

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080621\  
 Data File : VV021745.D  
 Acq On : 06 Aug 2021 10:03  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050299

Quant Time: Aug 07 01:42:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 04 01:10:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616   | 114   | 401907   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853   | 117   | 375956   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 198556   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 106005   | 41.999   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 84.000%  |
| 7) Chloroethane-d5            | 1.564   | 69    | 83484    | 40.104   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 80.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63    | 185996   | 41.202   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 82.400%  |
| 21) 2-Butanone-d5             | 3.879   | 46    | 220817   | 101.847  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 101.850% |
| 24) Chloroform-d              | 4.346   | 84    | 256481   | 47.942   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.880%  |
| 26) 1,2-Dichloroethane-d4     | 5.030   | 65    | 154071   | 48.157   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.320%  |
| 32) Benzene-d6                | 5.050   | 84    | 510215   | 47.882   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.760%  |
| 36) 1,2-Dichloropropane-d6    | 6.069   | 67    | 163585   | 48.435   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.880%  |
| 41) Toluene-d8                | 7.317   | 98    | 478178   | 48.502   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.000%  |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 79085    | 47.455   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.920%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 152828   | 103.775  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 103.770% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 215883   | 48.500   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 97.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 196045   | 47.687   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.380%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 130854   | 49.195   | ug/L   | 99       |
| 3) Chloromethane              | 1.240   | 50    | 123494   | 47.097   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.310   | 62    | 130210   | 48.732   | ug/L   | 99       |
| 6) Bromomethane               | 1.519   | 94    | 80256    | 54.633   | ug/L   | 99       |
| 8) Chloroethane               | 1.580   | 64    | 70524    | 43.148   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 195562   | 50.282   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101   | 103709   | 47.275   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 90614    | 45.055   | ug/L   | 95       |
| 13) Acetone                   | 2.169   | 43    | 158818   | 111.663  | ug/L   | 100      |
| 14) Carbon disulfide          | 2.291   | 76    | 257108   | 47.699   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.429   | 43    | 148797   | 50.118   | ug/L   | 98       |
| 16) Methylene chloride        | 2.503   | 84    | 136957   | 50.021   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 118810   | 50.066   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 416602   | 49.825   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.188   | 63    | 233275   | 50.405   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.908   | 96    | 142104   | 50.574   | ug/L   | 96       |
| 22) 2-Butanone                | 3.963   | 43    | 222071   | 107.294  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.246   | 128   | 74356    | 49.257   | ug/L   | 96       |
| 25) Chloroform                | 4.375   | 83    | 243470   | 50.141   | ug/L   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050299

Quant Time: Aug 07 01:42:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080221WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 04 01:10:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 169625   | 49.412  | ug/L  | 99       |
| 29) Cyclohexane               | 4.677  | 56   | 186758   | 49.649  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 213325   | 50.264  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 180642   | 49.468  | ug/L  | 100      |
| 33) Benzene                   | 5.098  | 78   | 513723   | 50.812  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 147040   | 51.331  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.130  | 83   | 199656   | 51.124  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 137064   | 50.880  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.510  | 83   | 182406   | 49.589  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 220444   | 51.643  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 405502   | 103.327 | ug/L  | 99       |
| 42) Toluene                   | 7.387  | 91   | 558178   | 51.205  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 205707   | 50.273  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 140856   | 51.344  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.976  | 164  | 108692   | 51.344  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.140  | 43   | 310518   | 103.234 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.246  | 129  | 155820   | 49.869  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 148177   | 50.835  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.882  | 112  | 366255   | 50.284  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 602984   | 50.947  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.140  | 106  | 234142   | 50.969  | ug/L  | 100      |
| 54) o-Xylene                  | 9.545  | 106  | 232436   | 50.282  | ug/L  | 99       |
| 55) Styrene                   | 9.561  | 104  | 406347   | 52.466  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 205272   | 50.129  | ug/L  | 98       |
| 59) Bromoform                 | 9.734  | 173  | 113783   | 49.552  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.934  | 105  | 619737   | 50.524  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 177923   | 50.417  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 521700   | 50.233  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 532170   | 50.349  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 297140   | 50.272  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 301206   | 50.641  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 305139   | 50.539  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 44712    | 48.128  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 222403   | 50.565  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 189503   | 51.105  | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 553871   | 51.595  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 191657   | 52.017  | ug/L  | 99       |

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

