

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020321\  
 Data File : VU042247.D  
 Acq On : 03 Feb 2021 21:02  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00530

Quant Time: Feb 04 04:28:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR012021WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Feb 04 04:20:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.259  | 114   | 97624    | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 91744    | 5.00     | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 50447    | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 30742    | 4.88     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 97.60%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 25506    | 5.03     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.60%  |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 63    | 73524    | 5.30     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 106.00%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 125430   | 54.58    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.16%  |
| 24) Chloroform-d              | 5.073  | 84    | 69086    | 5.25     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.00%  |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 41744    | 5.31     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.20%  |
| 32) Benzene-d6                | 5.739  | 84    | 125218   | 5.23     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.60%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 41219    | 5.33     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 106.60%  |
| 41) Toluene-d8                | 7.906  | 98    | 118395   | 5.23     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.60%  |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 17685    | 4.52     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.40%   |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 91850    | 53.86    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.72%  |
| 57) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 34941    | 5.27     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.40%  |
| 64) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 47436    | 5.23     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.60%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 42957    | 4.67     | ug/L   | 100      |
| 3) Chloromethane              | 1.523  | 50    | 38256    | 4.67     | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607  | 62    | 37326    | 4.75     | ug/L   | 98       |
| 6) Bromomethane               | 1.864  | 94    | 21717    | 4.67     | ug/L   | 99       |
| 8) Chloroethane               | 1.941  | 64    | 22651    | 4.97     | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 58502    | 5.49     | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 35948    | 5.22     | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 33941    | 5.13     | ug/L   | 92       |
| 13) Acetone                   | 2.658  | 43    | 84996    | 55.53    | ug/L   | 98       |
| 14) Carbon disulfide          | 2.800  | 76    | 99877    | 4.55     | ug/L   | 99       |
| 15) Methyl Acetate            | 2.967  | 43    | 19811    | 5.49     | ug/L   | 99       |
| 16) Methylene chloride        | 3.054  | 84    | 36812    | 4.72     | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.375  | 73    | 99901    | 5.22     | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.362  | 96    | 35132    | 4.99     | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 69320    | 5.33     | ug/L   | 99       |
| 21) 2-Butanone                | 4.729  | 43    | 141606   | 55.23    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 38849    | 5.17     | ug/L   | 100      |
| 23) Bromochloromethane        | 4.983  | 128   | 18124    | 5.23     | ug/L   | 88       |
| 25) Chloroform                | 5.099  | 83    | 71073    | 5.30     | ug/L   | 97       |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00530

Quant Time: Feb 04 04:28:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR012021WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Feb 04 04:20:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 53742    | 5.65  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 64588    | 5.34  | ug/L  | 99       |
| 30) Cyclohexane               | 5.398  | 56   | 64622    | 4.97  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 55628    | 5.22  | ug/L  | 99       |
| 33) Benzene                   | 5.784  | 78   | 146391   | 5.42  | ug/L  | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 39033    | 5.36  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.771  | 83   | 61584    | 5.04  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 40202    | 5.65  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.115  | 83   | 51860    | 5.28  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 58157    | 4.97  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 339387   | 55.81 | ug/L  | 98       |
| 42) Toluene                   | 7.976  | 91   | 156670   | 5.36  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.221  | 75   | 52636    | 4.91  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.411  | 97   | 28821    | 5.48  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.562  | 164  | 31654    | 5.23  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.693  | 43   | 248061   | 58.67 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.819  | 129  | 36064    | 5.15  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 28687    | 5.28  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.455  | 112  | 98993    | 5.30  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.578  | 91   | 175638   | 5.24  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.700  | 106  | 65144    | 5.19  | ug/L  | 99       |
| 54) o-Xylene                  | 10.108 | 106  | 64944    | 5.34  | ug/L  | 100      |
| 55) Styrene                   | 10.121 | 104  | 108339   | 5.17  | ug/L  | 99       |
| 56) Isopropylbenzene          | 10.491 | 105  | 175217   | 5.21  | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 37977    | 5.65  | ug/L  | 98       |
| 59) 1,2,3-Trichloropropane    | 10.832 | 75   | 28115    | 5.60  | ug/L  | 99       |
| 61) Bromoform                 | 10.298 | 173  | 22612    | 4.96  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene       | 11.754 | 146  | 83192    | 5.28  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene       | 11.844 | 146  | 81319    | 5.16  | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene       | 12.221 | 146  | 81110    | 5.54  | ug/L  | 98       |
| 66) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 7085     | 5.42  | ug/L  | 93       |
| 67) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 68654    | 5.45  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene    | 13.851 | 180  | 57131    | 5.73  | ug/L  | 100      |
| 69) Naphthalene               | 14.095 | 128  | 97165    | 6.67  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene    | 14.340 | 180  | 51897    | 5.88  | ug/L  | 99       |

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

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