

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121124\  
 Data File : VU062272.D  
 Acq On : 12 Dec 2024 05:15  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005182

Quant Time: Dec 12 05:59:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 12 01:45:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 93525    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 88377    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 47233    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 24209    | 3.838    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.800%  |
| 7) Chloroethane-d5            | 1.908  | 69    | 20147    | 4.490    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 11676    | 3.891    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 77.800%  |
| 20) 2-Butanone-d5             | 4.628  | 46    | 67464    | 55.802   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 111.600% |
| 24) Chloroform-d              | 5.052  | 84    | 65264    | 4.780    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 34147    | 5.086    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.800% |
| 32) Benzene-d6                | 5.718  | 84    | 110844   | 4.355    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 33539    | 4.605    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.200%  |
| 41) Toluene-d8                | 7.888  | 98    | 101581   | 4.225    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.400%  |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 14280    | 4.455    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.000%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 53871    | 55.702   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 111.400% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 29050    | 5.126    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 102.600% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152   | 40067    | 4.603    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 42918    | 4.899    | ug/L   | 97       |
| 3) Chloromethane              | 1.515  | 50    | 33496    | 4.878    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.599  | 62    | 35124    | 4.913    | ug/L   | 96       |
| 6) Bromomethane               | 1.853  | 94    | 20774    | 4.359    | ug/L   | 99       |
| 8) Chloroethane               | 1.930  | 64    | 19437    | 4.854    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 62028    | 4.998    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 31527    | 4.668    | ug/L   | 91       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 30268    | 4.793    | ug/L   | 91       |
| 13) Acetone                   | 2.647  | 43    | 45340    | 55.080   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.785  | 76    | 91591    | 4.587    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.956  | 43    | 11261    | 5.458    | ug/L   | 92       |
| 16) Methylene chloride        | 3.036  | 84    | 35181    | 5.307    | ug/L   | 88       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 84007    | 5.340    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 31933    | 4.922    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 61672    | 5.186    | ug/L   | 97       |
| 21) 2-Butanone                | 4.708  | 43    | 69834    | 58.417   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96    | 36908    | 5.075    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.965  | 128   | 17642    | 5.534    | ug/L # | 80       |
| 25) Chloroform                | 5.075  | 83    | 70225    | 5.242    | ug/L   | 99       |

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 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005182

Quant Time: Dec 12 05:59:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR120924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 12 01:45:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 45027    | 5.289  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 64299    | 5.172  | ug/L   | 94       |
| 30) Cyclohexane               | 5.377  | 56   | 44631    | 4.427  | ug/L   | 92       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 57199    | 5.017  | ug/L   | 100      |
| 33) Benzene                   | 5.763  | 78   | 136249   | 4.975  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 38806    | 5.002  | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.753  | 83   | 51460    | 4.474  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 34676    | 5.199  | ug/L # | 94       |
| 38) Bromodichloromethane      | 7.097  | 83   | 49994    | 5.313  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 49730    | 4.652  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 172996   | 55.344 | ug/L # | 92       |
| 42) Toluene                   | 7.959  | 91   | 150023   | 5.080  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 43727    | 5.009  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 27522    | 5.466  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.544  | 164  | 29439    | 4.915  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.676  | 43   | 126267   | 54.659 | ug/L # | 94       |
| 49) Dibromochloromethane      | 8.801  | 129  | 33141    | 5.448  | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 26096    | 5.394  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.438  | 112  | 94424    | 4.990  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.560  | 91   | 161040   | 4.864  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.685  | 106  | 61442    | 5.026  | ug/L   | 100      |
| 54) o-Xylene                  | 10.090 | 106  | 59446    | 5.000  | ug/L   | 98       |
| 55) Styrene                   | 10.107 | 104  | 98010    | 5.001  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 31602    | 5.393  | ug/L # | 96       |
| 59) Bromoform                 | 10.283 | 173  | 20179    | 5.436  | ug/L # | 96       |
| 60) Isopropylbenzene          | 10.476 | 105  | 163595   | 4.795  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 23327    | 5.341  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 136160   | 4.716  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 131801   | 4.659  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 76694    | 4.893  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 75606    | 4.790  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 71076    | 4.907  | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 5493     | 5.766  | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 55912    | 4.799  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 44704    | 4.860  | ug/L   | 100      |
| 71) Naphthalene               | 14.081 | 128  | 65405    | 4.735  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 39835    | 4.910  | ug/L   | 99       |

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

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