

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050823\  
 Data File : VV031008.D  
 Acq On : 08 May 2023 15:02  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005345

Quant Time: May 09 01:34:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR042823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 06 01:44:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                         |           |       |          |          |        |          |
| Internal Standards            |           |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542     | 114   | 126041   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792     | 117   | 120714   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194    | 152   | 64047    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |           |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281     | 65    | 60657    | 5.841    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 40 - 130 | Recovery | =      | 116.800% |
| 7) Chloroethane-d5            | 1.535     | 69    | 52788    | 6.231    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 130 | Recovery | =      | 124.600% |
| 11) 1,1-Dichloroethene-d2     | 2.059     | 65    | 32939    | 5.994    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 125 | Recovery | =      | 119.800% |
| 20) 2-Butanone-d5             | 3.838     | 46    | 95754    | 51.998   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 40 - 130 | Recovery | =      | 104.000% |
| 24) Chloroform-d              | 4.256     | 84    | 124614   | 6.038    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | =      | 120.800% |
| 26) 1,2-Dichloroethane-d4     | 4.950     | 65    | 61273    | 5.840    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | =      | 116.800% |
| 32) Benzene-d6                | 4.966     | 84    | 220846   | 6.241    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | =      | 124.800% |
| 36) 1,2-Dichloropropane-d6    | 5.992     | 67    | 59825    | 5.815    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 140 | Recovery | =      | 116.200% |
| 41) Toluene-d8                | 7.249     | 98    | 210788   | 6.256    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | =      | 125.200% |
| 43) trans-1,3-Dichloroprop... | 7.558     | 79    | 22068    | 5.722    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 55 - 130 | Recovery | =      | 114.400% |
| 46) 2-Hexanone-d5             | 8.037     | 63    | 75282    | 55.712   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range | 45 - 130 | Recovery | =      | 111.420% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159    | 84    | 42851    | 5.746    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 120 | Recovery | =      | 115.000% |
| 66) 1,2-Dichlorobenzene-d4    | 11.567    | 152   | 69576    | 5.828    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000     | Range | 80 - 120 | Recovery | =      | 116.600% |
| Target Compounds              |           |       |          |          |        |          |
|                               |           |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108     | 85    | 50197    | 5.041    | ug/L   | 100      |
| 3) Chloromethane              | 1.217     | 50    | 52263    | 4.473    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.285     | 62    | 51335    | 5.249    | ug/L   | 99       |
| 6) Bromomethane               | 1.490     | 94    | 22189    | 4.763    | ug/L   | 97       |
| 8) Chloroethane               | 1.551     | 64    | 29923    | 5.027    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.715     | 101   | 95247    | 5.279    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069     | 101   | 51225    | 5.561    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.072     | 96    | 43886    | 5.174    | ug/L   | 97       |
| 13) Acetone                   | 2.159     | 43    | 62035    | 39.438   | ug/L   | 79       |
| 14) Carbon disulfide          | 2.243     | 76    | 97267    | 4.383    | ug/L   | 97       |
| 15) Methyl Acetate            | 2.397     | 43    | 11074    | 3.460    | ug/L # | 81       |
| 16) Methylene chloride        | 2.452     | 84    | 47989    | 5.001    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.712     | 73    | 85728    | 5.309    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.696     | 96    | 39401    | 5.085    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.117     | 63    | 80852    | 5.404    | ug/L   | 99       |
| 21) 2-Butanone                | 3.912     | 43    | 79610    | 46.019   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 3.821     | 96    | 42482    | 5.197    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.156     | 128   | 20480    | 5.321    | ug/L   | 97       |
| 25) Chloroform                | 4.281     | 83    | 90227    | 5.621    | ug/L   | 95       |

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 ClientSampleId :  
 VSTD005345

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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 06 01:44:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 53490    | 5.309  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.519  | 97   | 84087    | 5.544  | ug/L   | 98       |
| 30) Cyclohexane               | 4.587  | 56   | 54662    | 4.771  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 76106    | 5.586  | ug/L   | 99       |
| 33) Benzene                   | 5.018  | 78   | 167342   | 5.511  | ug/L   | 100      |
| 34) Trichloroethene           | 5.837  | 95   | 43416    | 5.364  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.053  | 83   | 59512    | 4.744  | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 39117    | 5.431  | ug/L # | 97       |
| 38) Bromodichloromethane      | 6.439  | 83   | 60082    | 5.700  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 57769    | 5.355  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 208383   | 55.841 | ug/L   | 99       |
| 42) Toluene                   | 7.323  | 91   | 185604   | 5.678  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 50916    | 5.540  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 29661    | 5.550  | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.911  | 164  | 40440    | 5.237  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.088  | 43   | 156565   | 54.702 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.181  | 129  | 39235    | 5.836  | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 26353    | 5.529  | ug/L # | 99       |
| 51) Chlorobenzene             | 8.821  | 112  | 115615   | 5.216  | ug/L   | 100      |
| 52) Ethylbenzene              | 8.953  | 91   | 187354   | 5.257  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.078  | 106  | 70831    | 4.980  | ug/L   | 99       |
| 54) o-Xylene                  | 9.484  | 106  | 69771    | 5.154  | ug/L   | 100      |
| 55) Styrene                   | 9.503  | 104  | 116132   | 5.084  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 33781    | 5.655  | ug/L   | 98       |
| 59) Bromoform                 | 9.673  | 173  | 23633    | 6.269  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.873  | 105  | 186079   | 5.389  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 23475    | 5.835  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 137417   | 4.888  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 133573   | 4.690  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.123 | 146  | 92813    | 5.234  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 92475    | 5.169  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.586 | 146  | 82965    | 5.203  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 5632     | 5.515  | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 57946    | 4.127  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 42415    | 3.931  | ug/L   | 98       |
| 71) Naphthalene               | 13.448 | 128  | 45656    | 2.951  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 34274    | 3.752  | ug/L   | 99       |

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

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