichloroethane	15/349	0.0545	1.21	0.0898	1.31	0.182	0.215	0.122	0.202	0.227	0.110
Bromodichloromethane	1/349	0.943	0.943	0.0929	6.69	0.164	0.275	0.562	0.216	0.334	0.100
Dibromochloromethane	1/349	1.11	1.11	0.170	8.50	0.216	0.330	0.715	0.255	0.405	0.0750

<sup>a</sup>The value listed for lead, PM<sub>2.5</sub>, and PM<sub>10</sub> is from NAAQS. Otherwise, the value is from the April 1999 USEPA Region 3 Risk Based Concentration (RBC).

<sup>b</sup>Dioxin TEQs are calculated values, not measured.

NA = Not Applicable, because the analyte was detected in all samples.

Median, mean, standard deviation, and confidence limits are estimated using proxies (dl/2) and detected results.