

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100421\  
 Data File : VU045101.D  
 Acq On : 04 Oct 2021 17:08  
 Operator : SY/MD  
 Sample : M3996-09  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F4A27

Quant Time: Oct 05 02:46:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 05 02:41:56 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 245497     | 50.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 233155     | 50.00   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816         | 152  | 110497     | 50.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 91672      | 34.11   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 68.22%  |        |          |
| 7) Chloroethane-d5            | 1.906          | 69   | 85530      | 40.16   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 80.32%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.568          | 63   | 133860     | 29.66   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 59.32%# |        |          |
| 21) 2-Butanone-d5             | 4.623          | 46   | 230105     | 108.30  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 108.30% |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 193220     | 45.52   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.04%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.706          | 65   | 137862     | 47.95   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.90%  |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 380121     | 46.98   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.96%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 127622     | 48.38   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 96.76%  |        |          |
| 41) Toluene-d8                | 7.903          | 98   | 331147     | 47.43   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.86%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 57426      | 48.94   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 97.88%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 165099     | 112.93  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 112.93% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 203214     | 49.47   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 98.94%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 124674     | 51.85   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 103.70% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 17) trans-1,2-Dichloroethene  | 3.359          | 96   | 3731       | 1.86    | ug/L   | 87       |
| 18) Methyl tert-butyl Ether   | 3.369          | 73   | 81700      | 12.37   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.671          | 96   | 6491       | 2.94    | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 5.800          | 62   | 6223       | 1.80    | ug/L # | 93       |
| 33) Benzene                   | 5.777          | 78   | 9114       | 1.05    | ug/L   | 100      |
| 34) Trichloroethene           | 6.546          | 95   | 50681      | 24.40   | ug/L   | 98       |
| 42) Toluene                   | 7.973          | 91   | 10223      | 1.16    | ug/L   | 95       |
| 46) Tetrachloroethene         | 8.558          | 164  | 2882338    | 1941.47 | ug/L   | 97       |
| -----                         |                |      |            |         |        |          |

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

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