

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100322\  
 Data File : VW028314.D  
 Acq On : 04 Oct 2022 06:31  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005317

Quant Time: Oct 04 09:21:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 04 02:28:45 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 221489   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 217899   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 120445   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 74977    | 4.505    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 90.200%  |
| 7) Chloroethane-d5            | 1.565  | 69    | 66165    | 4.696    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 144224   | 4.598    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.000%  |
| 20) 2-Butanone-d5             | 3.912  | 46    | 160138   | 56.871   | ug/L   | 0.03     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 113.740% |
| 24) Chloroform-d              | 4.339  | 84    | 148329   | 4.920    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 67576    | 4.835    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.600%  |
| 32) Benzene-d6                | 5.044  | 84    | 303453   | 5.077    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.600% |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 86882    | 5.067    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.400% |
| 41) Toluene-d8                | 7.310  | 98    | 282355   | 5.136    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.800% |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 30507    | 4.671    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.400%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 143129   | 53.545   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.080% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.211 | 84    | 67695    | 5.208    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 104.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.619 | 152   | 100037   | 4.826    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 90373    | 5.072    | ug/L   | 90       |
| 3) Chloromethane              | 1.237  | 50    | 85623    | 5.072    | ug/L   | 94       |
| 5) Vinyl chloride             | 1.307  | 62    | 110355   | 5.805    | ug/L   | 99       |
| 6) Bromomethane               | 1.516  | 94    | 42283    | 4.683    | ug/L   | 99       |
| 8) Chloroethane               | 1.581  | 64    | 61545    | 4.857    | ug/L   | 89       |
| 9) Trichlorofluoromethane     | 1.748  | 101   | 137784   | 4.823    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111  | 101   | 77635    | 4.859    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 77924    | 4.905    | ug/L # | 70       |
| 13) Acetone                   | 2.214  | 43    | 104934   | 56.751   | ug/L   | 61       |
| 14) Carbon disulfide          | 2.288  | 76    | 258835   | 5.229    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.436  | 43    | 27455    | 5.456    | ug/L # | 88       |
| 16) Methylene chloride        | 2.500  | 84    | 108299   | 6.056    | ug/L   | 90       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 165875   | 5.085    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 86489    | 5.227    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.182  | 63    | 154062   | 5.466    | ug/L   | 98       |
| 21) 2-Butanone                | 3.989  | 43    | 161879   | 57.671   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 107765   | 6.467    | ug/L   | 91       |
| 23) Bromochloromethane        | 4.240  | 128   | 39955    | 5.413    | ug/L   | 83       |
| 25) Chloroform                | 4.368  | 83    | 162324   | 5.252    | ug/L   | 99       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005317

Quant Time: Oct 04 09:21:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 04 02:28:45 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 85964    | 5.191  | ug/L # | 93       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 139453   | 5.188  | ug/L   | 98       |
| 30) Cyclohexane               | 4.671  | 56   | 123303   | 5.325  | ug/L   | 93       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 124417   | 5.160  | ug/L   | 99       |
| 33) Benzene                   | 5.092  | 78   | 353705   | 5.453  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 86094    | 5.301  | ug/L   | 91       |
| 35) Methylcyclohexane         | 6.124  | 83   | 134094   | 5.057  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 82104    | 5.465  | ug/L   | 97       |
| 38) Bromodichloromethane      | 6.503  | 83   | 106229   | 5.127  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 103787   | 4.840  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 407138   | 58.987 | ug/L   | 94       |
| 42) Toluene                   | 7.381  | 91   | 378714   | 5.548  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 87723    | 4.815  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 60423    | 5.423  | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.969  | 164  | 75126    | 5.293  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.137  | 43   | 300308   | 62.121 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.240  | 129  | 71067    | 5.039  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 54409    | 5.426  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.876  | 112  | 241290   | 5.316  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.008  | 91   | 376814   | 5.253  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.133  | 106  | 152285   | 5.326  | ug/L   | 99       |
| 54) o-Xylene                  | 9.539  | 106  | 140578   | 5.198  | ug/L   | 98       |
| 55) Styrene                   | 9.558  | 104  | 261428   | 5.625  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.236 | 83   | 70067    | 5.542  | ug/L   | 99       |
| 59) Bromoform                 | 9.728  | 173  | 38599    | 4.866  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.928  | 105  | 381337   | 5.174  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 49729    | 5.351  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 99831    | 4.767  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 296777   | 5.000  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 191629   | 5.293  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 190774   | 5.262  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 177742   | 5.413  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.423 | 75   | 11245    | 5.312  | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 144338   | 5.040  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 110199   | 5.049  | ug/L   | 97       |
| 71) Naphthalene               | 13.497 | 128  | 156648   | 4.596  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.738 | 180  | 101850   | 5.177  | ug/L   | 99       |

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

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