

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW063022\  
 Data File : VW026615.D  
 Acq On : 30 Jun 2022 18:25  
 Operator : SY/MD  
 Sample : VSTDCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050303

Quant Time: Jul 01 00:24:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062922WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 01 00:19:36 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.622   | 114   | 369530   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853   | 117   | 372575   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 213524   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.320   | 65    | 123280   | 40.926   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 81.860%  |
| 7) Chloroethane-d5            | 1.580   | 69    | 110943   | 42.945   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 85.880%  |
| 11) 1,1-Dichloroethene-d2     | 2.121   | 63    | 250288   | 44.109   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.220%  |
| 21) 2-Butanone-d5             | 3.911   | 46    | 173371   | 114.957  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 114.960% |
| 24) Chloroform-d              | 4.358   | 84    | 274418   | 47.180   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.360%  |
| 26) 1,2-Dichloroethane-d4     | 5.040   | 65    | 153853   | 46.487   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.980%  |
| 32) Benzene-d6                | 5.056   | 84    | 507185   | 44.768   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.540%  |
| 36) 1,2-Dichloropropane-d6    | 6.075   | 67    | 166729   | 46.723   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.440%  |
| 41) Toluene-d8                | 7.316   | 98    | 463402   | 46.568   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.140%  |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 66838    | 46.651   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.300%  |
| 47) 2-Hexanone-d5             | 8.091   | 63    | 130491   | 105.732  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 105.730% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.213  | 84    | 258663   | 50.203   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 100.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622  | 152   | 191015   | 45.709   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.420%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.143   | 85    | 127165   | 47.858   | ug/L   | 99       |
| 3) Chloromethane              | 1.252   | 50    | 161399   | 48.989   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.323   | 62    | 169119   | 48.594   | ug/L   | 98       |
| 6) Bromomethane               | 1.535   | 94    | 100666   | 45.948   | ug/L   | 100      |
| 8) Chloroethane               | 1.596   | 64    | 111665   | 47.816   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.764   | 101   | 239111   | 48.968   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.127   | 101   | 141427   | 49.336   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.130   | 96    | 137401   | 48.651   | ug/L   | 92       |
| 13) Acetone                   | 2.201   | 43    | 86371    | 78.657   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.304   | 76    | 369198   | 47.141   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.452   | 43    | 124315   | 53.899   | ug/L   | 99       |
| 16) Methylene chloride        | 2.519   | 84    | 159195   | 48.017   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.773   | 96    | 139661   | 47.932   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.786   | 73    | 400488   | 49.008   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.201   | 63    | 259152   | 49.132   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.921   | 96    | 153198   | 49.212   | ug/L   | 94       |
| 22) 2-Butanone                | 3.995   | 43    | 149389   | 101.528  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.259   | 128   | 86500    | 49.127   | ug/L   | 95       |
| 25) Chloroform                | 4.384   | 83    | 276843   | 49.594   | ug/L   | 98       |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050303

Quant Time: Jul 01 00:24:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062922WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 01 00:19:36 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.137  | 62   | 191358   | 50.723  | ug/L  | 99       |
| 29) Cyclohexane               | 4.686  | 56   | 194310   | 49.073  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.619  | 97   | 241782   | 49.674  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.837  | 117  | 204104   | 49.941  | ug/L  | 100      |
| 33) Benzene                   | 5.108  | 78   | 607399   | 50.281  | ug/L  | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 144673   | 47.450  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.136  | 83   | 225186   | 48.480  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.178  | 63   | 155824   | 49.521  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 197981   | 48.963  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 207486   | 48.969  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 346446   | 109.081 | ug/L  | 100      |
| 42) Toluene                   | 7.390  | 91   | 653913   | 51.632  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 195519   | 50.038  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 161196   | 50.469  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.976  | 164  | 118592   | 48.130  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.143  | 43   | 267807   | 112.009 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.246  | 129  | 153330   | 49.873  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 162236   | 50.052  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.882  | 112  | 415387   | 48.597  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 656159   | 50.891  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 262946   | 52.034  | ug/L  | 99       |
| 54) o-Xylene                  | 9.545  | 106  | 250995   | 51.297  | ug/L  | 97       |
| 55) Styrene                   | 9.561  | 104  | 462773   | 54.342  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 257034   | 51.707  | ug/L  | 99       |
| 59) Bromoform                 | 9.731  | 173  | 92414    | 49.169  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 649885   | 49.974  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 185677   | 48.561  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 522561   | 49.543  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 529809   | 50.445  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 315328   | 47.882  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 327449   | 47.949  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 325532   | 48.509  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 42859    | 50.189  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 209141   | 46.140  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 172792   | 45.351  | ug/L  | 98       |
| 71) Naphthalene               | 13.500 | 128  | 537408   | 49.067  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 188789   | 48.808  | ug/L  | 100      |

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

