

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW012921\  
 Data File : VW020215.D  
 Acq On : 28 Jan 2021 16:51  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005702

Manual Integrations  
 APPROVED

MMDadoda  
 2/1/2021 1:51:11 PM

Quant Time: Jan 29 00:53:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012921WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 28 12:11:07 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.621  | 114   | 463393   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.858  | 117   | 447302   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.254 | 152   | 253191   | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.306  | 65    | 149336   | 4.55     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 91.00%   |
| 7) Chloroethane-d5            | 1.566  | 69    | 125393   | 4.43     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.60%   |
| 11) 1,1-Dichloroethene-d2     | 2.110  | 63    | 196438   | 4.29     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.80%   |
| 20) 2-Butanone-d5             | 3.933  | 46    | 274005   | 40.73    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 81.46%   |
| 24) Chloroform-d              | 4.354  | 84    | 288430   | 4.54     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.80%   |
| 26) 1,2-Dichloroethane-d4     | 5.039  | 65    | 140830   | 4.48     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.60%   |
| 32) Benzene-d6                | 5.055  | 84    | 543864   | 4.57     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.40%   |
| 36) 1,2-Dichloropropane-d6    | 6.074  | 67    | 164430   | 4.68     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.60%   |
| 41) Toluene-d8                | 7.318  | 98    | 510631   | 4.64     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.80%   |
| 43) trans-1,3-Dichloroprop... | 7.627  | 79    | 57109    | 4.36     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.20%   |
| 46) 2-Hexanone-d5             | 8.096  | 63    | 243075   | 44.77    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 89.54%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.222 | 84    | 117680   | 4.96     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.20%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.630 | 152   | 202478   | 4.59     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.80%   |
|                               |        |       |          |          |        |          |
| Target Compounds              | Qvalue |       |          |          |        |          |
| 2) Dichlorodifluoromethane    | 1.129  | 85    | 205741   | 4.51     | ug/L   | 100      |
| 3) Chloromethane              | 1.241  | 50    | 203353   | 4.55     | ug/L   | 99       |
| 5) Vinyl chloride             | 1.309  | 62    | 199272   | 4.65     | ug/L   | 99       |
| 6) Bromomethane               | 1.521  | 94    | 115909   | 4.68     | ug/L   | 97       |
| 8) Chloroethane               | 1.585  | 64    | 118971   | 4.72     | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.753  | 101   | 235757   | 4.59     | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.116  | 101   | 114343   | 4.32     | ug/L # | 80       |
| 12) 1,1-Dichloroethene        | 2.119  | 96    | 113770   | 4.43     | ug/L   | 73       |
| 13) Acetone                   | 2.245  | 43    | 126327m  | 33.29    | ug/L   |          |
| 14) Carbon disulfide          | 2.293  | 76    | 342506   | 3.54     | ug/L   | 100      |
| 15) Methyl Acetate            | 2.454  | 43    | 40887    | 3.66     | ug/L # | 61       |
| 16) Methylene chloride        | 2.508  | 84    | 157810   | 4.59     | ug/L   | 90       |
| 17) Methyl tert-butyl Ether   | 2.775  | 73    | 322672   | 4.55     | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.762  | 96    | 157521   | 4.62     | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.193  | 63    | 284738   | 4.66     | ug/L   | 99       |
| 21) 2-Butanone                | 4.019  | 43    | 312679   | 43.05    | ug/L # | 69       |
| 22) cis-1,2-Dichloroethene    | 3.917  | 96    | 163779   | 4.67     | ug/L   | 91       |
| 23) Bromochloromethane        | 4.254  | 128   | 72420    | 4.74     | ug/L   | 84       |
| 25) Chloroform                | 4.380  | 83    | 293928   | 4.66     | ug/L   | 98       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005702

Manual Integrations  
 APPROVED

MMDadoda  
 2/1/2021 1:51:11 PM

Quant Time: Jan 29 00:53:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012921WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 28 12:11:07 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.138  | 62   | 177024   | 4.71  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.611  | 97   | 265126   | 4.74  | ug/L   | 97       |
| 30) Cyclohexane               | 4.679  | 56   | 247759   | 4.64  | ug/L   | 95       |
| 31) Carbon tetrachloride      | 4.833  | 117  | 230718   | 4.70  | ug/L   | 100      |
| 33) Benzene                   | 5.103  | 78   | 636894   | 4.83  | ug/L   | 100      |
| 34) Trichloroethene           | 5.920  | 95   | 170376   | 4.66  | ug/L   | 90       |
| 35) Methylcyclohexane         | 6.135  | 83   | 253971   | 4.60  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.180  | 63   | 153190   | 4.79  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.515  | 83   | 193716   | 4.62  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.032  | 75   | 210842   | 4.73  | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.235  | 43   | 813203   | 45.75 | ug/L   | 96       |
| 42) Toluene                   | 7.392  | 91   | 682169   | 4.85  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.656  | 75   | 176340   | 4.72  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.846  | 97   | 103180   | 4.61  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.977  | 164  | 145920   | 4.66  | ug/L   | 93       |
| 48) 2-Hexanone                | 8.148  | 43   | 571743   | 46.28 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.251  | 129  | 126905   | 4.75  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.357  | 107  | 99238    | 4.64  | ug/L # | 94       |
| 51) Chlorobenzene             | 8.884  | 112  | 444406   | 4.79  | ug/L   | 95       |
| 52) Ethylbenzene              | 9.016  | 91   | 763462   | 4.85  | ug/L   | 99       |
| 53) m,p-xylene                | 9.141  | 106  | 286034   | 4.87  | ug/L   | 98       |
| 54) o-xylene                  | 9.547  | 106  | 274113   | 4.83  | ug/L   | 97       |
| 55) Styrene                   | 9.566  | 104  | 468920   | 4.87  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.247 | 83   | 117496   | 4.92  | ug/L   | 98       |
| 59) Bromoform                 | 9.736  | 173  | 69418    | 4.71  | ug/L # | 97       |
| 60) Isopropylbenzene          | 9.936  | 105  | 759181   | 5.02  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.280 | 75   | 86414    | 4.87  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.543 | 105  | 620376   | 4.96  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 10.919 | 105  | 637065   | 4.97  | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.186 | 146  | 370920   | 4.71  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.280 | 146  | 369520   | 4.64  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.649 | 146  | 333002   | 4.67  | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 12.437 | 75   | 17104    | 4.09  | ug/L # | 72       |
| 69) 1,3,5-Trichlorobenzene    | 12.653 | 180  | 321089   | 4.73  | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.270 | 180  | 258190   | 4.69  | ug/L   | 98       |
| 71) Naphthalene               | 13.511 | 128  | 349154   | 4.66  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.752 | 180  | 223985   | 4.59  | ug/L   | 96       |

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

