

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121521\  
 Data File : VU046395.D  
 Acq On : 15 Dec 2021 14:22  
 Operator : SY/MD  
 Sample : M4997-12  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5S4

Quant Time: Dec 16 03:10:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 16 02:25:11 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 145398   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 148850   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 86828    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 53372    | 44.562   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.120%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 32838    | 35.709   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 71.420%  |
| 11) 1,1-Dichloroethene-d2     | 2.581   | 63    | 91138    | 42.387   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.780%  |
| 21) 2-Butanone-d5             | 4.649   | 46    | 94402    | 99.149   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 99.150%  |
| 24) Chloroform-d              | 5.067   | 84    | 85674    | 42.834   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 85.660%  |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65    | 58577    | 43.639   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.280%  |
| 32) Benzene-d6                | 5.732   | 84    | 160439   | 37.606   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 75.220%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 54560    | 41.264   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 82.520%  |
| 41) Toluene-d8                | 7.899   | 98    | 137091   | 35.292   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 70.580%# |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 26118    | 40.920   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.840%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 66328    | 105.802  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 105.800% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 92828    | 46.294   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 92.580%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 65905    | 39.413   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 78.820%# |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.607   | 62    | 2032569  | 1424.711 | ug/L   | 99       |
| 8) Chloroethane               | 1.941   | 64    | 103969   | 125.866  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.591   | 96    | 69118    | 68.751   | ug/L # | 84       |
| 13) Acetone                   | 2.662   | 43    | 4994     | 4.197    | ug/L   | 67       |
| 16) Methylene chloride        | 3.054   | 84    | 8203     | 6.858    | ug/L   | 100      |
| 17) trans-1,2-Dichloroethene  | 3.362   | 96    | 149581   | 140.594  | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.880   | 63    | 9662990  | 4995.247 | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.674   | 96    | 9495869  | 8225.696 | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 5.800   | 62    | 40449    | 25.361   | ug/L   | 100      |
| 29) Cyclohexane               | 5.395   | 56    | 2186     | 1.261    | ug/L   | 86       |
| 30) 1,1,1-Trichloroethane     | 5.321   | 97    | 477603   | 261.393  | ug/L   | 100      |
| 33) Benzene                   | 5.777   | 78    | 47270    | 10.493   | ug/L   | 100      |
| 34) Trichloroethene           | 6.546   | 95    | 441668   | 372.138  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.767   | 83    | 2626     | 1.427    | ug/L   | 98       |
| 42) Toluene                   | 7.970   | 91    | 163767   | 33.877   | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401   | 97    | 20763    | 17.536   | ug/L   | 97       |
| 46) Tetrachloroethene         | 8.555   | 164   | 49007    | 56.189   | ug/L   | 95       |
| 52) Ethylbenzene              | 9.571   | 91    | 489968   | 94.179   | ug/L   | 99       |
| 53) m,p-Xylene                | 9.693   | 106   | 418813   | 206.422  | ug/L   | 100      |

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 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 16 02:25:11 2021  
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| Compound                   | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|----------------------------|--------|------|----------|---------|-------|----------|
| 54) o-xylene               | 10.102 | 106  | 459787   | 233.546 | ug/L  | 100      |
| 61) Isopropylbenzene       | 10.484 | 105  | 156861   | 27.766  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene | 11.089 | 105  | 594682   | 126.291 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene | 11.471 | 105  | 2933040  | 622.577 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene    | 12.211 | 146  | 75555    | 27.959  | ug/L  | 99       |

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

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