

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102023\  
 Data File : VU055824.D  
 Acq On : 20 Oct 2023 11:34  
 Operator : MD/SY  
 Sample : 04947-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E45J2

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/23/2023  
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 23 01:05:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 23 01:04:15 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245          | 114  | 491249     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412          | 117  | 507202     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.808         | 152  | 254292     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599          | 65   | 181365     | 41.160   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 82.320%  |        |          |
| 7) Chloroethane-d5            | 1.892          | 69   | 151460     | 42.051   | ug/L   | -0.02    |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 84.100%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.560          | 63   | 256238     | 32.614   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 65.220%  |        |          |
| 21) 2-Butanone-d5             | 4.615          | 46   | 257274     | 78.797   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 78.800%  |        |          |
| 24) Chloroform-d              | 5.055          | 84   | 366392     | 43.374   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.740%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.695          | 65   | 239524     | 46.067   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.140%  |        |          |
| 32) Benzene-d6                | 5.721          | 84   | 729801     | 44.971   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.940%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.686          | 67   | 231500     | 45.061   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 90.120%  |        |          |
| 41) Toluene-d8                | 7.895          | 98   | 644016     | 43.950   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 87.900%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.177          | 79   | 106260     | 43.057   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 86.120%  |        |          |
| 47) 2-Hexanone-d5             | 8.631          | 63   | 142147     | 70.381   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 70.380%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753         | 84   | 372697     | 47.130   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 94.260%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190         | 152  | 260789     | 51.679   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 103.360% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.602          | 62   | 532647     | 125.053  | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.573          | 96   | 8394       | 2.410    | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 3.345          | 96   | 132805     | 37.292   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.657          | 96   | 10610159   | 2610.486 | ug/L   | 98       |
| 34) Trichloroethene           | 6.538          | 95   | 13239112   | 3017.857 | ug/L   | 98       |
| 46) Tetrachloroethene         | 8.554          | 164  | 18741165m  | 5966.799 | ug/L   |          |
| 51) Chlorobenzene             | 9.448          | 112  | 9987       | 0.912    | ug/L # | 82       |
| -----                         |                |      |            |          |        |          |

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

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