

**Table 1-1 Summarized results of B[a]P, B[k]F, and B[ghi]P measurement (general environment)**

	Industrial district				Residential district				Suburban district			
	Dust Concentration ( $\mu\text{g}/\text{m}^3$ )	Atmospheric			Dust Concentration ( $\mu\text{g}/\text{m}^3$ )	Atmospheric			Dust Concentration ( $\mu\text{g}/\text{m}^3$ )	Atmospheric		
		B[a]P ( $\text{ng}/\text{m}^3$ )	B[k]F ( $\text{ng}/\text{m}^3$ )	B[ghi]P ( $\text{ng}/\text{m}^3$ )		B[a]P ( $\text{ng}/\text{m}^3$ )	B[k]F ( $\text{ng}/\text{m}^3$ )	B[ghi]P ( $\text{ng}/\text{m}^3$ )		B[a]P ( $\text{ng}/\text{m}^3$ )	B[k]F ( $\text{ng}/\text{m}^3$ )	B[ghi]P ( $\text{ng}/\text{m}^3$ )
Number of samples from which substances were detected	/	<u>59</u>	<u>59</u>	<u>59</u>	/	<u>60</u>	<u>60</u>	<u>60</u>	/	<u>59</u>	<u>59</u>	<u>59</u>
Number of samples surveyed		59	59	59		60	60	60		59	59	59
Minimum value	17	<b>0.056</b>	0.037	0.18	13	<b>0.048</b>	0.026	0.16	6	<b>(0.021)</b>	(0.015)	0.043
Maximum value	207	<b>2.4</b>	1.4	3.7	151	<b>1.9</b>	0.90	3.2	172	<b>2.4</b>	1.3	4.8
Medium value	64	<b>0.70</b>	0.42	1.4	46	<b>0.41</b>	0.21	0.73	40	<b>0.31</b>	0.17	0.58
Average value	66	<b>0.74</b>	0.41	1.4	50	<b>0.49</b>	0.28	0.99	46	<b>0.42</b>	0.23	0.82

The number of samples from which substances were detected refers to a total number of samples having a value larger than the minimum limit value of detection. Values larger than the minimum limit value of detection but smaller than the minimum limit value of determination are indicated in ( ).

**Table 1-2 Summarized results of B[a]P, B[k]F, and B[ghi]P measurement (roadside areas )**

	Roadside area				Hinterland			
	Dust Concentration ( $\mu\text{g}/\text{m}^3$ )	Atmospheric			Dust Concentration ( $\mu\text{g}/\text{m}^3$ )	Atmospheric		
		B[a]P ( $\text{ng}/\text{m}^3$ )	B[k]F ( $\text{ng}/\text{m}^3$ )	B[ghi]P ( $\text{ng}/\text{m}^3$ )		B[a]P ( $\text{ng}/\text{m}^3$ )	B[k]F ( $\text{ng}/\text{m}^3$ )	B[ghi]P ( $\text{ng}/\text{m}^3$ )
Number of samples from which substances were detected	/	<u>10</u>	<u>10</u>	<u>10</u>	/	<u>10</u>	<u>10</u>	<u>10</u>
Number of samples surveyed		10	10	10		10	10	10
Minimum value	30	<b>0.14</b>	0.070	0.33	23	<b>0.11</b>	0.078	0.31
Maximum value	180	<b>1.4</b>	0.69	2.9	139	<b>1.1</b>	0.59	2.3
Medium value	85	<b>0.87</b>	0.46	1.8	68	<b>0.74</b>	0.39	1.3
Average value	86	<b>0.81</b>	0.42	1.6	69	<b>0.70</b>	0.38	1.4

The number of samples from which substances were detected refers to a total number of samples having a value larger than the minimum limit value of detection. Values larger than the minimum limit value of detection but smaller than the minimum limit value of determination are indicated in ( ).

