

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051721\  
 Data File : VU043781.D  
 Acq On : 17 May 2021 10:01  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005144

Quant Time: May 17 11:38:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 15 00:49:19 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.260  | 114   | 238988   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 236348   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 128046   | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 84027    | 4.77     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 95.40%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 61235    | 4.98     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.60%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 36279    | 4.96     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 99.20%   |
| 20) 2-Butanone-d5             | 4.645  | 46    | 158480   | 47.30    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.60%   |
| 24) Chloroform-d              | 5.073  | 84    | 146185   | 5.10     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.00%  |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 72923    | 4.97     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.40%   |
| 32) Benzene-d6                | 5.735  | 84    | 303821   | 5.06     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.20%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 93294    | 4.88     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.60%   |
| 41) Toluene-d8                | 7.906  | 98    | 284178   | 5.13     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.60%  |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79    | 35795    | 5.04     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 100.80%  |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 161427   | 50.47    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.94%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 77139    | 4.92     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.40%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 103357   | 4.84     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.80%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 93689    | 5.38     | ug/L   | 99       |
| 3) Chloromethane              | 1.523  | 50    | 102929   | 5.04     | ug/L   | 100      |
| 5) Vinyl chloride             | 1.607  | 62    | 108215   | 5.34     | ug/L   | 99       |
| 6) Bromomethane               | 1.864  | 94    | 60966    | 5.10     | ug/L   | 99       |
| 8) Chloroethane               | 1.941  | 64    | 61042    | 5.35     | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 130260   | 5.53     | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 88994    | 5.55     | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 88176    | 5.59     | ug/L   | 97       |
| 13) Acetone                   | 2.655  | 43    | 108906   | 51.20    | ug/L   | 99       |
| 14) Carbon disulfide          | 2.803  | 76    | 283158   | 5.37     | ug/L   | 100      |
| 15) Methyl Acetate            | 2.964  | 43    | 33415    | 5.28     | ug/L   | 100      |
| 16) Methylene chloride        | 3.054  | 84    | 100103   | 4.28     | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.372  | 73    | 189924   | 5.32     | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.363  | 96    | 89831    | 5.42     | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 161293   | 5.39     | ug/L   | 98       |
| 21) 2-Butanone                | 4.726  | 43    | 204946   | 50.38    | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 94227    | 5.41     | ug/L   | 99       |
| 23) Bromochloromethane        | 4.986  | 128   | 46060    | 5.61     | ug/L   | 95       |
| 25) Chloroform                | 5.099  | 83    | 164522   | 5.55     | ug/L   | 99       |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005144

Quant Time: May 17 11:38:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 15 00:49:19 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.806  | 62   | 102591   | 5.61  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 134140   | 5.44  | ug/L  | 99       |
| 30) Cyclohexane               | 5.398  | 56   | 142241   | 5.20  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.536  | 117  | 113244   | 5.50  | ug/L  | 99       |
| 33) Benzene                   | 5.784  | 78   | 374732   | 5.48  | ug/L  | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 94035    | 5.36  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.774  | 83   | 145797   | 5.35  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 96881    | 5.42  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.115  | 83   | 115302   | 5.53  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 128811   | 5.42  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 604335   | 52.99 | ug/L  | 98       |
| 42) Toluene                   | 7.976  | 91   | 401608   | 5.59  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 112456   | 5.49  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.411  | 97   | 72440    | 5.64  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.562  | 164  | 78355    | 5.53  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.694  | 43   | 452803   | 53.52 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.819  | 129  | 81728    | 5.70  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 67764    | 5.61  | ug/L  | 96       |
| 51) Chlorobenzene             | 9.452  | 112  | 244335   | 5.45  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.578  | 91   | 395142   | 5.38  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.700  | 106  | 155913   | 5.58  | ug/L  | 99       |
| 54) o-Xylene                  | 10.108 | 106  | 150936   | 5.66  | ug/L  | 96       |
| 55) Styrene                   | 10.121 | 104  | 258260   | 5.74  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 89839    | 5.51  | ug/L  | 99       |
| 59) Bromoform                 | 10.298 | 173  | 48729    | 5.65  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.491 | 105  | 387739   | 5.51  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.832 | 75   | 64409    | 5.27  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 308314   | 5.45  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 323282   | 5.58  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 200069   | 5.53  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.841 | 146  | 197828   | 5.44  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 191294   | 5.50  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 13096    | 5.22  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 153369   | 5.31  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 120562   | 5.06  | ug/L  | 100      |
| 71) Naphthalene               | 14.092 | 128  | 199941   | 4.76  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 116865   | 5.18  | ug/L  | 100      |

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

