

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV012125\  
 Data File : VV038494.D  
 Acq On : 21 Jan 2025 19:25  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005331

Quant Time: Jan 22 02:59:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011725WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 22 02:52:26 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.526  | 114   | 233247   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117   | 241153   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.175 | 152   | 127498   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 78020    | 4.056    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.200%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 72152    | 4.467    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65    | 35448    | 4.090    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 81.800%  |
| 20) 2-Butanone-d5             | 3.809  | 46    | 196407   | 48.549   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 97.100%  |
| 24) Chloroform-d              | 4.240  | 84    | 167849   | 4.656    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.200%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 74967    | 4.538    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.800%  |
| 32) Benzene-d6                | 4.950  | 84    | 312200   | 4.700    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 93814    | 4.647    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.000%  |
| 41) Toluene-d8                | 7.233  | 98    | 282109   | 4.729    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.600%  |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79    | 33358    | 4.517    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.400%  |
| 46) 2-Hexanone-d5             | 8.021  | 63    | 132052   | 45.324   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 90.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143 | 84    | 79045    | 4.939    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.551 | 152   | 98725    | 4.575    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 125922   | 4.820    | ug/L   | 100      |
| 3) Chloromethane              | 1.214  | 50    | 131324   | 4.912    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.281  | 62    | 134717   | 4.988    | ug/L   | 96       |
| 6) Bromomethane               | 1.487  | 94    | 66515    | 4.923    | ug/L   | 98       |
| 8) Chloroethane               | 1.548  | 64    | 80222    | 4.957    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 171400   | 4.986    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101   | 97855    | 4.980    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96    | 92161    | 4.765    | ug/L   | 96       |
| 13) Acetone                   | 2.146  | 43    | 142938   | 45.409   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.236  | 76    | 315417   | 4.854    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.384  | 43    | 36111    | 4.490    | ug/L   | 92       |
| 16) Methylene chloride        | 2.442  | 84    | 101860   | 4.752    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.696  | 73    | 192069   | 4.720    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96    | 98507    | 4.954    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.105  | 63    | 189446   | 5.006    | ug/L   | 98       |
| 21) 2-Butanone                | 3.886  | 43    | 216112   | 48.399   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.805  | 96    | 98911    | 4.892    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.143  | 128   | 45021    | 4.894    | ug/L   | 98       |
| 25) Chloroform                | 4.265  | 83    | 186979   | 4.998    | ug/L   | 98       |

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 Sample : VSTDCCC005EC  
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 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005331

Quant Time: Jan 22 02:59:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011725WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jan 22 02:52:26 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 105881   | 5.089  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.500  | 97   | 160648   | 5.011  | ug/L  | 96       |
| 30) Cyclohexane               | 4.571  | 56   | 149278   | 5.112  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 139952   | 4.939  | ug/L  | 100      |
| 33) Benzene                   | 5.002  | 78   | 407276   | 5.319  | ug/L  | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 101282   | 5.089  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.040  | 83   | 153028   | 5.045  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.082  | 63   | 102752   | 5.196  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.423  | 83   | 128298   | 5.002  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 132593   | 4.864  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.149  | 43   | 532026   | 51.996 | ug/L  | 99       |
| 42) Toluene                   | 7.307  | 91   | 424862   | 5.324  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 114264   | 4.947  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 70969    | 4.989  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.895  | 164  | 74572    | 4.841  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.069  | 43   | 390614   | 52.725 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.165  | 129  | 78562    | 4.798  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 66253    | 5.006  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.805  | 112  | 267719   | 4.985  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.937  | 91   | 441065   | 5.138  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.062  | 106  | 168830   | 5.188  | ug/L  | 94       |
| 54) o-Xylene                  | 9.468  | 106  | 159568   | 5.146  | ug/L  | 99       |
| 55) Styrene                   | 9.487  | 104  | 285164   | 5.274  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 87669    | 5.061  | ug/L  | 99       |
| 59) Bromoform                 | 9.657  | 173  | 38110    | 4.286  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.857  | 105  | 435416   | 5.075  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 57541    | 4.697  | ug/L  | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 328282   | 4.886  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.841 | 105  | 334472   | 4.985  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.107 | 146  | 210799   | 4.953  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 212284   | 4.824  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 194083   | 4.870  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.355 | 75   | 11798    | 4.660  | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 138608   | 4.735  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.188 | 180  | 96098    | 4.417  | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 112591   | 3.493  | ug/L  | 97       |
| 72) 1,2,3-Trichlorobenzene    | 13.670 | 180  | 81369    | 4.326  | ug/L  | 98       |

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

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