

광화학오염물질 오염도(2022.5)

- 논현동 측정소

(단위 : ppb)

| 구분 | 오염물질 | 분자식 | 논현동 | | |
|----|------------------------|---------------------------------|-----|---------|---------|
| | | | 중간값 | 90%tile | 10%tile |
| 1 | Ethane | C ₂ H ₆ | 2.6 | 3.7 | 1.9 |
| 2 | Ethylene | C ₂ H ₄ | 0.8 | 1.6 | 0.5 |
| 3 | Propane | C ₃ H ₈ | 1.7 | 3.1 | 0.9 |
| 4 | Propylene | C ₃ H ₆ | 1.2 | 1.5 | 0.9 |
| 5 | iso-Butane | C ₄ H ₁₀ | 0.8 | 1.1 | 0.5 |
| 6 | n-Butane | C ₄ H ₁₀ | 0.9 | 1.8 | 0.6 |
| 7 | Acetylene | C ₂ H ₂ | 0.0 | 0.4 | 0.0 |
| 8 | trans-2-Butene | C ₄ H ₈ | 0.0 | 0.1 | 0.0 |
| 9 | 1-Butene | C ₄ H ₈ | 0.0 | 0.1 | 0.0 |
| 10 | cis-2-Butene | C ₄ H ₈ | 0.0 | 0.1 | 0.0 |
| 11 | Cyclopentane | C ₅ H ₁₀ | 0.5 | 1.0 | 0.1 |
| 12 | iso-Pentane | C ₅ H ₁₂ | 0.0 | 0.5 | 0.0 |
| 13 | n-Pentane | C ₅ H ₁₂ | 0.0 | 0.5 | 0.0 |
| 14 | trans-2-Pentene | C ₅ H ₁₀ | 0.0 | 0.0 | 0.0 |
| 15 | 1-Pentene | C ₅ H ₁₀ | 0.0 | 0.1 | 0.0 |
| 16 | cis-2-Pentene | C ₅ H ₁₀ | 0.0 | 0.0 | 0.0 |
| 17 | 2,2-Dimethylbutane | C ₆ H ₁₄ | 0.0 | 0.0 | 0.0 |
| 18 | 2,3-Dimethylbutane | C ₆ H ₁₄ | 0.1 | 0.2 | 0.0 |
| 19 | 2-Methylpentane | C ₆ H ₁₄ | 0.0 | 0.1 | 0.0 |
| 20 | 3-Methylpentane | C ₆ H ₁₄ | 0.0 | 0.1 | 0.0 |
| 21 | Isoprene | C ₅ H ₈ | 0.0 | 0.2 | 0.0 |
| 22 | 1-Hexene | C ₆ H ₁₂ | 0.0 | 0.0 | 0.0 |
| 23 | n-Hexane | C ₆ H ₁₄ | 0.0 | 3.0 | 0.0 |
| 24 | Methylcyclopentane | C ₆ H ₁₂ | 0.0 | 0.0 | 0.0 |
| 25 | 2,4-Dimethylpentane | C ₇ H ₁₆ | 0.5 | 0.6 | 0.4 |
| 26 | Benzene | C ₆ H ₆ | 0.0 | 0.4 | 0.0 |
| 27 | Cyclohexane | C ₆ H ₁₂ | 0.0 | 0.1 | 0.0 |
| 28 | 2-Methylhexane | C ₇ H ₁₆ | 0.0 | 0.1 | 0.0 |
| 29 | 2,3-Dimethylpentane | C ₇ H ₁₆ | 0.0 | 0.1 | 0.0 |
| 30 | 3-Methylhexane | C ₇ H ₁₆ | 0.0 | 0.1 | 0.0 |
| 31 | 2,2,4-Trimethylpentane | C ₈ H ₁₈ | 0.1 | 0.4 | 0.0 |
| 32 | n-Heptane | C ₇ H ₁₆ | 0.1 | 0.4 | 0.0 |
| 33 | Methylcyclohexane | C ₇ H ₁₄ | 0.0 | 0.2 | 0.0 |
| 34 | 2,3,4-Trimethylpentane | C ₈ H ₁₈ | 0.0 | 0.0 | 0.0 |
| 35 | Toluene | C ₇ H ₈ | 2.0 | 3.7 | 1.0 |
| 36 | 2-Methylheptane | C ₈ H ₁₈ | 0.0 | 0.0 | 0.0 |
| 37 | 3-Methylheptane | C ₈ H ₁₈ | 0.0 | 0.0 | 0.0 |
| 38 | n-Octane | C ₈ H ₁₈ | 0.0 | 0.1 | 0.0 |
| 39 | Ethylbenzene | C ₈ H ₁₀ | 0.6 | 0.9 | 0.3 |
| 40 | m/p-Xylene | C ₈ H ₁₀ | 0.5 | 0.9 | 0.3 |
| 41 | Styrene | C ₈ H ₈ | 0.5 | 0.7 | 0.4 |
| 42 | o-Xylene | C ₈ H ₁₀ | 0.4 | 0.6 | 0.2 |
| 43 | n-Nonane | C ₉ H ₂₀ | 0.0 | 0.1 | 0.0 |
| 44 | Isopropylbenzene | C ₉ H ₁₂ | 0.0 | 0.0 | 0.0 |
| 45 | n-Propylbenzene | C ₉ H ₁₂ | 0.0 | 0.2 | 0.0 |
| 46 | m-Ethyltoluene | C ₉ H ₁₂ | 0.0 | 0.3 | 0.0 |
| 47 | p-Ethyltoluene | C ₉ H ₁₂ | 0.3 | 0.4 | 0.0 |
| 48 | 1,3,5-Trimethylbenzene | C ₉ H ₁₂ | 0.0 | 0.0 | 0.0 |
| 49 | o-Ethyltoluene | C ₉ H ₁₂ | 0.0 | 0.0 | 0.0 |
| 50 | 1,2,4-Trimethylbenzene | C ₉ H ₁₂ | 0.2 | 0.3 | 0.2 |
| 51 | n-Decane | C ₁₀ H ₂₂ | 0.1 | 0.1 | 0.0 |
| 52 | 1,2,3-Trimethylbenzene | C ₉ H ₁₂ | 0.1 | 0.2 | 0.1 |
| 53 | m-Diethylbenzene | C ₁₀ H ₁₄ | 0.0 | 0.1 | 0.0 |
| 54 | p-Diethylbenzene | C ₁₀ H ₁₄ | 0.0 | 0.0 | 0.0 |
| 55 | n-Undecane | C ₁₁ H ₂₄ | 0.8 | 1.1 | 0.7 |
| 56 | n-Dodecane | C ₁₂ H ₂₆ | 0.0 | 0.4 | 0.0 |

※ 5월 벤젠 값은 0.0 ppb, 환경기준 연간 5 µg/m³ (약 1.5 ppb at 1기압 20℃) 이내

※ 5월 VOCs 총합 농도값은 17.2 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