

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV091924\  
 Data File : VV037416.D  
 Acq On : 20 Sep 2024 05:31  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005285

Quant Time: Sep 20 05:50:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 20 03:11:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 256560   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 253576   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 127103   | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 87074    | 5.785    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 115.600%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 80487    | 5.129    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 102.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 35905    | 4.619    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.400%   |
| 20) 2-Butanone-d5             | 3.802  | 46    | 263751   | 58.634   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 117.260%  |
| 24) Chloroform-d              | 4.243  | 84    | 199951   | 5.471    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 109.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.940  | 65    | 99520    | 5.816    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 116.400%  |
| 32) Benzene-d6                | 4.953  | 84    | 357077   | 5.252    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.000%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 117159   | 5.541    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 110.800%  |
| 41) Toluene-d8                | 7.239  | 98    | 308263   | 5.032    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.600%  |
| 43) trans-1,3-Dichloroprop... | 7.554  | 79    | 38418    | 5.524    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 110.400%  |
| 46) 2-Hexanone-d5             | 8.024  | 63    | 231324   | 68.077   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 136.160%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 107084   | 6.214    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 124.200%# |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 114297   | 5.058    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 101.200%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 105765   | 4.438    | ug/L   | 99        |
| 3) Chloromethane              | 1.214  | 50    | 130226   | 5.121    | ug/L   | 99        |
| 5) Vinyl chloride             | 1.278  | 62    | 130407   | 5.218    | ug/L   | 91        |
| 6) Bromomethane               | 1.484  | 94    | 61962    | 4.133    | ug/L   | 100       |
| 8) Chloroethane               | 1.545  | 64    | 94554    | 6.292    | ug/L   | 91        |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 148547   | 4.778    | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101   | 75577    | 4.014    | ug/L   | 97        |
| 12) 1,1-Dichloroethene        | 2.066  | 96    | 92941    | 5.169    | ug/L   | 91        |
| 13) Acetone                   | 2.133  | 43    | 186456   | 59.531   | ug/L   | 99        |
| 14) Carbon disulfide          | 2.236  | 76    | 272705   | 4.810    | ug/L   | 100       |
| 15) Methyl Acetate            | 2.384  | 43    | 47174    | 6.576    | ug/L   | 99        |
| 16) Methylene chloride        | 2.442  | 84    | 129510   | 6.266    | ug/L   | 100       |
| 17) Methyl tert-butyl Ether   | 2.699  | 73    | 278104   | 6.507    | ug/L   | 99        |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96    | 105012   | 5.551    | ug/L   | 98        |
| 19) 1,1-Dichloroethane        | 3.104  | 63    | 217916   | 6.033    | ug/L   | 98        |
| 21) 2-Butanone                | 3.883  | 43    | 294282   | 61.820   | ug/L   | 95        |
| 22) cis-1,2-Dichloroethene    | 3.812  | 96    | 123238   | 6.026    | ug/L   | 97        |
| 23) Bromochloromethane        | 4.143  | 128   | 58928    | 6.654    | ug/L   | 99        |
| 25) Chloroform                | 4.268  | 83    | 221745   | 6.094    | ug/L   | 95        |

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 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005285

Quant Time: Sep 20 05:50:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 20 03:11:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 136071   | 6.609  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.503  | 97   | 163656   | 5.443  | ug/L  | 98       |
| 30) Cyclohexane               | 4.577  | 56   | 103044   | 3.533  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 125337   | 4.897  | ug/L  | 98       |
| 33) Benzene                   | 5.005  | 78   | 450316   | 5.894  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 127693   | 6.202  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.040  | 83   | 111345   | 3.557  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 119035   | 6.124  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 147684   | 6.069  | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 144165   | 5.120  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 760066   | 68.297 | ug/L  | 99       |
| 42) Toluene                   | 7.310  | 91   | 435725   | 5.482  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 117078   | 5.153  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 94410    | 6.786  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.902  | 164  | 69858    | 4.741  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.072  | 43   | 564847   | 69.442 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 89267    | 6.124  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 87954    | 6.691  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.812  | 112  | 279774   | 5.286  | ug/L  | 97       |
| 52) Ethylbenzene              | 8.943  | 91   | 415458   | 4.684  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 158878   | 4.868  | ug/L  | 100      |
| 54) o-Xylene                  | 9.474  | 106  | 162135   | 5.018  | ug/L  | 99       |
| 55) Styrene                   | 9.493  | 104  | 294475   | 5.376  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 117209   | 6.974  | ug/L  | 97       |
| 59) Bromoform                 | 9.660  | 173  | 41786    | 5.620  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.863  | 105  | 387884   | 4.559  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 79718    | 6.892  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 307912   | 4.564  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 325354   | 4.801  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 208784   | 5.191  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 209988   | 5.091  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 206282   | 5.533  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 15506    | 6.465  | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 136527   | 4.760  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 116830   | 4.949  | ug/L  | 99       |
| 71) Naphthalene               | 13.435 | 128  | 192930   | 5.347  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 107534   | 5.504  | ug/L  | 98       |

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

