

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061724\  
 Data File : VV036101.D  
 Acq On : 17 Jun 2024 16:08  
 Operator : SY/MD  
 Sample : P2909-04  
 Misc : 4.33g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4B81

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/20/2024  
 Supervised By :Semsettin Yesilyurt 06/20/2024

Quant Time: Jun 18 02:12:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 18 02:10:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|-------|----------|
| -----                         |                |      |            |         |       |          |
| Internal Standards            |                |      |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 448070     | 25.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 322200     | 25.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152  | 80815      | 25.000  | ug/L  | 0.00     |
|                               |                |      |            |         |       |          |
| System Monitoring Compounds   |                |      |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.272          | 65   | 1862       | 0.226   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 0.920%# |       |          |
| 7) Chloroethane-d5            | 1.529          | 69   | 1772       | 0.270   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 1.080%# |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.050          | 65   | 1162       | 0.317   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 1.280%# |       |          |
| 21) 2-Butanone-d5             | 0.000          | 46   | 0          | 0.000   | ug/L  |          |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 0.000%# |       |          |
| 24) Chloroform-d              | 4.253          | 84   | 2908m      | 0.204   | ug/L  | 0.02     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 0.800%# |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.979          | 65   | 1564m      | 0.209   | ug/L  | 0.05     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 0.840%# |       |          |
| 32) Benzene-d6                | 4.982          | 84   | 4527       | 0.236   | ug/L  | 0.03     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 0.960%# |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.008          | 67   | 1649m      | 0.273   | ug/L  | 0.03     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 1.080%# |       |          |
| 41) Toluene-d8                | 7.265          | 98   | 5038m      | 0.298   | ug/L  | 0.03     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 1.200%# |       |          |
| 43) trans-1,3-Dichloroprop... | 0.000          | 79   | 0          | 0.000   | ug/L  |          |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 0.000%# |       |          |
| 47) 2-Hexanone-d5             | 0.000          | 63   | 0          | 0.000   | ug/L  |          |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 0.000%# |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162         | 84   | 1281       | 0.284   | ug/L  | 0.01     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 1.120%# |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.571         | 152  | 2383       | 0.804   | ug/L  | 0.02     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 3.200%# |       |          |
|                               |                |      |            |         |       |          |
| Target Compounds              |                |      |            |         |       | Qvalue   |
| 16) Methylene chloride        | 2.442          | 84   | 99532      | 9.817   | ug/L  | 98       |
| -----                         |                |      |            |         |       |          |

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

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