

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111224\  
 Data File : VV038021.D  
 Acq On : 12 Nov 2024 14:58  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005301

Quant Time: Nov 13 00:31:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 13 00:23:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.526  | 114   | 311458   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117   | 314772   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 168777   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 114583   | 4.226    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 84.600%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 93240    | 4.219    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 84.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.050  | 65    | 50181    | 4.224    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 84.400%  |
| 20) 2-Butanone-d5             | 3.812  | 46    | 250447   | 40.201   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 80.400%  |
| 24) Chloroform-d              | 4.236  | 84    | 226422   | 4.431    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 88.600%  |
| 26) 1,2-Dichloroethane-d4     | 4.934  | 65    | 104201   | 4.293    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 85.800%  |
| 32) Benzene-d6                | 4.950  | 84    | 435948   | 4.483    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 89.600%  |
| 36) 1,2-Dichloropropane-d6    | 5.979  | 67    | 128848   | 4.229    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 84.600%  |
| 41) Toluene-d8                | 7.233  | 98    | 407460   | 4.581    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 91.600%  |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79    | 52673    | 4.264    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 85.200%  |
| 46) 2-Hexanone-d5             | 8.021  | 63    | 234720   | 42.513   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 85.020%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 104307   | 4.139    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 82.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.551 | 152   | 152391   | 4.343    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 86.800%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          | Qvalue   |       |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 158697   | 4.673    | ug/L  | 98       |
| 3) Chloromethane              | 1.211  | 50    | 146303   | 4.644    | ug/L  | 99       |
| 5) Vinyl chloride             | 1.278  | 62    | 147921   | 4.678    | ug/L  | 99       |
| 6) Bromomethane               | 1.484  | 94    | 94945    | 4.716    | ug/L  | 99       |
| 8) Chloroethane               | 1.545  | 64    | 88753    | 4.632    | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 208698   | 4.775    | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.060  | 101   | 117761   | 4.667    | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.060  | 96    | 112293   | 4.743    | ug/L  | 96       |
| 13) Acetone                   | 2.150  | 43    | 175547   | 39.531   | ug/L  | 99       |
| 14) Carbon disulfide          | 2.230  | 76    | 376061   | 4.845    | ug/L  | 100      |
| 15) Methyl Acetate            | 2.384  | 43    | 39214    | 4.044    | ug/L  | 95       |
| 16) Methylene chloride        | 2.439  | 84    | 125410   | 4.472    | ug/L  | 95       |
| 17) Methyl tert-butyl Ether   | 2.696  | 73    | 270719   | 4.693    | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 2.687  | 96    | 122767   | 4.792    | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 3.101  | 63    | 217835   | 4.732    | ug/L  | 99       |
| 21) 2-Butanone                | 3.892  | 43    | 242345   | 40.411   | ug/L  | 96       |
| 22) cis-1,2-Dichloroethene    | 3.802  | 96    | 130991   | 4.865    | ug/L  | 97       |
| 23) Bromochloromethane        | 4.137  | 128   | 59944    | 4.847    | ug/L  | 97       |
| 25) Chloroform                | 4.265  | 83    | 230061   | 4.734    | ug/L  | 99       |

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 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005301

Quant Time: Nov 13 00:31:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 13 00:23:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 128615   | 4.706  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.497  | 97   | 201473   | 4.741  | ug/L  | 98       |
| 30) Cyclohexane               | 4.571  | 56   | 183795   | 4.885  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.722  | 117  | 180178   | 4.869  | ug/L  | 99       |
| 33) Benzene                   | 4.998  | 78   | 488046   | 4.875  | ug/L  | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 130545   | 4.770  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.040  | 83   | 200414   | 4.850  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.082  | 63   | 117237   | 4.734  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.423  | 83   | 155009   | 4.711  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 183723   | 4.976  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.149  | 43   | 624428   | 44.847 | ug/L  | 99       |
| 42) Toluene                   | 7.307  | 91   | 523471   | 5.005  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 151666   | 4.839  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 90272    | 4.544  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.895  | 164  | 103084   | 4.800  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.069  | 43   | 459510   | 45.872 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.169  | 129  | 101324   | 4.731  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 86677    | 4.596  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.805  | 112  | 345506   | 4.849  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.937  | 91   | 562203   | 4.949  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.066  | 106  | 218910   | 5.111  | ug/L  | 98       |
| 54) o-Xylene                  | 9.471  | 106  | 209596   | 5.056  | ug/L  | 98       |
| 55) Styrene                   | 9.487  | 104  | 372824   | 5.164  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 107675   | 4.541  | ug/L  | 99       |
| 59) Bromoform                 | 9.661  | 173  | 52774    | 4.756  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.860  | 105  | 567657   | 5.042  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 72966    | 4.425  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 451238   | 5.004  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 457893   | 5.068  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 281826   | 4.853  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 289322   | 4.842  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 258798   | 4.765  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 16274    | 4.354  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 199893   | 4.680  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 178094   | 4.696  | ug/L  | 98       |
| 71) Naphthalene               | 13.432 | 128  | 286638   | 4.152  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 163400   | 4.565  | ug/L  | 99       |

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

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