Table 1-3 B[a]P, B[k]F, and B[ghi]P measurement results (general environment)

	Industrial district						
	Measurement site	Measurement date	Total quantity of airflow (m <sup>3</sup> )	Dust concentration (μg/m <sup>3</sup> )	Atmospheric humidity		
					B[a]P (ng/m <sup>3</sup> )	B[k]F (ng/m <sup>3</sup> )	B[ghi]P (ng/m <sup>3</sup> )
Hokkaido	Muroran City	10/22	2136	59	0.47	0.28	1.1
Sapporo City	Nishi Ward	10/29	1407	102	1.0	0.54	1.9
Aomori Pref.	Hachinohe City	10/12	1513	78	0.98	0.46	1.9
Iwate Pref.	Kitakami City	10/29	1192	82	1.6	0.70	3.1
Miyagi Pref.	Iwanuma City	10/29	1310	72	0.79	0.43	1.55
Sendai City	Miyagino City	10/13	1539	102	0.74	0.41	1.5
Akita Pref.	Akita City	10/22	1440	45	0.28	0.15	0.51
Yamagata Pref.	Tsuruoka City	10/21	1482	37	0.46	0.29	1.1
Fukushima Pref.	Iwasaki City	10/27	1033	54	0.31	0.21	0.68
Ibaragi Pref.	Kashima County	10/26	1338	65	0.86	0.53	1.5
Tochigi Pref.	Mako City	10/22	1412	24	0.097	0.069	0.22
Gunma Pref.	Isezaki City	10/22	1362	54	0.54	0.34	1.1
Sainama Pref.	Soka City	10/20	1467	106	2.1	0.73	3.7
Chiba Pref.	Ichihara City	10/26	1445	85	0.94	0.51	1.6
Chiba City	Chuo Ward	10/28	1525	134	1.0	0.56	2.1
Tokyo	Araki Ward	10/27	1437	71	1.1	0.56	2.1
Kanagawa Pref.	Atsugi City	10/19	1873	80	0.46	0.28	1.2
Yokohama City	Turumi Ward	10/27	30.8	86	1.6	0.91	3.5
Kawasaki City	Kawasaki Ward	10/15	1716	92	0.15	0.091	0.20
Nigata Pref.	Nakakubiki County	10/22	1683	44	0.056	0.052	0.18
Toyama Pref.	Takaoka City	10/27	1890	66	0.70	0.47	1.4
Isikawa Pref.	Kaga City	10/ 8	2163	29	0.11	0.058	0.29
Fukui Pref.	Mikuni Town	10/27	1371	18	0.13	0.088	0.26
Yamanashi Pref.	Nakakoma County	10/27	1256	42	0.30	0.14	0.48
Nagano Pref.	Suwa City	10/21	1910	42	0.44	0.25	0.95
Gifu Pref.	Ogaki City	10/19	1006	32	0.14	0.084	0.29
Sizuoka Pref.	Fuji City	10/26	1167	64	0.90	0.67	1.8
Aichi Pref.	Handa City	11/12	2052	71	2.4	1.2	3.7
