

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072324\  
 Data File : VW036656.D  
 Acq On : 23 Jul 2024 18:58  
 Operator : SY/MD  
 Sample : P3276-14  
 Misc : 9.30g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E20J3

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 07/24/2024  
 Supervised By :Mahesh Dadoda 07/25/2024

Quant Time: Jul 24 01:03:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 24 00:57:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|-------|----------|
| -----                         |                |      |            |           |       |          |
| Internal Standards            |                |      |            |           |       |          |
| 1) 1,4-Difluorobenzene        | 5.535          | 114  | 259411     | 25.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 179516     | 25.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188         | 152  | 31974      | 25.000    | ug/L  | 0.00     |
|                               |                |      |            |           |       |          |
| System Monitoring Compounds   |                |      |            |           |       |          |
| 4) Vinyl Chloride-d3          | 1.272          | 65   | 36903      | 12.989    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 51.960%   |       |          |
| 7) Chloroethane-d5            | 1.526          | 69   | 41367      | 16.120    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 64.480%   |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.050          | 65   | 17332      | 11.537    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 46.160%   |       |          |
| 21) 2-Butanone-d5             | 3.831          | 46   | 35904      | 54.148    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 108.300%  |       |          |
| 24) Chloroform-d              | 4.246          | 84   | 128028     | 18.661    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 74.640%   |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.941          | 65   | 73856      | 21.821    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 87.280%   |       |          |
| 32) Benzene-d6                | 4.957          | 84   | 178120     | 20.935    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 83.760%   |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.995          | 67   | 60676      | 25.029    | ug/L  | 0.01     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 100.120%  |       |          |
| 41) Toluene-d8                | 7.246          | 98   | 110134     | 13.564    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 54.240%   |       |          |
| 43) trans-1,3-Dichloroprop... | 7.561          | 79   | 23654      | 21.949    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 87.800%   |       |          |
| 47) 2-Hexanone-d5             | 8.037          | 63   | 21158      | 65.581    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 131.160%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153         | 84   | 66938      | 31.680    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 126.720%# |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561         | 152  | 25921      | 23.223    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 92.880%   |       |          |
|                               |                |      |            |           |       |          |
| Target Compounds              |                |      |            |           |       | Qvalue   |
| 5) Vinyl chloride             | 1.275          | 62   | 9716       | 2.321     | ug/L  | 94       |
| 12) 1,1-Dichloroethene        | 2.060          | 96   | 51145      | 12.780    | ug/L  | 92       |
| 17) trans-1,2-Dichloroethene  | 2.690          | 96   | 10269      | 2.541     | ug/L  | 95       |
| 20) cis-1,2-Dichloroethene    | 3.809          | 96   | 261973     | 62.067    | ug/L  | 99       |
| 34) Trichloroethene           | 5.834          | 95   | 36912809m  | 11064.154 | ug/L  |          |
| 46) Tetrachloroethene         | 7.902          | 164  | 134063     | 40.495    | ug/L  | 99       |
| -----                         |                |      |            |           |       |          |

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

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