

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV021422\  
 Data File : VV024664.D  
 Acq On : 14 Feb 2022 20:19  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005309

Quant Time: Feb 15 06:31:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR020922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 15 06:26:19 2022  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|----------|----------|
| -----                         |          |       |          |        |          |          |
| Internal Standards            |          |       |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.619    | 114   | 124255   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.850    | 117   | 128949   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249   | 152   | 66173    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.310    | 65    | 51994    | 4.992  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 40 | - 130 | Recovery | =      | 99.800%  |          |
| 7) Chloroethane-d5            | 1.571    | 69    | 48090    | 5.461  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 65 | - 130 | Recovery | =      | 109.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.114    | 63    | 124286   | 5.455  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 60 | - 125 | Recovery | =      | 109.200% |          |
| 20) 2-Butanone-d5             | 3.905    | 46    | 101743   | 58.843 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 40 | - 130 | Recovery | =      | 117.680% |          |
| 24) Chloroform-d              | 4.352    | 84    | 102484   | 5.591  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 70 | - 125 | Recovery | =      | 111.800% |          |
| 26) 1,2-Dichloroethane-d4     | 5.037    | 65    | 46972    | 5.647  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 70 | - 130 | Recovery | =      | 113.000% |          |
| 32) Benzene-d6                | 5.053    | 84    | 205153   | 5.607  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 70 | - 125 | Recovery | =      | 112.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.069    | 67    | 60954    | 5.357  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 60 | - 140 | Recovery | =      | 107.200% |          |
| 41) Toluene-d8                | 7.317    | 98    | 191369   | 5.608  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 70 | - 130 | Recovery | =      | 112.200% |          |
| 43) trans-1,3-Dichloroprop... | 7.622    | 79    | 22793    | 4.960  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 55 | - 130 | Recovery | =      | 99.200%  |          |
| 46) 2-Hexanone-d5             | 8.088    | 63    | 87398    | 53.982 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 45 | - 130 | Recovery | =      | 107.960% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217   | 84    | 36111    | 5.330  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 65 | - 120 | Recovery | =      | 106.600% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622   | 152   | 59151    | 5.545  | ug/L     | 0.00     |
| Spiked Amount 5.000           | Range 80 | - 120 | Recovery | =      | 111.000% |          |
| Target Compounds              |          |       |          |        |          |          |
|                               |          |       |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.130    | 85    | 87542    | 5.362  | ug/L     | 98       |
| 3) Chloromethane              | 1.243    | 50    | 88774    | 5.526  | ug/L     | 98       |
| 5) Vinyl chloride             | 1.314    | 62    | 96076    | 5.553  | ug/L     | 100      |
| 6) Bromomethane               | 1.526    | 94    | 57108    | 5.362  | ug/L     | 99       |
| 8) Chloroethane               | 1.587    | 64    | 60014    | 5.663  | ug/L     | 97       |
| 9) Trichlorofluoromethane     | 1.757    | 101   | 131187   | 5.611  | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.121    | 101   | 71886    | 5.515  | ug/L #   | 86       |
| 12) 1,1-Dichloroethene        | 2.124    | 96    | 71174    | 5.532  | ug/L     | 92       |
| 13) Acetone                   | 2.198    | 43    | 81690    | 59.868 | ug/L     | 75       |
| 14) Carbon disulfide          | 2.298    | 76    | 209604   | 5.126  | ug/L     | 99       |
| 15) Methyl Acetate            | 2.445    | 43    | 21703    | 5.562  | ug/L     | 97       |
| 16) Methylene chloride        | 2.510    | 84    | 67480    | 5.294  | ug/L     | 93       |
| 17) Methyl tert-butyl Ether   | 2.770    | 73    | 147010   | 5.545  | ug/L     | 99       |
| 18) trans-1,2-Dichloroethene  | 2.764    | 96    | 69484    | 5.497  | ug/L     | 93       |
| 19) 1,1-Dichloroethane        | 3.191    | 63    | 127704   | 5.850  | ug/L     | 98       |
| 21) 2-Butanone                | 3.982    | 43    | 139269   | 61.585 | ug/L     | 96       |
| 22) cis-1,2-Dichloroethene    | 3.915    | 96    | 74248    | 5.827  | ug/L     | 91       |
| 23) Bromochloromethane        | 4.252    | 128   | 28707    | 5.932  | ug/L     | 86       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV021422\  
 Data File : VV024664.D  
 Acq On : 14 Feb 2022 20:19  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005309

Quant Time: Feb 15 06:31:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR020922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 15 06:26:19 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 25) Chloroform                | 4.378  | 83   | 132635   | 5.805  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 74545    | 5.951  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 118162   | 5.586  | ug/L   | 97       |
| 30) Cyclohexane               | 4.680  | 56   | 119770   | 5.496  | ug/L   | 95       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 98594    | 5.503  | ug/L   | 99       |
| 33) Benzene                   | 5.101  | 78   | 293255   | 5.827  | ug/L   | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 78268    | 5.648  | ug/L   | 88       |
| 35) Methylcyclohexane         | 6.133  | 83   | 121647   | 5.306  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 71462    | 5.858  | ug/L # | 96       |
| 38) Bromodichloromethane      | 6.510  | 83   | 89267    | 5.506  | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 102545   | 5.517  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 359642   | 57.132 | ug/L   | 98       |
| 42) Toluene                   | 7.387  | 91   | 318418   | 5.808  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 85072    | 5.540  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 46399    | 5.870  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.976  | 164  | 48590    | 5.285  | ug/L   | 89       |
| 48) 2-Hexanone                | 8.140  | 43   | 257034   | 59.650 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 52646    | 5.515  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 42773    | 5.765  | ug/L # | 91       |
| 51) Chlorobenzene             | 8.879  | 112  | 195128   | 5.808  | ug/L   | 94       |
| 52) Ethylbenzene              | 9.011  | 91   | 344727   | 5.651  | ug/L   | 97       |
| 53) m,p-xylene                | 9.137  | 106  | 131086   | 5.673  | ug/L   | 95       |
| 54) o-xylene                  | 9.542  | 106  | 128021   | 5.746  | ug/L   | 96       |
| 55) Styrene                   | 9.558  | 104  | 211430   | 5.781  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 45970    | 5.741  | ug/L # | 99       |
| 59) Bromoform                 | 9.731  | 173  | 22915    | 5.420  | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.931  | 105  | 341645   | 5.692  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 37293    | 5.717  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 288356   | 5.611  | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 287858   | 5.634  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 136105   | 5.571  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 135848   | 5.599  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 124098   | 5.722  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 7045     | 5.560  | ug/L # | 72       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 93436    | 5.376  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 75171    | 5.356  | ug/L   | 96       |
| 71) Naphthalene               | 13.500 | 128  | 137588   | 5.412  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 64273    | 5.445  | ug/L   | 98       |

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

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD005309

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD005309