Nagoya City	Minami Ward	10/22	1983	75	2.3	1.4	3.1
Mie Pref.	Yokkaichi City	10/20	1945	49	1.7	0.67	2.2
Shiga Pref.	Koga County	10/27	2234	34	0.48	0.33	0.99
Kyoto Pref.	Uji City	10/26	2155	74	0.91	0.49	1.53
Kyoto City	Minami Ward	10/28	1939	46	0.48	0.25	0.88
Osaka Pref.	Takashi City	10/27	1447	84	0.86	0.56	2.1
Osaka City	Nishiyodogawa Ward	10/27	1852	37	0.66	0.44	1.3
Hyogo Pref.	Amagasaki City	10/19	1465	40	0.18	0.11	0.35
Kobe City	Nada Ward	10/19	1413	27	0.16	0.084	0.28
Nara Pref.	Yamatokoriyama City	10/19	990	111	0.74	0.42	1.5
Wakayama Pref.	Wakayama City	10/27	1847	51	0.78	0.46	2.0
Tottori Pref.	Kurayoshi City	10/13	1453	27	0.20	0.12	0.45
Shimane Pref.	Izumo City	10/20	1490	26	0.24	0.13	0.38
Okayama Pref.	Kurasihiki City	10/26	2090	58	0.78	0.45	1.7
Hiroshima Pref.	Fukuyama City	10/28	1425	83	1.3	0.59	2.4
Hiroshima City	Minami Ward	10/28	1308	90	0.71	0.42	1.4
Yamaguchi Pref.	Ube City	10/28	1275	71	0.77	0.48	1.7
Tokushima Pref.	Anan City	10/19	1442	34	0.22	0.11	0.40
Kagawa Pref.	Maruyama City	10/19	40.4	92	1.5	0.72	1.7
Ehime Pref.	Nihama City	11/ 4	1440	117	0.72	0.45	1.6
Kochi Pref.	Kochi City	10/20	1868	34	0.38	0.20	0.68
Fukuoka Pref.	Omuta City	10/26	2137	207	1.0	0.58	2.5
Kitakyushu City	Wakamatsu Ward	10/22	1451	65	0.49	0.28	0.70
Fukuoka Pref.	Higashi Ward	11/ 4	1442	153	0.77	0.48	1.5
Saga Pref.	Imari City	10/26	1425	95	1.3	0.68	2.5
Nagasaki Pref.	Isahaya City	10/15	1456	26	0.12	0.077	0.23
Kumamoto Pref.	Yashiro City	10/21	2294	78	0.56	0.36	1.3
Oita Pref.	Oita City	10/14	1275	62	2.1	1.2	2.8
Miyazaki Pref.	Nobeoka City	10/15	1460	17	0.074	0.037	0.19
Kagoshima Pref.	Sendai City	10/21	1451	64	0.49	0.29	1.0
Okinawa Pref.	Itoman City	10/27	1783	51	0.075	0.039	0.34
Number of samples from which substances were detected/ Number of samples surveyed				—	59/59	59/59	59/59
Minimum value				17	0.056	0.037	0.18
Maximum value				207	2.4	1.4	3.7

