

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112123\  
 Data File : VW033050.D  
 Acq On : 21 Nov 2023 15:43  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050336

Quant Time: Nov 22 04:07:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM112023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 22 03:48:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532   | 114   | 338842   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 339150   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 207816   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 76773    | 43.335   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 86.660%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 59578    | 43.726   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 87.460%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 32021    | 44.172   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.340%  |
| 21) 2-Butanone-d5             | 3.777   | 46    | 100147   | 88.847   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.850%  |
| 24) Chloroform-d              | 4.246   | 84    | 209446   | 47.971   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.940%  |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65    | 129498   | 47.548   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.100%  |
| 32) Benzene-d6                | 4.957   | 84    | 381619   | 48.319   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.640%  |
| 36) 1,2-Dichloropropane-d6    | 5.985   | 67    | 109689   | 48.977   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 97.960%  |
| 41) Toluene-d8                | 7.239   | 98    | 369179   | 48.966   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.940%  |
| 43) trans-1,3-Dichloroprop... | 7.548   | 79    | 63163    | 48.309   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.620%  |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 84443    | 91.115   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 91.120%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152  | 84    | 153113   | 44.913   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 89.820%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 178211   | 48.089   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.180%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 171042   | 46.723   | ug/L   | 97       |
| 3) Chloromethane              | 1.214   | 50    | 120236   | 44.011   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285   | 62    | 111134   | 43.853   | ug/L   | 98       |
| 6) Bromomethane               | 1.484   | 94    | 72199    | 43.114   | ug/L   | 97       |
| 8) Chloroethane               | 1.548   | 64    | 60120    | 42.890   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 187427   | 45.683   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 92097    | 45.524   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 84947    | 45.477   | ug/L   | 97       |
| 13) Acetone                   | 2.105   | 43    | 81249    | 73.670   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.240   | 76    | 281478   | 45.309   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.368   | 43    | 79572    | 41.155   | ug/L   | 99       |
| 16) Methylene chloride        | 2.445   | 84    | 118514   | 44.783   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 2.693   | 96    | 112483   | 47.054   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.699   | 73    | 346519   | 46.210   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.108   | 63    | 194005   | 45.432   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.809   | 96    | 123437   | 46.053   | ug/L   | 97       |
| 22) 2-Butanone                | 3.857   | 43    | 113708   | 79.626   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.143   | 128   | 68025    | 46.143   | ug/L   | 98       |
| 25) Chloroform                | 4.272   | 83    | 219933   | 45.760   | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112123\  
 Data File : VW033050.D  
 Acq On : 21 Nov 2023 15:43  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050336

Quant Time: Nov 22 04:07:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM112023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 22 03:48:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 173044   | 46.152 | ug/L  | 99       |
| 29) Cyclohexane               | 4.580  | 56   | 159510   | 48.747 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 208859   | 47.150 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.731  | 117  | 191536   | 46.399 | ug/L  | 98       |
| 33) Benzene                   | 5.008  | 78   | 453195   | 48.041 | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 128735   | 48.415 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.050  | 83   | 193123   | 49.971 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 110502   | 47.723 | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.429  | 83   | 164937   | 45.846 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 191858   | 48.130 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 217034   | 85.692 | ug/L  | 97       |
| 42) Toluene                   | 7.313  | 91   | 508021   | 48.602 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 187091   | 46.707 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 118515   | 45.449 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.905  | 164  | 113227   | 48.864 | ug/L  | 96       |
| 48) 2-Hexanone                | 8.072  | 43   | 169521   | 84.603 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.175  | 129  | 140347   | 46.698 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 126055   | 46.156 | ug/L  | 98       |
| 51) Chlorobenzene             | 8.812  | 112  | 345287   | 46.551 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.944  | 91   | 579778   | 48.317 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 229343   | 48.647 | ug/L  | 100      |
| 54) o-Xylene                  | 9.477  | 106  | 219659   | 48.403 | ug/L  | 98       |
| 55) Styrene                   | 9.493  | 104  | 400842   | 49.515 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 158170   | 42.937 | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 109834   | 45.350 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.866  | 105  | 620111   | 49.222 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 127251   | 42.446 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 500319   | 49.498 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 526418   | 49.714 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 319841   | 47.386 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 332079   | 46.286 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 311611   | 46.009 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 35005    | 40.137 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 248605   | 47.376 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 230847   | 48.003 | ug/L  | 98       |
| 71) Naphthalene               | 13.438 | 128  | 549687   | 46.213 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 223476   | 47.930 | ug/L  | 99       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112123\  
Data File : VV033050.D  
Acq On : 21 Nov 2023 15:43  
Operator : SY/MD  
Sample : VSTDC050EC  
Misc : 5mL/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD050336

Quant Time: Nov 22 04:07:21 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM112023WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Nov 22 03:48:12 2023  
Response via : Initial Calibration

