

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW091123\  
 Data File : VW032038.D  
 Acq On : 11 Sep 2023 19:59  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005385

Quant Time: Sep 12 06:02:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR082323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 09 21:51:31 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114   | 124072   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117   | 122552   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 66992    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 20458    | 4.882    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 97.600%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 25328    | 5.276    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 105.600% |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 11401    | 4.623    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.400%  |
| 20) 2-Butanone-d5             | 3.805  | 46    | 119301   | 58.812   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 117.620% |
| 24) Chloroform-d              | 4.256  | 84    | 65992    | 4.653    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.000%  |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65    | 33681    | 4.609    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.200%  |
| 32) Benzene-d6                | 4.966  | 84    | 125187   | 4.489    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.995  | 67    | 43663    | 4.440    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.800%  |
| 41) Toluene-d8                | 7.246  | 98    | 111198   | 4.297    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.000%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 12260    | 3.419    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 68.400%  |
| 46) 2-Hexanone-d5             | 8.030  | 63    | 89827    | 46.984   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.960%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 31669    | 4.489    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 89.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 40805    | 3.761    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 75.200%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 25020    | 3.531    | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50    | 32040    | 4.220    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.281  | 62    | 31433    | 4.040    | ug/L   | 96       |
| 6) Bromomethane               | 1.487  | 94    | 17672    | 3.634    | ug/L   | 96       |
| 8) Chloroethane               | 1.548  | 64    | 22018    | 4.431    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 40500    | 4.035    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 24832    | 4.148    | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 23007    | 4.119    | ug/L   | 92       |
| 13) Acetone                   | 2.130  | 43    | 60197    | 50.363   | ug/L   | 71       |
| 14) Carbon disulfide          | 2.240  | 76    | 56739    | 3.611    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.384  | 43    | 15759    | 6.470    | ug/L   | 97       |
| 16) Methylene chloride        | 2.449  | 84    | 34174    | 3.762    | ug/L   | 92       |
| 17) Methyl tert-butyl Ether   | 2.709  | 73    | 81188    | 4.685    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 27129    | 4.285    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 62660    | 4.805    | ug/L   | 99       |
| 21) 2-Butanone                | 3.889  | 43    | 96596    | 57.056   | ug/L   | 90       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 33847    | 4.641    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.159  | 128   | 13744    | 4.749    | ug/L   | 94       |
| 25) Chloroform                | 4.281  | 83    | 61542    | 4.630    | ug/L   | 97       |

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 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005385

Quant Time: Sep 12 06:02:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR082323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 09 21:51:31 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 37120    | 4.670  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.516  | 97   | 48475    | 4.095  | ug/L   | 98       |
| 30) Cyclohexane               | 4.590  | 56   | 45983    | 3.780  | ug/L   | 95       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 38779    | 4.050  | ug/L   | 98       |
| 33) Benzene                   | 5.018  | 78   | 124668   | 4.416  | ug/L   | 100      |
| 34) Trichloroethene           | 5.838  | 95   | 34005    | 4.121  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.053  | 83   | 43176    | 3.595  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 36592    | 4.705  | ug/L # | 94       |
| 38) Bromodichloromethane      | 6.439  | 83   | 43533    | 4.324  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 50132    | 4.237  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 259323   | 53.197 | ug/L   | 98       |
| 42) Toluene                   | 7.320  | 91   | 132257   | 4.217  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 41125    | 4.163  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 25285    | 4.542  | ug/L   | 100      |
| 47) Tetrachloroethene         | 7.911  | 164  | 21395    | 4.059  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.082  | 43   | 180622   | 49.593 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.182  | 129  | 25622    | 4.416  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 22739    | 4.517  | ug/L   | 98       |
| 51) Chlorobenzene             | 8.818  | 112  | 87676    | 4.415  | ug/L   | 97       |
| 52) Ethylbenzene              | 8.950  | 91   | 150103   | 4.163  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.079  | 106  | 55400    | 4.079  | ug/L   | 99       |
| 54) o-Xylene                  | 9.481  | 106  | 54636    | 4.163  | ug/L   | 97       |
| 55) Styrene                   | 9.500  | 104  | 96583    | 4.266  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 29387    | 5.214  | ug/L   | 93       |
| 59) Bromoform                 | 9.670  | 173  | 12498    | 3.948  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.870  | 105  | 148408   | 3.985  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 22765    | 4.614  | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 122006   | 3.822  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 122568   | 3.908  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 67139    | 4.071  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.214 | 146  | 68600    | 4.049  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 63764    | 4.225  | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 4529     | 4.052  | ug/L # | 85       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 48569    | 3.962  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 43691    | 3.909  | ug/L   | 97       |
| 71) Naphthalene               | 13.445 | 128  | 76584    | 3.638  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 37841    | 4.021  | ug/L   | 98       |

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

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