The number of samples from which substances were detected refers to a total number of samples having a value larger than the minimum limit value of detection.

\*1 The duplicate measurement indicated a more than 30% variation rate. The value should be omitted as a general rule, but is shown as reference value.

Residential district						
Measurement site	Measurement date	Total quantity of airflow (m <sup>3</sup> )	Dust concentration (μg/m <sup>3</sup> )	Atmospheric humidity		
				B[a]P (ng/m <sup>3</sup> )	B[k]F (ng/m <sup>3</sup> )	B[ghi]P (ng/m <sup>3</sup> )
Ishikara City	10/20	2180	34	0.27	0.18	0.57
Minami Ward	10/29	1419	41	0.31	0.14	0.55
Aomori City	10/12	1197	52	0.42	0.17	0.64
Morioka City	10/22	1087	32	0.23	0.12	0.39
Naruse Town	10/26	1504	22	0.14	0.070	0.18
Wakabayashi Ward	10/13	1653	51	0.30	0.15	0.49
Odate City	10/20	1452	50	0.60	0.33	1.2
Tsuruoka City	10/21	1495	33	0.58	0.30	1.3
Fukushima City	10/21	1040	45	1.9	0.90	3.2
Mito City	10/26	1108	29	0.33	0.18	0.60
Utsunomiya City	10/22	1348	19	0.29	0.16	0.58
Shibukawa City	10/20	1441	18	0.44	0.20	0.76
Shiki City	10/20	1457	61	0.95	0.47	1.8
Sakura City	10/28	1445	70	0.61	0.38	1.1
Chuo Ward	10/28	1525	99	0.96	0.45	2.1
Meguro Ward	10/27	1428	58	0.76	0.41	1.5
Ayase City	10/19	2146	62	0.30	0.13	0.37
Hodogaya Ward	10/27	32.3	81	1.1	0.80	2.6
Nakahara Ward	10/15	1694	62	0.076	0.048	0.16
Nagaoka Ward	10/19	1702	34	0.17	0.12	0.40
Toyama City	10/27	1840	59	0.53	0.33	1.4
Kanazawa City	10/ 8	1873	36	0.24	0.16	0.49
Fukui City	10/27	1341	26	0.43	0.27	0.91
Otsuki City	10/29	1159	47	0.23	0.16	0.45
Matsumoto City	10/20	2419	18	0.26	0.21	0.65
Kakamigahara City	10/19	1001	36	0.23	0.15	0.40
Shizuoka City	10/20	1146	58	0.48	0.30	0.85
Anjo City	11/12	2208	58	0.86	0.45	1.6
Chikusa Ward	10/22	2051	56	0.85	0.40	1.4
Tsu City	10/21	1840	22	0.39	0.25	0.78
Yokaichi City	10/27	1956	37	0.65	0.39	1.5
Yawata City	10/26	2183	54	0.61	0.30	1.4
Saikyo Ward	10/28	1981	45	0.22	0.14	0.53
Hirakata City	10/27	1368	66	1.1	0.73	2.5
Joto Ward	10/27	1655	64	0.83	0.50	2.0
Akashi City	10/19	1407	43	0.30	0.20	0.56
Himeji City	10/21	1471	43	0.73	0.46	1.7
Tarumi Ward	10/19	1417	27	0.10	0.058	0.17
Kashihara City	10/20	999	114	1.2	0.68	2.7
Wakayama City	10/27	1847	48	0.50	0.32	1.2
Tottori City	10/13	1455	24	0.15	0.084	0.39
Hamada City	10/20	1463	13	0.10	0.054	0.20
Okayama City	10/26	2290	43	0.45	0.28	1.1
Higashi-hiroshima City	10/27	1456	27	0.48	0.27	0.86
Asakita Ward	10/28	1075	55	0.30	0.18	0.67
Iwakuni City	10/19	1464	26	0.40	0.24	0.71
Komatsushima City	10/19	1537	27	0.19	0.11	0.38
Takamtsu City	10/19	44.9	105	0.26	0.17	0.44
Matsuyama City	11/ 4	1445	126	1.0	0.57	2.3
Nangoku City	10/20	1862	28	0.66	0.35	1.1
Nogata City	10/28	2150	93	1.2	0.56	2.1
Kokurakita Ward	10/22	1455	38	0.23	0.14	0.47
Jonann Ward	11/ 4	1439	151	0.56	0.38	1.5
Saga City	10/28	1441	60	0.49	0.20	0.72
Isahaya City	10/15	1423	45	0.29	0.18	0.75
Kumamoto City	10/20	2328	48	0.49	0.27	0.83
Usa City	10/ 8	1332	53	0.22	0.12	0.41
Miyazaki City	10/14	1422	28	0.14	0.079	0.37
Kokubu City	10/21	1424	50	0.20	0.13	0.43
Naha City	10/28	1992	46	0.048	0.026	0.25
			—	60/60	60/60	60/60
			13	0.048	0.026	0.16
			151	1.9	0.90	3.2

