

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW071322\  
 Data File : VW026743.D  
 Acq On : 13 Jul 2022 10:49  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005351

Quant Time: Jul 13 22:56:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 13 02:57:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 241835   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 239215   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 126270   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 94025    | 4.262    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.200%  |
| 7) Chloroethane-d5            | 1.561  | 69    | 86019    | 4.512    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 196837   | 4.647    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 93.000%  |
| 20) 2-Butanone-d5             | 3.896  | 46    | 150001   | 43.563   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 87.120%  |
| 24) Chloroform-d              | 4.343  | 84    | 188349   | 4.882    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 84561    | 5.018    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.400% |
| 32) Benzene-d6                | 5.043  | 84    | 348214   | 4.790    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 105840   | 4.856    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.200%  |
| 41) Toluene-d8                | 7.310  | 98    | 324770   | 5.033    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.600% |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 33688    | 4.724    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.400%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 162343   | 52.586   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 105.180% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 85147    | 5.015    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 106405   | 4.837    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124  | 85    | 161730   | 5.260    | ug/L   | 100      |
| 3) Chloromethane              | 1.237  | 50    | 146733   | 4.974    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.304  | 62    | 160892   | 5.356    | ug/L   | 99       |
| 6) Bromomethane               | 1.516  | 94    | 103529   | 5.758    | ug/L   | 99       |
| 8) Chloroethane               | 1.577  | 64    | 93603    | 5.289    | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 1.745  | 101   | 206012   | 5.396    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101   | 117090   | 5.354    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.111  | 96    | 112185   | 5.291    | ug/L   | 96       |
| 13) Acetone                   | 2.185  | 43    | 113864   | 39.302   | ug/L # | 47       |
| 14) Carbon disulfide          | 2.285  | 76    | 329555   | 5.275    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.436  | 43    | 27185    | 4.640    | ug/L   | 90       |
| 16) Methylene chloride        | 2.500  | 84    | 121338   | 4.804    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 202775   | 5.551    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.751  | 96    | 107857   | 5.534    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.182  | 63    | 199420   | 5.604    | ug/L   | 99       |
| 21) 2-Butanone                | 3.982  | 43    | 165316   | 48.929   | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 105899   | 5.387    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.240  | 128   | 48650    | 5.373    | ug/L   | 99       |
| 25) Chloroform                | 4.368  | 83    | 203001   | 5.446    | ug/L   | 100      |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005351

Quant Time: Jul 13 22:56:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 13 02:57:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 108031   | 5.379  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 175116   | 5.432  | ug/L  | 99       |
| 30) Cyclohexane               | 4.667  | 56   | 151915   | 5.530  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 151296   | 5.314  | ug/L  | 98       |
| 33) Benzene                   | 5.092  | 78   | 438492   | 5.483  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 106041   | 5.395  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.127  | 83   | 165687   | 5.523  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 109686   | 5.736  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 131773   | 5.285  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 127285   | 5.356  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 512523   | 58.020 | ug/L  | 96       |
| 42) Toluene                   | 7.384  | 91   | 461589   | 5.715  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 107176   | 5.492  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 75748    | 5.418  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.973  | 164  | 84484    | 5.480  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.140  | 43   | 385375   | 60.277 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.243  | 129  | 83446    | 5.179  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 67346    | 5.444  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.879  | 112  | 282513   | 5.532  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.011  | 91   | 442493   | 5.536  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.137  | 106  | 175284   | 5.639  | ug/L  | 97       |
| 54) o-Xylene                  | 9.542  | 106  | 165807   | 5.613  | ug/L  | 97       |
| 55) Styrene                   | 9.558  | 104  | 294930   | 5.697  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 89339    | 5.399  | ug/L  | 100      |
| 59) Bromoform                 | 9.728  | 173  | 38581    | 4.762  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.931  | 105  | 432310   | 5.489  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 62715    | 5.386  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 330820   | 5.280  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 342852   | 5.388  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 213454   | 5.532  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 215912   | 5.503  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 195665   | 5.430  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 11918    | 4.828  | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 146406   | 5.368  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 108688   | 5.240  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 171462   | 4.989  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 102114   | 5.291  | ug/L  | 99       |

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

