

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121321\  
 Data File : VU046341.D  
 Acq On : 14 Dec 2021 00:57  
 Operator : SY/MD  
 Sample : M5023-20ME 20X  
 Misc : 6.26g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BGKZ8ME

Quant Time: Dec 14 03:56:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 14 03:19:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|-------|----------|
| -----                         |         |       |          |          |       |          |
| Internal Standards            |         |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 181889   | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.426   | 117   | 188788   | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.822  | 152   | 89985    | 50.000   | ug/L  | 0.00     |
|                               |         |       |          |          |       |          |
| System Monitoring Compounds   |         |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 50944    | 34.001   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =     | 68.000%  |
| 7) Chloroethane-d5            | 1.916   | 69    | 33475    | 29.099   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =     | 58.200%# |
| 11) 1,1-Dichloroethene-d2     | 2.549   | 63    | 61810    | 22.980   | ug/L  | -0.03    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 45.960%# |
| 21) 2-Butanone-d5             | 4.665   | 46    | 67590    | 56.747   | ug/L  | 0.03     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =     | 56.750%  |
| 24) Chloroform-d              | 5.066   | 84    | 80872    | 32.322   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 64.640%# |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 63240    | 37.661   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 75.320%  |
| 32) Benzene-d6                | 5.726   | 84    | 184737   | 34.141   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 68.280%# |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 58798    | 35.062   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =     | 70.120%  |
| 41) Toluene-d8                | 7.899   | 98    | 164026   | 33.293   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 66.580%# |
| 43) trans-1,3-Dichloroprop... | 8.185   | 79    | 28431    | 35.121   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 70.240%  |
| 47) 2-Hexanone-d5             | 8.687   | 63    | 55639    | 69.977   | ug/L  | 0.05     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =     | 69.980%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.774  | 84    | 87846    | 34.542   | ug/L  | 0.02     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =     | 69.080%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.201  | 152   | 60584    | 34.960   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 69.920%# |
|                               |         |       |          |          |       |          |
| Target Compounds              |         |       |          |          |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.562   | 96    | 8059     | 6.408    | ug/L  | # 1      |
| 19) 1,1-Dichloroethane        | 3.861   | 63    | 22358    | 9.239    | ug/L  | 95       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 1835     | 1.271    | ug/L  | 84       |
| 22) 2-Butanone                | 4.745   | 43    | 12971m   | 8.004    | ug/L  |          |
| 25) Chloroform                | 5.089   | 83    | 14719    | 5.474    | ug/L  | 96       |
| 34) Trichloroethene           | 6.542   | 95    | 50057    | 33.254   | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.555   | 164   | 295076   | 266.748  | ug/L  | 99       |
| -----                         |         |       |          |          |       |          |

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

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