

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011224\  
 Data File : VW033607.D  
 Acq On : 12 Jan 2024 19:54  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005321

Quant Time: Jan 12 23:49:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 12 23:30:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.538  | 114   | 130211   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 118646   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 61840    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 34502    | 4.845    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 97.000%  |
| 7) Chloroethane-d5            | 1.535  | 69    | 31266    | 4.951    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.059  | 65    | 15456    | 4.817    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.400%  |
| 20) 2-Butanone-d5             | 3.821  | 46    | 96893    | 55.657   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 111.320% |
| 24) Chloroform-d              | 4.252  | 84    | 77455    | 5.030    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.600% |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 35990    | 5.213    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.200% |
| 32) Benzene-d6                | 4.963  | 84    | 143873   | 5.026    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.600% |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 46948    | 4.919    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.400%  |
| 41) Toluene-d8                | 7.243  | 98    | 128415   | 5.025    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.400% |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 16679    | 5.055    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 101.000% |
| 46) 2-Hexanone-d5             | 8.030  | 63    | 72587    | 56.030   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 112.060% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84    | 30484    | 5.466    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 109.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 47407    | 4.993    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 59339    | 5.002    | ug/L   | 97       |
| 3) Chloromethane              | 1.217  | 50    | 71002    | 4.992    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.285  | 62    | 68197    | 5.035    | ug/L   | 99       |
| 6) Bromomethane               | 1.490  | 94    | 32845    | 4.848    | ug/L   | 99       |
| 8) Chloroethane               | 1.551  | 64    | 41918    | 5.095    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.715  | 101   | 85020    | 5.166    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 46927    | 5.074    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.072  | 96    | 45837    | 4.994    | ug/L   | 97       |
| 13) Acetone                   | 2.146  | 43    | 64371    | 45.547   | ug/L   | 94       |
| 14) Carbon disulfide          | 2.243  | 76    | 169229   | 4.983    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.391  | 43    | 18629    | 5.515    | ug/L   | 100      |
| 16) Methylene chloride        | 2.449  | 84    | 56451    | 5.211    | ug/L   | 100      |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 114081   | 5.489    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 53972    | 5.205    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 105089   | 5.101    | ug/L   | 99       |
| 21) 2-Butanone                | 3.902  | 43    | 104340   | 53.187   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 56911    | 5.242    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.153  | 128   | 21004    | 5.305    | ug/L   | 95       |
| 25) Chloroform                | 4.278  | 83    | 99910    | 5.282    | ug/L   | 100      |

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 Sample : VSTDCCC005  
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 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005321

Quant Time: Jan 12 23:49:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 12 23:30:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 56969    | 5.285  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 88425    | 5.256  | ug/L  | 99       |
| 30) Cyclohexane               | 4.587  | 56   | 100950   | 5.007  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 74774    | 5.214  | ug/L  | 98       |
| 33) Benzene                   | 5.011  | 78   | 220330   | 5.231  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 56796    | 5.065  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.053  | 83   | 95541    | 5.034  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 54792    | 5.238  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.436  | 83   | 68157    | 5.345  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 78179    | 5.234  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 270969   | 56.348 | ug/L  | 99       |
| 42) Toluene                   | 7.316  | 91   | 233498   | 5.241  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 62782    | 5.215  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 31337    | 5.392  | ug/L  | 95       |
| 47) Tetrachloroethene         | 7.908  | 164  | 41218    | 5.116  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.079  | 43   | 192127   | 54.537 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.178  | 129  | 39050    | 5.396  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 29158    | 5.435  | ug/L  | 92       |
| 51) Chlorobenzene             | 8.815  | 112  | 141994   | 5.203  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 265784   | 5.147  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.075  | 106  | 96680    | 5.082  | ug/L  | 100      |
| 54) o-Xylene                  | 9.477  | 106  | 95708    | 5.169  | ug/L  | 97       |
| 55) Styrene                   | 9.496  | 104  | 154710   | 5.243  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 36371    | 5.702  | ug/L  | 98       |
| 59) Bromoform                 | 9.667  | 173  | 19678    | 5.272  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.866  | 105  | 244614   | 5.000  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 26217    | 5.289  | ug/L  | 93       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 212447   | 5.026  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 217793   | 5.103  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 110213   | 5.093  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 105003   | 4.956  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 95628    | 5.085  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 5929     | 5.442  | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 82473    | 4.909  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 65593    | 4.687  | ug/L  | 100      |
| 71) Naphthalene               | 13.442 | 128  | 84927    | 3.636  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 52828    | 4.707  | ug/L  | 99       |

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

