

## 광화학오염물질 오염도(2022.7)

### - 논현동 측정소

(단위 : ppb)

구분	오염물질	분자식	논현동		
			중간값	90%tile	10%tile
1	Ethane	C <sub>2</sub> H <sub>6</sub>	2.2	3.3	1.5
2	Ethylene	C <sub>2</sub> H <sub>4</sub>	0.8	1.5	0.4
3	Propane	C <sub>3</sub> H <sub>8</sub>	1.9	3.5	1.2
4	Propylene	C <sub>3</sub> H <sub>6</sub>	0.0	1.3	0.0
5	iso-Butane	C <sub>4</sub> H <sub>10</sub>	1.2	1.7	0.8
6	n-Butane	C <sub>4</sub> H <sub>10</sub>	1.2	2.2	0.8
7	Acetylene	C <sub>2</sub> H <sub>2</sub>	0.0	0.5	0.0
8	trans-2-Butene	C <sub>4</sub> H <sub>8</sub>	0.1	0.1	0.0
9	1-Butene	C <sub>4</sub> H <sub>8</sub>	0.1	0.2	0.0
10	cis-2-Butene	C <sub>4</sub> H <sub>8</sub>	0.0	0.1	0.0
11	Cyclopentane	C <sub>5</sub> H <sub>10</sub>	0.5	1.0	0.1
12	iso-Pentane	C <sub>5</sub> H <sub>12</sub>	0.0	0.9	0.0
13	n-Pentane	C <sub>5</sub> H <sub>12</sub>	0.4	0.8	0.1
14	trans-2-Pentene	C <sub>5</sub> H <sub>10</sub>	0.0	0.1	0.0
15	1-Pentene	C <sub>5</sub> H <sub>10</sub>	0.1	0.1	0.0
16	cis-2-Pentene	C <sub>5</sub> H <sub>10</sub>	0.0	0.1	0.0
17	2,2-Dimethylbutane	C <sub>6</sub> H <sub>14</sub>	0.1	0.1	0.0
18	2,3-Dimethylbutane	C <sub>6</sub> H <sub>14</sub>	0.1	0.2	0.0
19	2-Methylpentane	C <sub>6</sub> H <sub>14</sub>	0.1	0.2	0.1
20	3-Methylpentane	C <sub>6</sub> H <sub>14</sub>	0.0	0.2	0.0
21	Isoprene	C <sub>5</sub> H <sub>8</sub>	0.4	0.7	0.1
22	1-Hexene	C <sub>6</sub> H <sub>12</sub>	0.0	0.1	0.0
23	n-Hexane	C <sub>6</sub> H <sub>14</sub>	0.1	0.5	0.0
24	Methylcyclopentane	C <sub>6</sub> H <sub>12</sub>	0.5	0.6	0.4
25	2,4-Dimethylpentane	C <sub>7</sub> H <sub>16</sub>	0.0	0.0	0.0
26	Benzene	C <sub>6</sub> H <sub>6</sub>	0.3	0.5	0.2
27	Cyclohexane	C <sub>6</sub> H <sub>12</sub>	0.0	0.2	0.0
28	2-Methylhexane	C <sub>7</sub> H <sub>16</sub>	0.0	0.2	0.0
29	2,3-Dimethylpentane	C <sub>7</sub> H <sub>16</sub>	0.0	0.0	0.0
30	3-Methylhexane	C <sub>7</sub> H <sub>16</sub>	0.0	0.3	0.0
31	2,2,4-Trimethylpentane	C <sub>8</sub> H <sub>18</sub>	0.2	0.5	0.0
32	n-Heptane	C <sub>7</sub> H <sub>16</sub>	0.4	0.5	0.2
33	Methylcyclohexane	C <sub>7</sub> H <sub>14</sub>	0.1	0.2	0.0
34	2,3,4-Trimethylpentane	C <sub>8</sub> H <sub>18</sub>	0.0	0.0	0.0
35	Toluene	C <sub>7</sub> H <sub>8</sub>	2.8	4.7	1.7
36	2-Methylheptane	C <sub>8</sub> H <sub>18</sub>	0.0	0.0	0.0
37	3-Methylheptane	C <sub>8</sub> H <sub>18</sub>	0.0	0.0	0.0
38	n-Octane	C <sub>8</sub> H <sub>18</sub>	0.2	0.4	0.0
39	Ethylbenzene	C <sub>8</sub> H <sub>10</sub>	0.5	0.7	0.4
40	m/p-Xylene	C <sub>8</sub> H <sub>10</sub>	0.4	0.7	0.3
41	Styrene	C <sub>8</sub> H <sub>8</sub>	0.9	1.0	0.1
42	o-Xylene	C <sub>8</sub> H <sub>10</sub>	0.3	0.5	0.2
43	n-Nonane	C <sub>9</sub> H <sub>20</sub>	0.1	0.1	0.0
44	Isopropylbenzene	C <sub>9</sub> H <sub>12</sub>	0.0	0.1	0.0
45	n-Propylbenzene	C <sub>9</sub> H <sub>12</sub>	0.0	0.2	0.0
46	m-Ethyltoluene	C <sub>9</sub> H <sub>12</sub>	0.2	0.4	0.2
47	p-Ethyltoluene	C <sub>9</sub> H <sub>12</sub>	0.3	0.4	0.0
48	1,3,5-Trimethylbenzene	C <sub>9</sub> H <sub>12</sub>	0.1	0.1	0.0
49	o-Ethyltoluene	C <sub>9</sub> H <sub>12</sub>	0.0	0.1	0.0
50	1,2,4-Trimethylbenzene	C <sub>9</sub> H <sub>12</sub>	0.3	0.4	0.3
51	n-Decane	C <sub>10</sub> H <sub>22</sub>	0.1	0.2	0.0
52	1,2,3-Trimethylbenzene	C <sub>9</sub> H <sub>12</sub>	0.3	0.5	0.2
53	m-Diethylbenzene	C <sub>10</sub> H <sub>14</sub>	0.0	0.2	0.0
54	p-Diethylbenzene	C <sub>10</sub> H <sub>14</sub>	0.0	0.1	0.0
55	n-Undecane	C <sub>11</sub> H <sub>24</sub>	1.0	1.1	1.0
56	n-Dodecane	C <sub>12</sub> H <sub>26</sub>	0.3	0.3	0.0

※ 7월 벤젠 값은 0.3 ppb, 환경기준 연간 5 µg/m<sup>3</sup> (약 1.5 ppb at 1기압 20℃) 이내

※ 6월 VOCs 총합 농도값은 19.8 ppb(중간값 기준)

주) 1. 유효자릿수는 소수 첫째 자리까지이며, 0.0으로 표기된 값은 검출한계 이하임을 의미함

2. 중간값(median) : 측정값을 크기순서로 나열하여 중앙에 위치한 값

※ 평균은 극단적인 결과값에 영향을 받으나 중간값은 각 값의 분포상태에 영향을 받지 않음

3. 90 %tile: 농도값 표본을 100 부분으로 분할하여 낮은 값부터 순서대로 일렬로 나열했을 때 90번째 해당하는 값

4. 10 %tile: 농도값 표본을 100 부분으로 분할하여 낮은 값부터 순서대로 일렬로 나열했을 때 10번째 해당하는 값