Suburban district						
Measurement site	Measurement date	Total quantity of airflow (m <sup>3</sup> )	Dust concentration (μg/m <sup>3</sup> )	Atmospheric humidity		
				B[a]P (ng/m <sup>3</sup> )	B[k]F (ng/m <sup>3</sup> )	B[ghi]P (ng/m <sup>3</sup> )
Ebetsu City	10/19	2204	14	<b>0.032</b>	0.024	0.062
Kita Ward	10/29	1394	41	<b>0.35</b>	0.20	0.68
Hachinohe City	10/12	1506	75	<b>0.86</b>	0.41	1.5
Ninohe City	10/27	1159	50	<b>0.41</b>	0.21	0.79
Wakuya Town	10/26	1265	18	<b>0.076</b>	0.046	0.15
Wakabayashi Ward	10/13	1665	48	<b>0.26</b>	0.15	0.59
Akita City	10/22	1452	26	<b>0.15</b>	0.054	0.18
Yamagata City	10/19	1447	26	<b>0.093</b>	0.060	0.19
Koriyama City	10/27	1029	28	<b>0.15</b>	0.070	0.19
Tsukuba City	10/26	735	60	<b>0.91</b>	0.50	1.7
Kuroba Town	10/22	1376	49	<b>0.047</b>	0.041	0.14
Azuma County	10/19	1372	27	<b>0.18</b>	0.094	0.45
Hiki County	10/20	1461	56	<b>0.87</b>	0.41	1.5
Katsuura City	10/26	1375	37	<b>0.39</b>	0.20	0.58
Wakaba Ward	10/28	1525	69	<b>0.47</b>	0.28	1.1
Tama City	10/27	1469	56	<b>0.81</b>	0.41	1.5
Yamakita Town	10/19	2102	50	<b>0.71</b>	0.37	1.5
Midori Ward	10/27	41.8	74	<b>2.4</b>	1.3	4.8
Miyamae Ward	10/15	1684	50	<b>0.14</b>	0.084	0.29
Kitakanbara County	10/20	1786	28	<b>0.35</b>	0.21	0.70
Tominami City	10/27	1878	63	<b>0.82</b>	0.48	1.5
Wajima City	10/ 8	1731	21	<b>(0.021)</b>	(0.015)	0.043
Tsuruga City	10/27	1350	24	<b>0.21</b>	0.14	0.40
Yamanashi City	10/26	1126	32	<b>0.34</b>	0.23	0.75
Iida City	10/22	1853	18	<b>0.18</b>	0.12	0.33
Mino City	10/19	1009	40	<b>0.14</b>	0.083	0.28
Daito Town	10/22	1159	33	<b>0.15</b>	0.12	0.29
Toyokawa City	11/12	2167	40	<b>0.42</b>	0.21	0.78
Minato Ward	10/22	2073	90	<b>1.2</b>	0.61	2.1
Kuwana City	10/20	2196	46	<b>0.73</b>	0.37	1.5
Kusatsu City	10/27	1971	41	<b>0.58</b>	0.37	1.1
Miyama Town	10/28	2145	31	<b>0.12</b>	0.14	0.22
Sakyo Ward	10/28	2004	45	<b>0.15</b>	0.079	0.34
Fujiidera City	10/27	1486	63	<b>0.73</b>	0.45	1.6
Hirano Ward	10/27	1734	72	<b>1.2</b>	0.63	2.4
Ono City	10/21	1509	45	<b>0.58</b>	0.32	1.3
Kita Ward	10/20	1393	34	<b>0.14</b>	0.080	0.31
Oyodo Town	10/22	963	105	<b>1.8</b>	0.91	3.5
Wakayama City	10/27	1841	35	<b>0.41</b>	0.26	1.2
Yonago City	10/14	1427	24	<b>0.24</b>	0.13	0.38
Ota City	10/20	1503	15	<b>0.063</b>	0.028	0.14
Soja City	10/26	1870	6	<b>0.085</b>	0.039	0.17
Yamagata County	10/28	1436	48	<b>0.22</b>	0.12	0.43
Asakita Ward	10/28	1205	29	<b>0.074</b>	0.045	0.19
Ube City	10/28	1447	31	<b>0.40</b>	0.24	0.72
Itano County	10/19	1425	19	<b>0.16</b>	0.084	0.28
Nakatado County	10/19	40.7	172	<b>0.31</b>	0.14	0.44
Kitauwa County	11/ 4	1414	86	<b>0.47</b>	0.27	0.95
Kami County	10/20	1868	32	<b>0.28</b>	0.17	0.59
Chikushino City	10/28	2153	61	<b>0.61</b>	0.31	1.3
Kokura-minami Ward	10/22	1451	75	<b>0.34</b>	0.16	0.62
Nishi Ward	11/ 4	1452	139	<b>0.53</b>	0.35	1.1
Karatsu City	10/27	1441	30	<b>0.25</b>	0.18	0.54
Nagasaki City	10/15	1435	19	<b>0.13</b>	0.049	0.21
Tamana County	10/19	2275	35	<b>0.39</b>	0.19	0.51
Usuki City	10/28	1149	35	<b>0.54</b>	0.32	0.83
Takajo Town	10/13	1355	36	<b>0.072</b>	0.036	0.12
Ibusuki City	10/19	1428	39	<b>0.12</b>	0.054	0.17
Osato village	10/29	1833	42	<b>0.032</b>	0.021	0.16
			—	<b>59/59</b>	59/59	59/59
			6	<b>(0.021)</b>	(0.015)	0.043
			172	<b>2.4</b>	1.3	4.8

