

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121123\  
 Data File : VW033251.D  
 Acq On : 12 Dec 2023 06:26  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050357

Quant Time: Dec 12 06:56:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 08 21:51:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532   | 114   | 296723   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 295552   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 181421   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 74116    | 41.784   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 83.560%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 57306    | 46.367   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 92.740%  |
| 11) 1,1-Dichloroethene-d2     | 2.059   | 65    | 29880    | 44.280   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.560%  |
| 21) 2-Butanone-d5             | 3.776   | 46    | 99401    | 112.825  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 112.830% |
| 24) Chloroform-d              | 4.249   | 84    | 188245   | 50.007   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.020% |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 119511   | 51.064   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.120% |
| 32) Benzene-d6                | 4.960   | 84    | 338266   | 48.937   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.880%  |
| 36) 1,2-Dichloropropane-d6    | 5.985   | 67    | 91462    | 49.211   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 98.420%  |
| 41) Toluene-d8                | 7.243   | 98    | 330025   | 50.050   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.100% |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 55327    | 47.077   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.160%  |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 86999    | 116.520  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 116.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152  | 84    | 147849   | 55.961   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 111.920% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 162597   | 50.372   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.740% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 151997   | 46.864   | ug/L   | 99       |
| 3) Chloromethane              | 1.214   | 50    | 98517    | 46.054   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.281   | 62    | 103985   | 50.686   | ug/L   | 97       |
| 6) Bromomethane               | 1.484   | 94    | 63350    | 47.322   | ug/L   | 99       |
| 8) Chloroethane               | 1.548   | 64    | 54734    | 50.111   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 179841   | 53.124   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 83814    | 52.723   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 79412    | 53.382   | ug/L   | 96       |
| 13) Acetone                   | 2.108   | 43    | 64696    | 76.921   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.240   | 76    | 246911   | 46.262   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.368   | 43    | 72366    | 51.623   | ug/L   | 93       |
| 16) Methylene chloride        | 2.445   | 84    | 99443    | 50.483   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 2.693   | 96    | 97075    | 49.701   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.699   | 73    | 314283   | 52.968   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.111   | 63    | 163256   | 50.501   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.812   | 96    | 111363   | 53.734   | ug/L   | 96       |
| 22) 2-Butanone                | 3.860   | 43    | 99095    | 92.582   | ug/L   | 90       |
| 23) Bromochloromethane        | 4.146   | 128   | 61866    | 51.988   | ug/L   | 94       |
| 25) Chloroform                | 4.272   | 83    | 194396   | 52.287   | ug/L   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121123\  
 Data File : VW033251.D  
 Acq On : 12 Dec 2023 06:26  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050357

Quant Time: Dec 12 06:56:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 08 21:51:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 153570   | 52.272  | ug/L  | 99       |
| 29) Cyclohexane               | 4.584  | 56   | 127608   | 46.746  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 190753   | 52.224  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 181107   | 53.325  | ug/L  | 99       |
| 33) Benzene                   | 5.008  | 78   | 386766   | 51.641  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 109724   | 49.038  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.050  | 83   | 160395   | 49.392  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.091  | 63   | 87734    | 50.616  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.432  | 83   | 147526   | 52.794  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 161466   | 51.337  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 203077   | 110.346 | ug/L  | 97       |
| 42) Toluene                   | 7.313  | 91   | 446552   | 52.911  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 162768   | 51.179  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 108429   | 53.952  | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.905  | 164  | 99083    | 51.513  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.072  | 43   | 160827   | 105.402 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.175  | 129  | 131423   | 54.779  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 114304   | 53.347  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.812  | 112  | 307982   | 51.893  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 502909   | 51.769  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 207269   | 53.877  | ug/L  | 93       |
| 54) o-Xylene                  | 9.477  | 106  | 200273   | 52.757  | ug/L  | 97       |
| 55) Styrene                   | 9.493  | 104  | 356516   | 54.288  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 153890   | 56.045  | ug/L  | 96       |
| 59) Bromoform                 | 9.664  | 173  | 106204   | 53.938  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.866  | 105  | 543624   | 51.968  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 122495   | 54.149  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 439539   | 52.152  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 463555   | 52.813  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 287408   | 51.428  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 293750   | 50.601  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 283900   | 51.818  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 37915    | 54.622  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 218952   | 48.912  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 208639   | 50.448  | ug/L  | 99       |
| 71) Naphthalene               | 13.438 | 128  | 577823   | 57.290  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 213732   | 53.558  | ug/L  | 99       |

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

