

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW031623\  
 Data File : VW030227.D  
 Acq On : 16 Mar 2023 16:55  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005305

Quant Time: Mar 17 05:49:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 17 05:46:57 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114   | 147158   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117   | 142603   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152   | 85193    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281  | 65    | 42332    | 4.446    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.000%  |
| 7) Chloroethane-d5            | 1.539  | 69    | 37177    | 4.159    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.069  | 63    | 86559    | 4.422    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 88.400%  |
| 20) 2-Butanone-d5             | 3.815  | 46    | 97144    | 55.336   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 110.680% |
| 24) Chloroform-d              | 4.262  | 84    | 86631    | 4.454    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.000%  |
| 26) 1,2-Dichloroethane-d4     | 4.957  | 65    | 42107    | 5.303    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.000% |
| 32) Benzene-d6                | 4.973  | 84    | 160614   | 4.186    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67    | 47969    | 4.155    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 83.200%  |
| 41) Toluene-d8                | 7.252  | 98    | 151956   | 4.178    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.600%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 18250    | 4.621    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.400%  |
| 46) 2-Hexanone-d5             | 8.034  | 63    | 76056    | 46.548   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.100%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84    | 36594    | 4.456    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 89.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152   | 56956    | 3.951    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 79.000%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 47345    | 3.954    | ug/L   | 100      |
| 3) Chloromethane              | 1.217  | 50    | 62972    | 3.338    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.285  | 62    | 50110    | 3.996    | ug/L   | 97       |
| 6) Bromomethane               | 1.494  | 94    | 15866    | 7.049    | ug/L   | 95       |
| 8) Chloroethane               | 1.555  | 64    | 31512    | 4.125    | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 1.719  | 101   | 76715    | 4.264    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.076  | 101   | 44104    | 3.953    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.076  | 96    | 37683    | 3.816    | ug/L # | 74       |
| 13) Acetone                   | 2.140  | 43    | 65344    | 50.360   | ug/L # | 62       |
| 14) Carbon disulfide          | 2.249  | 76    | 90740    | 3.434    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.391  | 43    | 14865    | 4.905    | ug/L   | 94       |
| 16) Methylene chloride        | 2.455  | 84    | 41983    | 3.480    | ug/L   | 91       |
| 17) Methyl tert-butyl Ether   | 2.715  | 73    | 87524    | 4.532    | ug/L # | 92       |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96    | 36924    | 3.930    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.124  | 63    | 80015    | 4.572    | ug/L   | 96       |
| 21) 2-Butanone                | 3.896  | 43    | 93475    | 53.566   | ug/L   | 85       |
| 22) cis-1,2-Dichloroethene    | 3.828  | 96    | 42252    | 4.069    | ug/L   | 89       |
| 23) Bromochloromethane        | 4.162  | 128   | 18310    | 4.126    | ug/L   | 90       |
| 25) Chloroform                | 4.291  | 83    | 82831    | 4.550    | ug/L   | 93       |

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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005305

Quant Time: Mar 17 05:49:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 17 05:46:57 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.056  | 62   | 49530    | 5.201  | ug/L # | 93       |
| 29) 1,1,1-Trichloroethane     | 4.526  | 97   | 74016    | 4.418  | ug/L   | 95       |
| 30) Cyclohexane               | 4.596  | 56   | 57486    | 3.972  | ug/L   | 94       |
| 31) Carbon tetrachloride      | 4.748  | 117  | 63906    | 4.244  | ug/L   | 100      |
| 33) Benzene                   | 5.024  | 78   | 162447   | 4.171  | ug/L   | 100      |
| 34) Trichloroethene           | 5.844  | 95   | 42814    | 3.923  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.063  | 83   | 60502    | 3.663  | ug/L   | 92       |
| 37) 1,2-Dichloropropane       | 6.104  | 63   | 43053    | 4.345  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.442  | 83   | 56334    | 4.454  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 6.966  | 75   | 56239    | 3.877  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 238930   | 58.439 | ug/L # | 90       |
| 42) Toluene                   | 7.326  | 91   | 179618   | 4.258  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 47527    | 4.198  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.780  | 97   | 29447    | 4.154  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.915  | 164  | 34906    | 3.726  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.085  | 43   | 168225   | 57.474 | ug/L   | 90       |
| 49) Dibromochloromethane      | 8.185  | 129  | 34750    | 4.189  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 27189    | 4.110  | ug/L # | 99       |
| 51) Chlorobenzene             | 8.825  | 112  | 115128   | 4.047  | ug/L   | 97       |
| 52) Ethylbenzene              | 8.956  | 91   | 192410   | 4.191  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.082  | 106  | 73023    | 4.139  | ug/L   | 97       |
| 54) o-Xylene                  | 9.487  | 106  | 71143    | 4.221  | ug/L   | 95       |
| 55) Styrene                   | 9.506  | 104  | 121864   | 4.348  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.188 | 83   | 35172    | 4.435  | ug/L   | 98       |
| 59) Bromoform                 | 9.673  | 173  | 20400    | 3.995  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.876  | 105  | 200559   | 4.091  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 24589    | 4.312  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 159837   | 3.970  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 167602   | 4.069  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.127 | 146  | 102722   | 4.025  | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 103022   | 4.001  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.590 | 146  | 89914    | 3.990  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 5788     | 4.545  | ug/L   | 84       |
| 69) 1,3,5-Trichlorobenzene    | 12.593 | 180  | 78172    | 3.726  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 62157    | 3.657  | ug/L   | 97       |
| 71) Naphthalene               | 13.451 | 128  | 83869    | 3.776  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 52938    | 3.783  | ug/L   | 98       |

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

