

광화학오염물질 오염도(2021.04)

- 논현동 측정소

(단위 : ppb)

구분	오염물질	분자식	논현동		
			중간값	90%tile	10%tile
1	Ethane	C2H6	2.1	3.6	1.5
2	Ethylene	C2H4	0.0	0.0	0.0
3	Propane	C3H8	1.7	4.2	0.9
4	Propylene	C3H6	2.5	2.8	2.1
5	iso-Butane	C4H10	0.4	0.9	0.0
6	n-Butane	C4H10	0.7	1.8	0.3
7	Acethylene	C2H2	0.0	0.0	0.0
8	trans-2-Butene	C4H8	0.0	0.0	0.0
9	1-Butene	C4H8	0.0	0.0	0.0
10	cis-2-Butene	C4H8	0.0	0.0	0.0
11	Cyclopentane	C5H10	0.0	0.8	0.0
12	iso-Pentane	C5H12	0.4	1.3	0.0
13	n-Pentane	C5H12	0.0	1.0	0.0
14	trans-2-Pentene	C5H10	0.0	0.0	0.0
15	1-Pentene	C5H10	0.0	0.0	0.0
16	cis-2-Pentene	C5H10	0.0	0.0	0.0
17	2,2-Dimethylbutane	C6H14	0.0	0.0	0.0
18	2,3-Dimethylbutane	C6H14	0.0	0.0	0.0
19	2-Methylpentane	C6H14	0.0	0.0	0.0
20	3-Methylpentane	C6H14	0.0	0.0	0.0
21	Isoprene	C5H8	0.0	0.0	0.0
22	1-Hexene	C6H12	0.0	0.0	0.0
23	n-Hexane	C6H14	0.5	1.1	0.2
24	Methylcyclopentane	C6H12	0.0	0.3	0.0
25	2,4-Dimethylpentane	C7H16	0.0	0.1	0.0
26	Benzene	C6H6	0.2	0.5	0.0
27	Cyclohexane	C6H12	0.1	0.2	0.0
28	2-Methylhexane	C7H16	0.0	0.2	0.0
29	2,3-Dimethylpentane	C7H16	0.0	0.1	0.0
30	3-Methylhexane	C7H16	0.1	0.2	0.0
31	2,2,4-Trimethylpentane	C8H18	0.1	0.2	0.0
32	n-Heptane	C7H16	0.1	0.2	0.0
33	Methylcyclohexane	C7H14	0.1	0.2	0.0
34	2,3,4-Trimethylpentane	C8H18	0.0	0.1	0.0
35	Toluene	C7H8	1.9	7.5	0.5
36	2-Methylheptane	C8H18	0.0	0.1	0.0
37	3-Methylheptane	C8H18	0.0	0.0	0.0
38	n-Octane	C8H18	0.0	0.1	0.0
39	Ethylbenzene	C8H10	0.4	1.1	0.1
40	m/p-Xylene	C8H10	0.4	1.0	0.1
41	Styrene	C8H8	0.1	0.7	0.0
42	o-Xylene	C8H10	0.3	0.7	0.1
43	n-Nonane	C9H20	0.1	0.1	0.0
44	Isopropylbenzene	C9H12	0.0	0.1	0.0
45	n-Propylbenzene	C9H12	0.0	0.1	0.0
46	m-Ethyltoluene	C9H12	0.1	0.2	0.0
47	p-Ethyltoluene	C9H12	0.0	0.2	0.0
48	1,3,5-Trimethylbenzene	C9H12	0.1	0.2	0.0
49	o-Ethyltoluene	C9H12	0.0	0.1	0.0
50	1,2,4-Trimethylbenzene	C9H12	0.1	0.4	0.0
51	n-Decane	C10H22	0.1	0.2	0.0
52	1,2,3-Trimethylbenzene	C9H12	0.1	0.4	0.0
53	m-Diethylbenzene	C10H14	0.0	0.1	0.0
54	p-Diethylbenzene	C10H14	0.1	0.1	0.0
55	n-Undecane	C11H24	0.2	1.0	0.1
56	n-Dodecane	C12H26	0.1	0.2	0.0

※ 4월 벤젠 값은 0.2 ppb, 환경기준 연간 $5 \mu\text{g}/\text{m}^3$ (1.5 ppb) 이내

※ 4월 VOCs 총합 농도값은 14.8 ppb로 '21년 3월 15.8 ppb 대비 다소 감소 수준

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