

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062222\  
 Data File : VU049367.D  
 Acq On : 23 Jun 2022 10:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050156

Quant Time: Jun 24 01:07:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 23 02:04:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 243562   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 229540   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 119141   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 77361    | 51.558   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 103.120% |
| 7) Chloroethane-d5            | 1.909   | 69    | 52168    | 47.352   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 94.700%  |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 141650   | 50.030   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.060% |
| 21) 2-Butanone-d5             | 4.626   | 46    | 181914   | 110.580  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 110.580% |
| 24) Chloroform-d              | 5.063   | 84    | 166594   | 52.047   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.100% |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 101826   | 49.103   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.200%  |
| 32) Benzene-d6                | 5.729   | 84    | 294650   | 51.767   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.540% |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 106941   | 55.889   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 111.780% |
| 41) Toluene-d8                | 7.899   | 98    | 267505   | 53.291   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 106.580% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 49613    | 55.114   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 110.220% |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 117159   | 116.990  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 116.990% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 162830   | 50.950   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 101.900% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 108339   | 52.262   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.520% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 96656    | 44.970   | ug/L   | 99       |
| 3) Chloromethane              | 1.520   | 50    | 103750   | 45.794   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.604   | 62    | 101246   | 47.141   | ug/L   | 96       |
| 6) Bromomethane               | 1.855   | 94    | 56227    | 47.329   | ug/L   | 100      |
| 8) Chloroethane               | 1.932   | 64    | 56922    | 47.453   | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 2.137   | 101   | 141934   | 46.956   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581   | 101   | 83724    | 48.794   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.578   | 96    | 71810    | 47.810   | ug/L   | 96       |
| 13) Acetone                   | 2.636   | 43    | 161472   | 124.736  | ug/L   | 100      |
| 14) Carbon disulfide          | 2.793   | 76    | 173635   | 45.460   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.951   | 43    | 134287   | 52.302   | ug/L   | 96       |
| 16) Methylene chloride        | 3.044   | 84    | 94826    | 48.481   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 3.353   | 96    | 78476    | 47.519   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.363   | 73    | 305238   | 49.407   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.871   | 63    | 176618   | 49.643   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 96853    | 48.205   | ug/L   | 98       |
| 22) 2-Butanone                | 4.707   | 43    | 218810   | 109.992  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.973   | 128   | 49765    | 47.192   | ug/L   | 91       |
| 25) Chloroform                | 5.089   | 83    | 182890   | 49.326   | ug/L   | 99       |

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 MSVOA\_U  
 ClientSampleId :  
 VSTD050156

Quant Time: Jun 24 01:07:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 23 02:04:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 141734   | 46.958  | ug/L  | 99       |
| 29) Cyclohexane               | 5.388  | 56   | 142651   | 55.531  | ug/L  | 94       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 154432   | 48.243  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 132477   | 47.319  | ug/L  | 100      |
| 33) Benzene                   | 5.774  | 78   | 379713   | 51.060  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 95894    | 51.157  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.764  | 83   | 146818   | 56.112  | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 109363   | 52.151  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.105  | 83   | 141148   | 50.696  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 162866   | 52.781  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 379704   | 107.473 | ug/L  | 98       |
| 42) Toluene                   | 7.970  | 91   | 403157   | 52.451  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 157082   | 51.410  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 101192   | 49.798  | ug/L  | 97       |
| 46) Tetrachloroethene         | 8.555  | 164  | 68120    | 46.874  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.687  | 43   | 311528   | 108.463 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.809  | 129  | 108724   | 48.055  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 107183   | 50.139  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.449  | 112  | 248623   | 47.850  | ug/L  | 96       |
| 52) Ethylbenzene              | 9.571  | 91   | 442742   | 52.977  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 163696   | 49.879  | ug/L  | 88       |
| 54) o-Xylene                  | 10.102 | 106  | 163878   | 49.562  | ug/L  | 88       |
| 55) Styrene                   | 10.115 | 104  | 282365   | 51.136  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 188229   | 49.706  | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 82634    | 46.997  | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 146419   | 48.450  | ug/L  | 98       |
| 61) Isopropylbenzene          | 10.484 | 105  | 443067   | 54.748  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 387348   | 56.063  | ug/L  | 96       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 300371   | 54.606  | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 194510   | 48.997  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 191041   | 47.530  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 198227   | 48.116  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 46980    | 47.101  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 141178   | 49.781  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 119208   | 49.708  | ug/L  | 98       |
| 71) Naphthalene               | 14.086 | 128  | 393202   | 46.344  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 122262   | 48.197  | ug/L  | 98       |

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

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