

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112024\  
 Data File : VV038201.D  
 Acq On : 20 Nov 2024 08:33  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005307

Quant Time: Nov 21 01:39:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 19 22:47:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.526  | 114   | 245228   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117   | 257351   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 145315   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 85707    | 4.560    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 91.200%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 71260    | 4.687    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 93.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 38760    | 4.792    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 95.800%  |
| 20) 2-Butanone-d5             | 3.812  | 46    | 176932   | 47.055   | ug/L  | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 94.100%  |
| 24) Chloroform-d              | 4.240  | 84    | 175169   | 4.802    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 96.000%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 79097    | 4.832    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 96.600%  |
| 32) Benzene-d6                | 4.950  | 84    | 311952   | 4.690    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 93.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 93524    | 4.569    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 91.400%  |
| 41) Toluene-d8                | 7.233  | 98    | 301355   | 4.896    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 98.000%  |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79    | 37404    | 4.916    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 98.400%  |
| 46) 2-Hexanone-d5             | 8.021  | 63    | 139422   | 47.135   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 94.260%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 83720    | 4.818    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 96.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 109290   | 4.414    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 88.200%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          | Qvalue   |       |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 127051   | 5.476    | ug/L  | 100      |
| 3) Chloromethane              | 1.211  | 50    | 107242   | 5.368    | ug/L  | 96       |
| 5) Vinyl chloride             | 1.278  | 62    | 120191   | 5.309    | ug/L  | 96       |
| 6) Bromomethane               | 1.484  | 94    | 55292    | 6.264    | ug/L  | 96       |
| 8) Chloroethane               | 1.545  | 64    | 78262    | 5.425    | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 179739   | 5.579    | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101   | 102490   | 5.574    | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.063  | 96    | 94252    | 5.381    | ug/L  | 88       |
| 13) Acetone                   | 2.146  | 43    | 150666   | 54.178   | ug/L  | 97       |
| 14) Carbon disulfide          | 2.233  | 76    | 296804   | 5.260    | ug/L  | 99       |
| 15) Methyl Acetate            | 2.388  | 43    | 34243    | 5.070    | ug/L  | 100      |
| 16) Methylene chloride        | 2.439  | 84    | 104869   | 5.250    | ug/L  | 97       |
| 17) Methyl tert-butyl Ether   | 2.699  | 73    | 197458   | 4.986    | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 2.687  | 96    | 98186    | 5.321    | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.101  | 63    | 177427   | 5.297    | ug/L  | 100      |
| 21) 2-Butanone                | 3.889  | 43    | 182115   | 45.628   | ug/L  | 93       |
| 22) cis-1,2-Dichloroethene    | 3.805  | 96    | 96908    | 5.079    | ug/L  | 98       |
| 23) Bromochloromethane        | 4.140  | 128   | 49271    | 5.289    | ug/L  | 98       |
| 25) Chloroform                | 4.265  | 83    | 192441   | 5.371    | ug/L  | 97       |

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 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005307

Quant Time: Nov 21 01:39:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 19 22:47:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 107294   | 5.503  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.500  | 97   | 167870   | 5.439  | ug/L  | 99       |
| 30) Cyclohexane               | 4.571  | 56   | 130434   | 5.095  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.725  | 117  | 147147   | 5.404  | ug/L  | 99       |
| 33) Benzene                   | 4.998  | 78   | 394014   | 5.451  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 102705   | 5.212  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.040  | 83   | 147691   | 5.298  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 93958    | 5.189  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.426  | 83   | 130219   | 5.350  | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 128424   | 5.081  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.149  | 43   | 518994   | 54.764 | ug/L  | 99       |
| 42) Toluene                   | 7.307  | 91   | 433747   | 5.666  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 116131   | 5.439  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 78638    | 5.355  | ug/L  | 96       |
| 47) Tetrachloroethene         | 7.895  | 164  | 84302    | 5.324  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.069  | 43   | 387187   | 56.340 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.169  | 129  | 88220    | 5.510  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 75704    | 5.561  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.809  | 112  | 275079   | 5.215  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 426289   | 5.249  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.066  | 106  | 167793   | 5.475  | ug/L  | 96       |
| 54) o-Xylene                  | 9.471  | 106  | 157113   | 5.266  | ug/L  | 99       |
| 55) Styrene                   | 9.490  | 104  | 297893   | 5.664  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 93509    | 5.446  | ug/L  | 98       |
| 59) Bromoform                 | 9.661  | 173  | 45241    | 5.350  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.860  | 105  | 432810   | 5.171  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 66156    | 5.317  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 332380   | 5.005  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 332071   | 5.014  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 231935   | 5.161  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 235510   | 5.184  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 212733   | 5.114  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 13950    | 4.995  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 154223   | 4.844  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 125682   | 4.776  | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 162722   | 3.975  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 114179   | 4.696  | ug/L  | 100      |

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

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Sample : VSTDCCC005  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_V  
ClientSampleId :  
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