

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV071224\  
 Data File : VV036513.D  
 Acq On : 12 Jul 2024 17:44  
 Operator : SY/MD  
 Sample : P3215-15  
 Misc : 5.29g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4D43

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/16/2024  
 Supervised By :Semsettin Yesilyurt 07/16/2024

Quant Time: Jul 13 04:11:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM071124SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 13 04:06:53 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response             | Conc   | Units | Dev(Min) |
|-------------------------------|----------------|------|----------------------|--------|-------|----------|
| -----                         |                |      |                      |        |       |          |
| Internal Standards            |                |      |                      |        |       |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 230508               | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 126730               | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188         | 152  | 24142                | 25.000 | ug/L  | 0.00     |
|                               |                |      |                      |        |       |          |
| System Monitoring Compounds   |                |      |                      |        |       |          |
| 4) Vinyl Chloride-d3          | 1.272          | 65   | 118348               | 35.836 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 143.360%  |        |       |          |
| 7) Chloroethane-d5            | 1.526          | 69   | 101553               | 35.172 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 140.680%  |        |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.050          | 65   | 45648                | 26.918 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 107.680%  |        |       |          |
| 21) 2-Butanone-d5             | 3.902          | 46   | 5084m                | 8.994  | ug/L  | 0.05     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 17.980%#  |        |       |          |
| 24) Chloroform-d              | 4.243          | 84   | 163569               | 24.378 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 97.520%   |        |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.937          | 65   | 89674                | 26.947 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 107.800%  |        |       |          |
| 32) Benzene-d6                | 4.953          | 84   | 285162               | 45.104 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 180.400%# |        |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.986          | 67   | 84771                | 44.990 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 179.960%# |        |       |          |
| 41) Toluene-d8                | 7.239          | 98   | 159233               | 27.296 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 109.200%  |        |       |          |
| 43) trans-1,3-Dichloroprop... | 7.571          | 79   | 5196                 | 6.633  | ug/L  | 0.02     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 26.520%#  |        |       |          |
| 47) 2-Hexanone-d5             | 8.066          | 63   | 1218m                | 5.820  | ug/L  | 0.04     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 11.640%#  |        |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153         | 84   | 38770                | 24.431 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 97.720%   |        |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561         | 152  | 16696                | 20.379 | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 81.520%   |        |       |          |
|                               |                |      |                      |        |       |          |
| Target Compounds              |                |      |                      |        |       |          |
| 16) Methylene chloride        | 2.439          | 84   | 14206                | 2.998  | ug/L  | 92       |
| 64) 1,3-Dichlorobenzene       | 11.130         | 146  | 2724                 | 1.911  | ug/L  | 88       |
| 65) 1,4-Dichlorobenzene       | 11.210         | 146  | 3442                 | 2.248  | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 11.583         | 146  | 2998                 | 2.188  | ug/L  | 89       |
| 70) 1,2,4-trichlorobenzene    | 13.201         | 180  | 3868                 | 4.405  | ug/L  | 91       |
| 72) 1,2,3-Trichlorobenzene    | 13.683         | 180  | 3885                 | 4.677  | ug/L  | 98       |
| -----                         |                |      |                      |        |       |          |

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

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