Table 1-4 B[a]P, B[k]F, and B[ghi]P measurement results (Roadside areas)

	Roadside areas							Hinterland						
	Measurement site	Measurement date	Total quantity of airfrow (m <sup>3</sup> )	Dust concentration (μg/m <sup>3</sup> )	Atmospheric humidity			Measurement site	Measurement date	Total quantity of airfrow (m <sup>3</sup> )	Dust concentration (μg/m <sup>3</sup> )	Atmospheric humidity		
					B[a]P (ng/m <sup>3</sup> )	B[k]F (ng/m <sup>3</sup> )	B[ghi]P (ng/m <sup>3</sup> )					B[a]P (ng/m <sup>3</sup> )	B[k]F (ng/m <sup>3</sup> )	B[ghi]P (ng/m <sup>3</sup> )
Sapporo City	Kita Ward	10/29	1390	142	1.4	0.69	2.9	Kita Ward	10/29	1390	94	1.1	0.56	2.2
Chiba City	Hanamigawa Ward	10/28	1525	101	0.88	0.55	2.0	Hanamigawa Ward	10/28	1525	109	1.1	0.59	2.3
Tokyo	Adachi Ward	10/27	1430	77	1.1	0.57	2.1	Adachi Ward	10/27	1437	69	0.93	0.56	1.9
Kawasaki City	Kawasaki Ward	10/28	1161	180	1.2	0.60	2.0	Kawasaki Ward	10/28	1159	139	1.1	0.57	2.1
Shizuoka Pref.	Mishima City	10/28	1155	110	1.0	0.48	1.8	Mishima City	10/28	1155	81	0.75	0.39	1.3
Aichi Pref.	Kasugai City	11/19	1487	41	0.85	0.44	1.7	Kasugai City	11/19	2233	37	0.73	0.39	1.4
Kobe City	Higashi-nada Ward	10/21	1405	33	0.19	0.12	0.45	Higashi-nada Ward	10/21	1436	23	0.14	0.093	0.34
Hiroshima City	Minami Ward	10/28	1530	92	0.80	0.40	1.8	Minami Ward	10/28	1303	68	0.52	0.29	1.1
Tokushima Pref.	Tokushima City	10/19	1497	57	0.47	0.25	1.0	Tokushima City	10/19	1443	48	0.50	0.28	0.85
Miyazaki Pref.	Miyakonojo City	10/13	1403	30	0.14	0.070	0.33	Miyakonojo City	10/13	1369	24	0.11	0.078	0.31
Number of samples from which substances were detected/ Number of samples surveyed														
				—	10/10	10/10	10/10				—	10/10	10/10	10/10
Minimum value				30	0.14	0.070	0.33				23	0.11	0.078	0.31
Maximum value				180	1.4	0.69	2.9				139	1.1	0.59	2.3

The number of samples from which substances were detected refers to a total number of samples having a value larger than the minimum limit value of detection.