

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW021924\  
 Data File : VW034255.D  
 Acq On : 19 Feb 2024 19:59  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005359

Quant Time: Feb 20 03:32:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 20 01:47:35 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 70530    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 64698    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 34285    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 21363    | 3.911    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 78.200%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 19795    | 4.137    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 82.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 11087    | 4.209    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 84.200%  |
| 20) 2-Butanone-d5             | 3.818  | 46    | 44424    | 48.424   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.840%  |
| 24) Chloroform-d              | 4.253  | 84    | 45881    | 4.622    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65    | 22900    | 4.937    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.800%  |
| 32) Benzene-d6                | 4.963  | 84    | 83488    | 4.301    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.000%  |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 22457    | 4.139    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 82.800%  |
| 41) Toluene-d8                | 7.243  | 98    | 77412    | 4.339    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.800%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 9104     | 4.444    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.800%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 35992    | 49.210   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 98.420%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84    | 15189    | 4.617    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 28643    | 4.594    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 25272    | 3.910    | ug/L   | 96       |
| 3) Chloromethane              | 1.217  | 50    | 30232    | 4.288    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.285  | 62    | 29236    | 4.340    | ug/L   | 96       |
| 6) Bromomethane               | 1.491  | 94    | 13860    | 3.907    | ug/L   | 99       |
| 8) Chloroethane               | 1.552  | 64    | 19927    | 4.336    | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 53019    | 5.461    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101   | 26712    | 5.264    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 25916    | 5.260    | ug/L   | 96       |
| 13) Acetone                   | 2.137  | 43    | 38103    | 54.747   | ug/L # | 38       |
| 14) Carbon disulfide          | 2.240  | 76    | 75413    | 4.730    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.388  | 43    | 8096     | 4.915    | ug/L   | 97       |
| 16) Methylene chloride        | 2.449  | 84    | 39795    | 8.418    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 55457    | 5.478    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.693  | 96    | 25016    | 4.985    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.111  | 63    | 45090    | 4.890    | ug/L   | 94       |
| 21) 2-Butanone                | 3.892  | 43    | 44064    | 47.910   | ug/L # | 52       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 25830    | 4.537    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.153  | 128   | 10521    | 5.315    | ug/L   | 85       |
| 25) Chloroform                | 4.278  | 83    | 47509    | 5.097    | ug/L   | 98       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005359

Quant Time: Feb 20 03:32:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 20 01:47:35 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 30259    | 5.669  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 46914    | 5.401  | ug/L   | 100      |
| 30) Cyclohexane               | 4.580  | 56   | 37541    | 4.444  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 41061    | 5.403  | ug/L   | 99       |
| 33) Benzene                   | 5.011  | 78   | 97088    | 5.003  | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 26395    | 4.700  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.050  | 83   | 39403    | 4.470  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 22493    | 4.785  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.436  | 83   | 32130    | 5.207  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 6.957  | 75   | 30701    | 4.293  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 117421   | 52.166 | ug/L   | 98       |
| 42) Toluene                   | 7.314  | 91   | 106925   | 5.156  | ug/L   | 93       |
| 44) trans-1,3-Dichloropropene | 7.584  | 75   | 26946    | 4.907  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 14848    | 5.116  | ug/L   | 96       |
| 47) Tetrachloroethene         | 7.905  | 164  | 21330    | 4.674  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.079  | 43   | 83314    | 52.510 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.175  | 129  | 19102    | 5.538  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.285  | 107  | 13925    | 5.345  | ug/L # | 100      |
| 51) Chlorobenzene             | 8.815  | 112  | 66201    | 5.049  | ug/L   | 97       |
| 52) Ethylbenzene              | 8.947  | 91   | 121114   | 5.073  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 45757    | 5.072  | ug/L   | 98       |
| 54) o-Xylene                  | 9.477  | 106  | 45328    | 5.211  | ug/L   | 98       |
| 55) Styrene                   | 9.497  | 104  | 70909    | 5.091  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 16330    | 5.331  | ug/L   | 96       |
| 59) Bromoform                 | 9.667  | 173  | 9232     | 4.888  | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.866  | 105  | 117208   | 4.620  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 12211    | 5.181  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 102775   | 4.792  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.854 | 105  | 103665   | 4.975  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 56069    | 5.069  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 53679    | 4.901  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 49516    | 5.212  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 2748     | 5.563  | ug/L   | 86       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 41585    | 4.858  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.198 | 180  | 34897    | 5.222  | ug/L   | 97       |
| 71) Naphthalene               | 13.442 | 128  | 48833    | 5.577  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 29057    | 5.427  | ug/L   | 98       |

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

