

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071922\  
 Data File : VU049794.D  
 Acq On : 19 Jul 2022 18:49  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050170

Quant Time: Jul 20 02:19:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 19 02:09:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247   | 114   | 185831   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 175571   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 86834    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.594   | 65    | 75634    | 48.238   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 96.480%  |
| 7) Chloroethane-d5            | 1.899   | 69    | 56966    | 50.263   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 100.520% |
| 11) 1,1-Dichloroethene-d2     | 2.562   | 63    | 130333   | 47.059   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.120%  |
| 21) 2-Butanone-d5             | 4.623   | 46    | 149090   | 111.386  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 111.390% |
| 24) Chloroform-d              | 5.063   | 84    | 147262   | 53.028   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 106.060% |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 100310   | 53.370   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 106.740% |
| 32) Benzene-d6                | 5.726   | 84    | 269893   | 50.600   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.200% |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 93972    | 52.380   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 104.760% |
| 41) Toluene-d8                | 7.896   | 98    | 236601   | 50.937   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.880% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 39282    | 51.969   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 103.940% |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 85556    | 106.015  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 106.020% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 134778   | 53.690   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 107.380% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 86065    | 52.568   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 105.140% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382   | 85    | 101834   | 45.716   | ug/L   | 100      |
| 3) Chloromethane              | 1.520   | 50    | 125960   | 51.523   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.600   | 62    | 102412   | 46.358   | ug/L   | 100      |
| 6) Bromomethane               | 1.838   | 94    | 54546    | 53.440   | ug/L   | 100      |
| 8) Chloroethane               | 1.922   | 64    | 59915    | 48.959   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.131   | 101   | 129926   | 47.623   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575   | 101   | 67148    | 46.905   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.575   | 96    | 62166    | 46.789   | ug/L   | 98       |
| 13) Acetone                   | 2.626   | 43    | 115385   | 90.708   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.787   | 76    | 178811   | 39.910   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.948   | 43    | 122066   | 59.066   | ug/L   | 99       |
| 16) Methylene chloride        | 3.041   | 84    | 92667    | 55.386   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.350   | 96    | 71072    | 48.899   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 3.362   | 73    | 272436   | 54.724   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 162860   | 53.822   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 87107    | 53.326   | ug/L   | 96       |
| 22) 2-Butanone                | 4.700   | 43    | 183960   | 108.016  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.973   | 128   | 44840    | 55.014   | ug/L   | 96       |
| 25) Chloroform                | 5.086   | 83    | 168838   | 55.644   | ug/L   | 98       |

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 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050170

Quant Time: Jul 20 02:19:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 19 02:09:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 140045   | 54.204  | ug/L  | 99       |
| 29) Cyclohexane               | 5.388  | 56   | 118907   | 43.389  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.314  | 97   | 134376   | 52.867  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 105281   | 50.643  | ug/L  | 98       |
| 33) Benzene                   | 5.774  | 78   | 347851   | 52.709  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 79496    | 49.833  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.761  | 83   | 108968   | 43.469  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 100435   | 54.906  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 123041   | 54.253  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 129645   | 52.552  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 343471   | 115.988 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 343512   | 52.373  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 127108   | 54.874  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 89093    | 55.801  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.552  | 164  | 53003    | 47.906  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.684  | 43   | 272665   | 115.224 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.809  | 129  | 90487    | 56.348  | ug/L  | 92       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 93438    | 58.914  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.446  | 112  | 206727   | 52.046  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 352409   | 50.916  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 129780   | 51.566  | ug/L  | 99       |
| 54) o-Xylene                  | 10.098 | 106  | 135187   | 53.346  | ug/L  | 98       |
| 55) Styrene                   | 10.115 | 104  | 228206   | 54.567  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 160645   | 56.208  | ug/L  | 98       |
| 59) Bromoform                 | 10.291 | 173  | 63951    | 54.910  | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 131548   | 56.876  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 331391   | 51.110  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 285616   | 52.223  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 281448   | 51.800  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 146204   | 51.655  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 141944   | 49.924  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 157266   | 53.434  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 38451    | 56.736  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 97554    | 49.187  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 84607    | 46.486  | ug/L  | 97       |
| 71) Naphthalene               | 14.085 | 128  | 324797   | 49.919  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 94949    | 50.362  | ug/L  | 99       |

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

