

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW031022\  
 Data File : VW024928.D  
 Acq On : 10 Mar 2022 20:31  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050285

Quant Time: Mar 11 02:51:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022822WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 11 02:45:24 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616   | 114   | 283700   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 279526   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246  | 152   | 143079   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307   | 65    | 110118   | 38.173   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 76.340%  |
| 7) Chloroethane-d5            | 1.568   | 69    | 88393    | 39.056   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 78.120%  |
| 11) 1,1-Dichloroethene-d2     | 2.111   | 63    | 195426   | 40.363   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 80.720%  |
| 21) 2-Butanone-d5             | 3.895   | 46    | 144969   | 88.305   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.310%  |
| 24) Chloroform-d              | 4.349   | 84    | 211880   | 42.076   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.160%  |
| 26) 1,2-Dichloroethane-d4     | 5.030   | 65    | 122181   | 41.122   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.240%  |
| 32) Benzene-d6                | 5.050   | 84    | 428683   | 41.376   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.760%  |
| 36) 1,2-Dichloropropane-d6    | 6.069   | 67    | 132494   | 41.045   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 82.100%  |
| 41) Toluene-d8                | 7.313   | 98    | 384551   | 41.896   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 83.800%  |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 59884    | 42.694   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 85.380%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 104489   | 85.278   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 85.280%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214  | 84    | 166564   | 43.504   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 87.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 136003   | 41.265   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 82.520%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130   | 85    | 133766   | 49.940   | ug/L   | 99       |
| 3) Chloromethane              | 1.243   | 50    | 128883   | 46.510   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.310   | 62    | 138626   | 48.757   | ug/L   | 100      |
| 6) Bromomethane               | 1.523   | 94    | 87212    | 51.347   | ug/L   | 99       |
| 8) Chloroethane               | 1.587   | 64    | 85191    | 51.127   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.754   | 101   | 185931   | 51.136   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117   | 101   | 108721   | 50.421   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.121   | 96    | 104074   | 49.560   | ug/L   | 79       |
| 13) Acetone                   | 2.188   | 43    | 100433   | 80.116   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.294   | 76    | 316198   | 49.289   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.436   | 43    | 115732   | 53.742   | ug/L   | 97       |
| 16) Methylene chloride        | 2.506   | 84    | 127373   | 51.791   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.760   | 96    | 118963   | 52.381   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.770   | 73    | 369236   | 53.322   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.188   | 63    | 213323   | 52.095   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.912   | 96    | 131402   | 53.451   | ug/L   | 96       |
| 22) 2-Butanone                | 3.976   | 43    | 162433   | 113.001  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.246   | 128   | 65067    | 52.923   | ug/L   | 97       |
| 25) Chloroform                | 4.375   | 83    | 226321   | 53.206   | ug/L   | 98       |

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 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050285

Quant Time: Mar 11 02:51:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM022822WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 11 02:45:24 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 156842   | 52.838  | ug/L  | 99       |
| 29) Cyclohexane               | 4.677  | 56   | 186294   | 50.950  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 193418   | 52.549  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 163210   | 52.152  | ug/L  | 99       |
| 33) Benzene                   | 5.098  | 78   | 500273   | 53.031  | ug/L  | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 136206   | 52.669  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.130  | 83   | 203728   | 51.924  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 127096   | 53.690  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.506  | 83   | 165088   | 53.219  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 194344   | 54.548  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 309441   | 109.640 | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 528781   | 53.717  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 176039   | 53.782  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 125727   | 54.662  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.976  | 164  | 86677    | 51.897  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.136  | 43   | 231709   | 104.316 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.243  | 129  | 125186   | 56.321  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 129280   | 54.502  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.879  | 112  | 330661   | 53.248  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 560232   | 53.960  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 215708   | 54.070  | ug/L  | 99       |
| 54) o-Xylene                  | 9.541  | 106  | 211897   | 54.969  | ug/L  | 100      |
| 55) Styrene                   | 9.558  | 104  | 369530   | 56.498  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 172934   | 53.754  | ug/L  | 98       |
| 59) Bromoform                 | 9.728  | 173  | 74481    | 57.144  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 559048   | 53.802  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 152259   | 53.183  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 382000   | 54.488  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 471028   | 54.816  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 240384   | 52.720  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 244574   | 52.393  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 239960   | 52.291  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 35528    | 54.361  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 163004   | 52.960  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 143041   | 53.340  | ug/L  | 98       |
| 71) Naphthalene               | 13.500 | 128  | 488739   | 56.251  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 144631   | 54.694  | ug/L  | 99       |

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

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