

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV111722\  
 Data File : VV029104.D  
 Acq On : 18 Nov 2022 07:53  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005354

Quant Time: Nov 18 08:34:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 18 04:35:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 235026   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 216088   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.242 | 152   | 112390   | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 70419    | 4.915    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 98.200%   |
| 7) Chloroethane-d5            | 1.568  | 69    | 58210    | 4.621    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.400%   |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 132945   | 5.091    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 101.800%  |
| 20) 2-Butanone-d5             | 3.892  | 46    | 162242   | 67.643   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 135.280%# |
| 24) Chloroform-d              | 4.342  | 84    | 169018   | 5.746    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 115.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 74089    | 5.598    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 112.000%  |
| 32) Benzene-d6                | 5.047  | 84    | 345032   | 5.349    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 95228    | 5.287    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 105.800%  |
| 41) Toluene-d8                | 7.310  | 98    | 329445   | 5.674    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 113.400%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 31885    | 5.428    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 108.600%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 151039   | 60.238   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 120.480%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 76196    | 6.102    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 122.000%# |
| 66) 1,2-Dichlorobenzene-d4    | 11.615 | 152   | 126444   | 6.288    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 125.800%# |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 109681   | 5.598    | ug/L   | 98        |
| 3) Chloromethane              | 1.240  | 50    | 87007    | 5.351    | ug/L   | 95        |
| 5) Vinyl chloride             | 1.310  | 62    | 99337    | 5.356    | ug/L   | 90        |
| 6) Bromomethane               | 1.523  | 94    | 61237    | 5.524    | ug/L   | 97        |
| 8) Chloroethane               | 1.584  | 64    | 63014    | 5.782    | ug/L   | 95        |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 152227   | 6.087    | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101   | 88015    | 6.216    | ug/L   | 97        |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 85304    | 5.996    | ug/L   | 93        |
| 13) Acetone                   | 2.188  | 43    | 87196    | 56.515   | ug/L   | 80        |
| 14) Carbon disulfide          | 2.291  | 76    | 272643   | 5.396    | ug/L   | 100       |
| 15) Methyl Acetate            | 2.436  | 43    | 24748    | 6.609    | ug/L   | 98        |
| 16) Methylene chloride        | 2.503  | 84    | 129507   | 7.040    | ug/L   | 92        |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 191736   | 6.286    | ug/L   | 99        |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 101659   | 6.161    | ug/L   | 92        |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 160695   | 5.957    | ug/L   | 98        |
| 21) 2-Butanone                | 3.982  | 43    | 153416   | 64.225   | ug/L   | 89        |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 107223   | 6.392    | ug/L   | 89        |
| 23) Bromochloromethane        | 4.246  | 128   | 47851    | 6.744    | ug/L   | 91        |
| 25) Chloroform                | 4.371  | 83    | 174563   | 6.173    | ug/L   | 97        |

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 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005354

Quant Time: Nov 18 08:34:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 18 04:35:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 91108    | 6.255  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 150442   | 5.933  | ug/L   | 98       |
| 30) Cyclohexane               | 4.670  | 56   | 143849   | 5.582  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.821  | 117  | 129793   | 5.944  | ug/L   | 97       |
| 33) Benzene                   | 5.095  | 78   | 393842   | 5.964  | ug/L   | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 101680   | 6.015  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.127  | 83   | 168773   | 5.681  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 87481    | 5.745  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 110019   | 5.705  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 112870   | 5.309  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 397731   | 60.709 | ug/L   | 97       |
| 42) Toluene                   | 7.381  | 91   | 436806   | 6.123  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 86764    | 5.257  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 66346    | 6.656  | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.969  | 164  | 88516    | 6.539  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.136  | 43   | 281592   | 61.359 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.239  | 129  | 71413    | 5.926  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.345  | 107  | 60421    | 6.525  | ug/L # | 95       |
| 51) Chlorobenzene             | 8.876  | 112  | 284301   | 6.446  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.005  | 91   | 466917   | 6.287  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.133  | 106  | 186548   | 6.316  | ug/L   | 96       |
| 54) o-Xylene                  | 9.535  | 106  | 182812   | 6.511  | ug/L   | 99       |
| 55) Styrene                   | 9.554  | 104  | 309827   | 6.579  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 74444    | 6.407  | ug/L # | 99       |
| 59) Bromoform                 | 9.725  | 173  | 36796    | 6.006  | ug/L   | 100      |
| 60) Isopropylbenzene          | 9.924  | 105  | 487431   | 6.682  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.265 | 75   | 51720    | 6.734  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.532 | 105  | 406594   | 6.579  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 408394   | 6.597  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 228499   | 6.666  | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.265 | 146  | 221426   | 6.426  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.635 | 146  | 204029   | 6.625  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.419 | 75   | 7687     | 5.087  | ug/L # | 69       |
| 69) 1,3,5-Trichlorobenzene    | 12.635 | 180  | 165916   | 6.274  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.252 | 180  | 121076   | 6.053  | ug/L   | 97       |
| 71) Naphthalene               | 13.493 | 128  | 144877   | 5.614  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 104253   | 6.154  | ug/L   | 99       |

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

