

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121121\  
 Data File : VW023937.D  
 Acq On : 11 Dec 2021 17:41  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005391

Quant Time: Dec 12 00:28:06 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   | 101439   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 106885   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 63392    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 22137    | 4.059    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.200%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 20590    | 4.525    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 47896    | 4.500    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 90.000%  |
| 20) 2-Butanone-d5             | 3.905  | 46    | 65547    | 61.523   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 123.040% |
| 24) Chloroform-d              | 4.352  | 84    | 61915    | 5.012    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.200% |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 30198    | 5.251    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.000% |
| 32) Benzene-d6                | 5.053  | 84    | 96105    | 4.540    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 30642    | 4.798    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.000%  |
| 41) Toluene-d8                | 7.317  | 98    | 87111    | 4.571    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.400%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 13905    | 5.248    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 105.000% |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 76044    | 64.109   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 128.220% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 31021    | 5.855    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 117.000% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 41826    | 4.939    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 46797    | 5.300    | ug/L   | 100      |
| 3) Chloromethane              | 1.240  | 50    | 38065    | 5.046    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.310  | 62    | 41810    | 5.110    | ug/L   | 98       |
| 6) Bromomethane               | 1.519  | 94    | 26295    | 5.057    | ug/L   | 100      |
| 8) Chloroethane               | 1.584  | 64    | 26903    | 5.053    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 76657    | 5.392    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101   | 38913    | 5.197    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 35111    | 5.159    | ug/L   | 90       |
| 13) Acetone                   | 2.188  | 43    | 39106    | 45.879   | ug/L   | 76       |
| 14) Carbon disulfide          | 2.291  | 76    | 95923    | 4.859    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.439  | 43    | 10088    | 4.883    | ug/L   | 99       |
| 16) Methylene chloride        | 2.507  | 84    | 43516    | 4.887    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 87462    | 5.683    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96    | 39159    | 5.198    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.191  | 63    | 71371    | 5.278    | ug/L   | 97       |
| 21) 2-Butanone                | 3.986  | 43    | 58743    | 48.234   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 42890    | 5.378    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.252  | 128   | 19917    | 5.496    | ug/L   | 90       |
| 25) Chloroform                | 4.378  | 83    | 81876    | 5.447    | ug/L   | 99       |

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 ClientSampleId :  
 VSTD005391

Quant Time: Dec 12 00:28:06 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) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 46274    | 5.682  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 73388    | 5.248  | ug/L  | 99       |
| 30) Cyclohexane               | 4.677  | 56   | 54261    | 4.892  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 67121    | 5.106  | ug/L  | 100      |
| 33) Benzene                   | 5.101  | 78   | 158347   | 5.237  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 42937    | 5.034  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.133  | 83   | 60933    | 4.854  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 38537    | 5.362  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.510  | 83   | 54875    | 5.390  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 55449    | 5.197  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 214866   | 62.239 | ug/L  | 98       |
| 42) Toluene                   | 7.387  | 91   | 178722   | 5.252  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 50878    | 5.517  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 28932    | 5.441  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.976  | 164  | 38233    | 5.092  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.143  | 43   | 159836   | 63.852 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 39896    | 5.515  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 27383    | 5.547  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.882  | 112  | 119309   | 5.246  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.014  | 91   | 187435   | 5.220  | ug/L  | 97       |
| 53) m,p-xylene                | 9.140  | 106  | 75363    | 5.307  | ug/L  | 97       |
| 54) o-xylene                  | 9.545  | 106  | 71900    | 5.236  | ug/L  | 96       |
| 55) Styrene                   | 9.561  | 104  | 125733   | 5.500  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 32778    | 5.630  | ug/L  | 99       |
| 59) Bromoform                 | 9.731  | 173  | 22946    | 5.640  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.931  | 105  | 195047   | 5.240  | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 24112    | 5.583  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 160312   | 5.192  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 161541   | 5.252  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 104642   | 5.497  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 110183   | 5.763  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 109164   | 6.260  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 5343     | 5.665  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 77972    | 4.980  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 62015    | 5.043  | ug/L  | 96       |
| 71) Naphthalene               | 13.503 | 128  | 90390    | 5.114  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 58356    | 5.375  | ug/L  | 98       |

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

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