

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW062124\  
 Data File : VW036199.D  
 Acq On : 21 Jun 2024 12:13  
 Operator : SY/MD  
 Sample : P2960-13  
 Misc : 5.57g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHB50

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024  
 Supervised By :Semsettin Yesilyurt 06/26/2024

Quant Time: Jun 21 12:37:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 20 05:02:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 391485   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 402459   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 197080   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 170792   | 23.730   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.920%  |
| 7) Chloroethane-d5            | 1.526  | 69    | 144996   | 25.265   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 101.080% |
| 11) 1,1-Dichloroethene-d2     | 2.050  | 65    | 78234    | 24.417   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 97.680%  |
| 21) 2-Butanone-d5             | 3.822  | 46    | 84277m   | 51.035   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 102.060% |
| 24) Chloroform-d              | 4.240  | 84    | 315547   | 25.353   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.400% |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 173885   | 26.647   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 106.600% |
| 32) Benzene-d6                | 4.953  | 84    | 639188   | 26.718   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 106.880% |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 201442   | 26.739   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 106.960% |
| 41) Toluene-d8                | 7.239  | 98    | 556758   | 26.376   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 105.520% |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79    | 81613    | 26.421   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 105.680% |
| 47) 2-Hexanone-d5             | 8.030  | 63    | 66181    | 64.839   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 129.680% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 155255   | 27.578   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 110.320% |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 208674   | 28.874   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 115.480% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl chloride             | 1.275  | 62    | 11819    | 1.386    | ug/L # | 78       |
| 16) Methylene chloride        | 2.439  | 84    | 65155    | 7.355    | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.805  | 96    | 1129199  | 168.750  | ug/L   | 99       |
| 25) Chloroform                | 4.269  | 83    | 8437     | 0.647    | ug/L   | 87       |
| 34) Trichloroethene           | 5.831  | 95    | 73091    | 9.060    | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.902  | 164   | 1087466  | 184.311  | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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