

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121021\  
 Data File : VW023926.D  
 Acq On : 11 Dec 2021 07:48  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005389

Quant Time: Dec 11 23:59:00 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Dec 11 04:33:17 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 114726   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 116482   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 70232    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 26394    | 4.279    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.600%  |
| 7) Chloroethane-d5            | 1.571  | 69    | 24356    | 4.733    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.114  | 63    | 56154    | 4.664    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 93.200%  |
| 20) 2-Butanone-d5             | 3.902  | 46    | 76942    | 63.855   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 127.700% |
| 24) Chloroform-d              | 4.352  | 84    | 64909    | 4.646    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 31509    | 4.844    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.800%  |
| 32) Benzene-d6                | 5.053  | 84    | 109702   | 4.755    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 32918    | 4.729    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.600%  |
| 41) Toluene-d8                | 7.317  | 98    | 98453    | 4.740    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.800%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 13416    | 4.646    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.000%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 66162    | 51.183   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.360% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 28360    | 4.912    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 45561    | 4.857    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 47758    | 4.783    | ug/L   | 99       |
| 3) Chloromethane              | 1.243  | 50    | 39802    | 4.665    | ug/L   | 94       |
| 5) Vinyl chloride             | 1.310  | 62    | 45002    | 4.863    | ug/L   | 98       |
| 6) Bromomethane               | 1.523  | 94    | 27633    | 4.699    | ug/L   | 99       |
| 8) Chloroethane               | 1.587  | 64    | 28118    | 4.670    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 79961    | 4.973    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.121  | 101   | 41093    | 4.852    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.121  | 96    | 37116    | 4.822    | ug/L   | 95       |
| 13) Acetone                   | 2.198  | 43    | 51641    | 53.569   | ug/L   | 76       |
| 14) Carbon disulfide          | 2.297  | 76    | 102506   | 4.591    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.445  | 43    | 13126    | 5.617    | ug/L   | 100      |
| 16) Methylene chloride        | 2.510  | 84    | 46281    | 4.596    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 89129    | 5.121    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.764  | 96    | 41111    | 4.825    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.191  | 63    | 73561    | 4.810    | ug/L   | 98       |
| 21) 2-Butanone                | 3.989  | 43    | 76070    | 55.228   | ug/L   | 89       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 45003    | 4.990    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.256  | 128   | 20689    | 5.048    | ug/L   | 91       |
| 25) Chloroform                | 4.378  | 83    | 80754    | 4.750    | ug/L   | 99       |

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 ClientSampleId :  
 VSTD005389

Quant Time: Dec 11 23:59:00 2021  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Dec 11 04:33:17 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 44582    | 4.840  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 78790    | 5.170  | ug/L  | 98       |
| 30) Cyclohexane               | 4.680  | 56   | 58763    | 4.862  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 69071    | 4.822  | ug/L  | 96       |
| 33) Benzene                   | 5.101  | 78   | 164576   | 4.994  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 44385    | 4.775  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.130  | 83   | 65908    | 4.818  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 38749    | 4.947  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.510  | 83   | 55258    | 4.981  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 56019    | 4.818  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 197168   | 52.407 | ug/L  | 98       |
| 42) Toluene                   | 7.387  | 91   | 187088   | 5.045  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 48792    | 4.855  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 28175    | 4.862  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.976  | 164  | 42001    | 5.133  | ug/L  | 92       |
| 48) 2-Hexanone                | 8.140  | 43   | 141915   | 52.022 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 38645    | 4.902  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 27056    | 5.029  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.882  | 112  | 135312   | 5.459  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.011  | 91   | 199499   | 5.099  | ug/L  | 100      |
| 53) m,p-xylene                | 9.136  | 106  | 80660    | 5.212  | ug/L  | 98       |
| 54) o-xylene                  | 9.542  | 106  | 75750    | 5.062  | ug/L  | 96       |
| 55) Styrene                   | 9.561  | 104  | 130804   | 5.251  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 30675    | 4.835  | ug/L  | 100      |
| 59) Bromoform                 | 9.731  | 173  | 21859    | 4.850  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.931  | 105  | 210831   | 5.113  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 22729    | 4.751  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 175757   | 5.138  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 179150   | 5.257  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 124389   | 5.898  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 155427   | 7.338  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 154415   | 7.992  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 5213     | 4.989  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 85332    | 4.920  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 80523    | 5.911  | ug/L  | 97       |
| 71) Naphthalene               | 13.503 | 128  | 95170    | 4.860  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 65591    | 5.453  | ug/L  | 100      |

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

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