

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072122\  
 Data File : VU049834.D  
 Acq On : 21 Jul 2022 16:59  
 Operator : SY/MD  
 Sample : N3792-13MSD  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBUN5MSD

Quant Time: Jul 22 04:14:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 22 03:08:56 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 180983   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 171177   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 82603    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.594   | 65    | 59351    | 38.867   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 77.740%  |
| 7) Chloroethane-d5            | 1.900   | 69    | 48590    | 44.021   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 88.040%  |
| 11) 1,1-Dichloroethene-d2     | 2.562   | 63    | 112319   | 41.641   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 83.280%  |
| 21) 2-Butanone-d5             | 4.623   | 46    | 155224   | 119.075  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 119.080% |
| 24) Chloroform-d              | 5.063   | 84    | 136135   | 50.334   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.660% |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 93123    | 50.873   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.740% |
| 32) Benzene-d6                | 5.726   | 84    | 239200   | 45.997   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 85789    | 49.046   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 98.100%  |
| 41) Toluene-d8                | 7.899   | 98    | 204075   | 45.063   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.120%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 36831    | 49.977   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.960%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 83882    | 106.609  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 106.610% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 130797   | 53.442   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 106.880% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 76535    | 49.142   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.280%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382   | 85    | 98358    | 45.338   | ug/L   | 97       |
| 3) Chloromethane              | 1.527   | 50    | 123286   | 51.780   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.601   | 62    | 101706   | 47.272   | ug/L   | 99       |
| 6) Bromomethane               | 1.835   | 94    | 50907    | 51.211   | ug/L   | 99       |
| 8) Chloroethane               | 1.919   | 64    | 57633    | 48.356   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.128   | 101   | 130568   | 49.140   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575   | 101   | 65398    | 46.906   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.572   | 96    | 61086    | 47.208   | ug/L   | 92       |
| 13) Acetone                   | 2.626   | 43    | 117949   | 95.208   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.787   | 76    | 178874   | 40.993   | ug/L   | 97       |
| 15) Methyl Acetate            | 2.948   | 43    | 122418   | 60.823   | ug/L   | 99       |
| 16) Methylene chloride        | 3.041   | 84    | 87564    | 53.738   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.350   | 96    | 71495    | 50.508   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.363   | 73    | 275347   | 56.790   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 160090   | 54.323   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 85508    | 53.749   | ug/L   | 100      |
| 22) 2-Butanone                | 4.700   | 43    | 195555   | 117.900  | ug/L   | 98       |
| 23) Bromochloromethane        | 4.973   | 128   | 44881    | 56.540   | ug/L   | 92       |
| 25) Chloroform                | 5.089   | 83    | 167171   | 56.570   | ug/L   | 100      |

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 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 22 03:08:56 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 140969   | 56.023  | ug/L  | 98       |
| 29) Cyclohexane               | 5.388  | 56   | 117495   | 43.975  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 5.314  | 97   | 134285   | 54.187  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 106799   | 52.692  | ug/L  | 99       |
| 33) Benzene                   | 5.774  | 78   | 341883   | 53.135  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 76938    | 49.468  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.761  | 83   | 107222   | 43.871  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 99957    | 56.048  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 124384   | 56.253  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 136498   | 56.750  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 359144   | 124.394 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 340884   | 53.306  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 130368   | 57.726  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 89269    | 57.346  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.552  | 164  | 54432    | 50.460  | ug/L  | 93       |
| 48) 2-Hexanone                | 8.684  | 43   | 290133   | 125.753 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 91817    | 58.644  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 91974    | 59.479  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.446  | 112  | 208807   | 53.920  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 347163   | 51.446  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 127694   | 52.040  | ug/L  | 98       |
| 54) o-Xylene                  | 10.102 | 106  | 132326   | 53.557  | ug/L  | 98       |
| 55) Styrene                   | 10.115 | 104  | 227317   | 55.749  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 164358   | 58.983  | ug/L  | 100      |
| 59) Bromoform                 | 10.291 | 173  | 66159    | 59.715  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 134242   | 61.013  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 329904   | 53.487  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 280513   | 53.917  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 278581   | 53.899  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 142991   | 53.107  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 142976   | 52.863  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 152480   | 54.462  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 39787    | 61.715  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 97249    | 51.545  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 81994    | 47.357  | ug/L  | 97       |
| 71) Naphthalene               | 14.089 | 128  | 338474   | 54.686  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 94294    | 52.576  | ug/L  | 100      |

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

