

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV071524\  
 Data File : VV036538.D  
 Acq On : 15 Jul 2024 19:17  
 Operator : SY/MD  
 Sample : P3238-04  
 Misc : 5.75g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4BE7

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 07/16/2024  
 Supervised By :Mahesh Dadoda 07/19/2024

Quant Time: Jul 16 01:31:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM071124SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 16 01:25:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response             | Conc   | Units | Dev(Min) |
|-------------------------------|----------------|------|----------------------|--------|-------|----------|
| -----                         |                |      |                      |        |       |          |
| Internal Standards            |                |      |                      |        |       |          |
| 1) 1,4-Difluorobenzene        | 5.529          | 114  | 353503               | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 231746               | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188         | 152  | 47853                | 25.000 | ug/L  | 0.00     |
|                               |                |      |                      |        |       |          |
| System Monitoring Compounds   |                |      |                      |        |       |          |
| 4) Vinyl Chloride-d3          | 1.269          | 65   | 129142               | 25.499 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 102.000%  |        |       |          |
| 7) Chloroethane-d5            | 1.523          | 69   | 109453               | 24.719 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 98.880%   |        |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.047          | 65   | 53660                | 20.633 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 82.520%   |        |       |          |
| 21) 2-Butanone-d5             | 3.854          | 46   | 7722                 | 8.908  | ug/L  | 0.01     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 17.820%#  |        |       |          |
| 24) Chloroform-d              | 4.243          | 84   | 206726m              | 20.091 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 80.360%   |        |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.937          | 65   | 110356               | 21.623 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 86.480%   |        |       |          |
| 32) Benzene-d6                | 4.953          | 84   | 364982               | 31.569 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 126.280%  |        |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.985          | 67   | 110600               | 32.099 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 128.400%# |        |       |          |
| 41) Toluene-d8                | 7.243          | 98   | 238231               | 22.332 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 89.320%   |        |       |          |
| 43) trans-1,3-Dichloroprop... | 7.561          | 79   | 17258                | 12.047 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 48.200%   |        |       |          |
| 47) 2-Hexanone-d5             | 8.046          | 63   | 2649                 | 6.922  | ug/L  | 0.02     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 13.840%#  |        |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152         | 84   | 57000                | 19.642 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 78.560%   |        |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561         | 152  | 30284                | 18.648 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 74.600%#  |        |       |          |
|                               |                |      |                      |        |       |          |
| Target Compounds              |                |      |                      |        |       | Qvalue   |
| 16) Methylene chloride        | 2.439          | 84   | 49226                | 6.773  | ug/L  | 99       |
| -----                         |                |      |                      |        |       |          |

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

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