

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV103122\  
 Data File : VV028801.D  
 Acq On : 31 Oct 2022 23:33  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050365

Quant Time: Nov 01 04:59:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM103122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 01 04:42:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613   | 114   | 423354   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847   | 117   | 390054   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239  | 152   | 194291   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 188126   | 46.876   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 93.760%  |
| 7) Chloroethane-d5            | 1.565   | 69    | 174857   | 50.967   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 101.940% |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 368506   | 48.270   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.540%  |
| 21) 2-Butanone-d5             | 3.876   | 46    | 304538   | 104.243  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 104.240% |
| 24) Chloroform-d              | 4.343   | 84    | 298899   | 49.381   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.760%  |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65    | 198102   | 49.486   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.980%  |
| 32) Benzene-d6                | 5.043   | 84    | 599710   | 49.251   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.500%  |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67    | 205245   | 49.097   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 98.200%  |
| 41) Toluene-d8                | 7.310   | 98    | 529050   | 49.423   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.840%  |
| 43) trans-1,3-Dichloroprop... | 7.616   | 79    | 75841    | 47.236   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.480%  |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 199720   | 105.719  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 105.720% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207  | 84    | 272689   | 49.468   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.940%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.616  | 152   | 182226   | 47.515   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.020%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 143431   | 46.068   | ug/L   | 97       |
| 3) Chloromethane              | 1.240   | 50    | 251644   | 48.564   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.311   | 62    | 236951   | 49.783   | ug/L   | 99       |
| 6) Bromomethane               | 1.520   | 94    | 122291   | 46.566   | ug/L   | 97       |
| 8) Chloroethane               | 1.581   | 64    | 174082   | 56.956   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 282785   | 49.959   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101   | 153026   | 47.716   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 153354   | 48.567   | ug/L   | 96       |
| 13) Acetone                   | 2.169   | 43    | 239536   | 84.684   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.291   | 76    | 404890   | 45.970   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.426   | 43    | 242415   | 51.063   | ug/L   | 100      |
| 16) Methylene chloride        | 2.503   | 84    | 188259   | 49.139   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.754   | 96    | 149851   | 49.063   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 518630   | 49.156   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.185   | 63    | 327868   | 49.267   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.902   | 96    | 168221   | 49.918   | ug/L   | 97       |
| 22) 2-Butanone                | 3.960   | 43    | 342247   | 98.490   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.243   | 128   | 78126    | 48.708   | ug/L   | 98       |
| 25) Chloroform                | 4.368   | 83    | 307309   | 49.711   | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV103122\  
 Data File : VV028801.D  
 Acq On : 31 Oct 2022 23:33  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050365

Quant Time: Nov 01 04:59:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM103122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 01 04:42:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 262390   | 51.974  | ug/L  | 100      |
| 29) Cyclohexane               | 4.674  | 56   | 305103   | 49.022  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.603  | 97   | 242713   | 49.366  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 193541   | 49.269  | ug/L  | 100      |
| 33) Benzene                   | 5.095  | 78   | 700072   | 50.981  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 160630   | 50.020  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.127  | 83   | 273583   | 48.034  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 192956   | 50.786  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.503  | 83   | 218267   | 50.567  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 257616   | 49.649  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.220  | 43   | 662628   | 104.867 | ug/L  | 99       |
| 42) Toluene                   | 7.381  | 91   | 706139   | 50.434  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 235469   | 49.074  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.831  | 97   | 161298   | 49.485  | ug/L  | 95       |
| 46) Tetrachloroethene         | 7.969  | 164  | 107885   | 48.473  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.133  | 43   | 510776   | 106.138 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.239  | 129  | 147454   | 48.870  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.346  | 107  | 166036   | 50.555  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.876  | 112  | 418543   | 48.818  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.005  | 91   | 756757   | 50.243  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.133  | 106  | 280589   | 51.076  | ug/L  | 98       |
| 54) o-Xylene                  | 9.535  | 106  | 278321   | 50.747  | ug/L  | 99       |
| 55) Styrene                   | 9.555  | 104  | 485606   | 51.631  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 294653   | 51.218  | ug/L  | 99       |
| 59) Bromoform                 | 9.725  | 173  | 93947    | 48.712  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.924  | 105  | 740275   | 50.144  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.265 | 75   | 227987   | 49.384  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.532 | 105  | 621398   | 50.419  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 616816   | 50.306  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 304821   | 48.945  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.265 | 146  | 304316   | 47.957  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.635 | 146  | 306976   | 48.453  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.419 | 75   | 54629    | 46.447  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.635 | 180  | 206383   | 46.213  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.252 | 180  | 177928   | 46.556  | ug/L  | 98       |
| 71) Naphthalene               | 13.490 | 128  | 566803   | 45.551  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 184098   | 47.591  | ug/L  | 99       |

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

