

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102022\  
 Data File : VU051466.D  
 Acq On : 20 Oct 2022 11:33  
 Operator : JC/MD  
 Sample : VSTD20047  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD200047

Quant Time: Oct 20 21:40:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM102022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 20 21:37:38 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114  | 532802   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117  | 564205   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152  | 316136   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65   | 772608   | 148.667 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.884  | 69   | 642631   | 133.021 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 63   | 1355610  | 172.234 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.617  | 46   | 1296808  | 377.719 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.060  | 84   | 1450860  | 169.247 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65   | 879586   | 166.069 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.723  | 84   | 2980950  | 181.796 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67   | 973071   | 182.779 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.896  | 98   | 2842615  | 187.081 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79   | 480144   | 191.736 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.632  | 63   | 1117724  | 510.834 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84   | 1751815  | 188.936 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152  | 1189579  | 180.935 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.382  | 85   | 815527   | 180.854 | ug/L  | 100      |
| 3) Chloromethane              | 1.523  | 50   | 1035629  | 192.924 | ug/L  | 98       |
| 5) Vinyl chloride             | 1.604  | 62   | 1064935  | 187.618 | ug/L  | 100      |
| 6) Bromomethane               | 1.829  | 94   | 409871   | 94.032  | ug/L  | 99       |
| 8) Chloroethane               | 1.909  | 64   | 629711   | 153.620 | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.125  | 101  | 1206369  | 161.901 | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.572  | 101  | 718720   | 175.732 | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.572  | 96   | 721752   | 187.820 | ug/L  | 97       |
| 13) Acetone                   | 2.623  | 43   | 1046939  | 357.094 | ug/L  | 97       |
| 14) Carbon disulfide          | 2.787  | 76   | 2380137  | 205.887 | ug/L  | 100      |
| 15) Methyl Acetate            | 2.941  | 43   | 954410   | 186.165 | ug/L  | 99       |
| 16) Methylene chloride        | 3.041  | 84   | 919012   | 167.745 | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 3.346  | 96   | 783084   | 192.264 | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 3.359  | 73   | 2470737  | 203.041 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.864  | 63   | 1466844  | 189.823 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.662  | 96   | 903068   | 200.503 | ug/L  | 97       |
| 22) 2-Butanone                | 4.697  | 43   | 1569237  | 403.388 | ug/L  | 99       |
| 23) Bromochloromethane        | 4.970  | 128  | 472325   | 191.428 | ug/L  | 98       |
| 25) Chloroform                | 5.083  | 83   | 1495601  | 179.533 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.790  | 62   | 1157528  | 180.705 | ug/L  | 99       |
| 29) Cyclohexane               | 5.385  | 56   | 1316671  | 232.769 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.311  | 97   | 1218111  | 182.855 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.520  | 117  | 1005183  | 184.058 | ug/L  | 100      |
| 33) Benzene                   | 5.771  | 78   | 3523442  | 201.423 | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 842951   | 188.930 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.761  | 83   | 1404949  | 226.853 | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.787  | 63   | 933645   | 197.995 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.102  | 83   | 1178777  | 188.973 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.604  | 75   | 1487322  | 224.948 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 3079000  | 455.339 | ug/L  | 98       |
| 42) Toluene                   | 7.967  | 91   | 3830276  | 205.799 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 1442241  | 217.172 | ug/L  | 98       |

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 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 20 21:37:38 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 952763   | 189.169 | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.552  | 164  | 627258   | 184.230 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.684  | 43   | 2533798  | 416.433 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.809  | 129  | 1035104  | 196.490 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 1028854  | 190.039 | ug/L  | 99       |
| 51) Chlorobenzene             | 9.446  | 112  | 2475297  | 197.817 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.568  | 91   | 4264957  | 218.992 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.690  | 106  | 1652137  | 222.649 | ug/L  | 97       |
| 54) o-Xylene                  | 10.099 | 106  | 1673439  | 226.205 | ug/L  | 100      |
| 55) Styrene                   | 10.111 | 104  | 3005008  | 234.754 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 1888631  | 210.114 | ug/L  | 100      |
| 59) Bromoform                 | 10.288 | 173  | 833114   | 180.014 | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 1450881  | 174.244 | ug/L  | 100      |
| 61) Isopropylbenzene          | 10.481 | 105  | 4297333  | 209.112 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 3951583  | 236.317 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 3948197  | 232.409 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 2033063  | 190.593 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 2039155  | 192.096 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 2052830  | 191.546 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 421275   | 178.081 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 1440636  | 202.102 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 1255244  | 217.270 | ug/L  | 100      |
| 71) Naphthalene               | 14.082 | 128  | 4471599  | 219.411 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 1293644  | 200.282 | ug/L  | 99       |

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

