

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100423\  
 Data File : VW032217.D  
 Acq On : 04 Oct 2023 09:20  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005386

Quant Time: Oct 05 01:35:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 30 04:24:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 109718   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117   | 107836   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 55758    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 44464    | 4.983    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 99.600%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 37778    | 5.216    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 104.400% |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 18227    | 4.843    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.800%  |
| 20) 2-Butanone-d5             | 3.818  | 46    | 98459    | 43.618   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 87.240%  |
| 24) Chloroform-d              | 4.249  | 84    | 80813    | 5.134    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.600% |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 37136    | 4.980    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 99.600%  |
| 32) Benzene-d6                | 4.960  | 84    | 158657   | 5.000    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.000% |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 48972    | 4.658    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.200%  |
| 41) Toluene-d8                | 7.246  | 98    | 142511   | 4.912    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.200%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 17927    | 4.812    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.200%  |
| 46) 2-Hexanone-d5             | 8.030  | 63    | 83409    | 47.586   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.180%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 35572    | 4.838    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 96.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 50833    | 4.913    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 61989    | 5.070    | ug/L   | 100      |
| 3) Chloromethane              | 1.214  | 50    | 59224    | 4.805    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.282  | 62    | 58119    | 4.944    | ug/L   | 97       |
| 6) Bromomethane               | 1.487  | 94    | 34426    | 4.848    | ug/L   | 99       |
| 8) Chloroethane               | 1.548  | 64    | 35092    | 4.958    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 71379    | 5.063    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101   | 43294    | 5.068    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 39860    | 4.954    | ug/L   | 92       |
| 13) Acetone                   | 2.150  | 43    | 80557    | 46.303   | ug/L   | 80       |
| 14) Carbon disulfide          | 2.240  | 76    | 134802   | 4.792    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.391  | 43    | 16601    | 4.239    | ug/L   | 96       |
| 16) Methylene chloride        | 2.445  | 84    | 46502    | 4.433    | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 100419   | 4.584    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.693  | 96    | 43206    | 4.688    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.111  | 63    | 83027    | 4.789    | ug/L   | 99       |
| 21) 2-Butanone                | 3.902  | 43    | 118374   | 43.509   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 46187    | 4.654    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.150  | 128   | 20289    | 4.860    | ug/L   | 95       |
| 25) Chloroform                | 4.278  | 83    | 78682    | 4.625    | ug/L   | 99       |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005386

Quant Time: Oct 05 01:35:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 30 04:24:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 47132    | 4.690  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 67948    | 4.634  | ug/L  | 98       |
| 30) Cyclohexane               | 4.584  | 56   | 73622    | 4.570  | ug/L  | 96       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 58873    | 4.746  | ug/L  | 99       |
| 33) Benzene                   | 5.011  | 78   | 177986   | 4.688  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 48074    | 4.638  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.050  | 83   | 75407    | 4.701  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 44863    | 4.418  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.436  | 83   | 56928    | 4.719  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.957  | 75   | 67524    | 4.673  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 287127   | 44.686 | ug/L  | 100      |
| 42) Toluene                   | 7.317  | 91   | 185962   | 4.595  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.584  | 75   | 53695    | 4.522  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 32499    | 4.537  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.905  | 164  | 35449    | 4.510  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.082  | 43   | 208923   | 46.085 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.178  | 129  | 35185    | 4.718  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 30726    | 4.535  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.815  | 112  | 118688   | 4.555  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.947  | 91   | 203932   | 4.525  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 76884    | 4.600  | ug/L  | 99       |
| 54) o-Xylene                  | 9.481  | 106  | 72197    | 4.483  | ug/L  | 97       |
| 55) Styrene                   | 9.500  | 104  | 127950   | 4.704  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.182 | 83   | 35010    | 4.442  | ug/L  | 98       |
| 59) Bromoform                 | 9.670  | 173  | 18857    | 4.651  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.870  | 105  | 200338   | 4.623  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 26104    | 4.399  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 159080   | 4.504  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.854 | 105  | 160886   | 4.576  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 93880    | 4.535  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 93608    | 4.507  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 86844    | 4.600  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 5003     | 4.126  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.587 | 180  | 67356    | 4.443  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 57777    | 4.297  | ug/L  | 99       |
| 71) Naphthalene               | 13.442 | 128  | 85478    | 3.742  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 49927    | 4.309  | ug/L  | 100      |

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

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