

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U092122\  
 Data File : VU050883.D  
 Acq On : 21 Sep 2022 18:23  
 Operator : JC/MD  
 Sample : VIBLK137  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK137

Quant Time: Sep 22 02:15:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 22 02:11:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247   | 114   | 352380   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 334848   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 154994   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 140454   | 38.471   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 76.940%  |
| 7) Chloroethane-d5            | 1.896   | 69    | 115915   | 44.580   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 89.160%  |
| 11) 1,1-Dichloroethene-d2     | 2.562   | 63    | 248480   | 43.740   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 87.480%  |
| 21) 2-Butanone-d5             | 4.620   | 46    | 295629   | 125.425  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 125.430% |
| 24) Chloroform-d              | 5.060   | 84    | 264191   | 46.176   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.360%  |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 162332   | 46.039   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.080%  |
| 32) Benzene-d6                | 5.726   | 84    | 508167   | 46.075   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.140%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 173056   | 46.485   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 92.960%  |
| 41) Toluene-d8                | 7.896   | 98    | 443733   | 46.026   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.060%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 73197    | 45.196   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.400%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 182575   | 119.004  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 119.000% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754  | 84    | 282460   | 49.765   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 99.520%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 149793   | 46.159   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.320%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382   | 85    | 187992   | 51.522   | ug/L   | 100      |
| 3) Chloromethane              | 1.520   | 50    | 207991   | 49.032   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.600   | 62    | 226114   | 54.449   | ug/L   | 98       |
| 6) Bromomethane               | 1.835   | 94    | 120192   | 57.290   | ug/L   | 99       |
| 8) Chloroethane               | 1.919   | 64    | 139549   | 60.693   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.131   | 101   | 242018   | 53.728   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575   | 101   | 151124   | 52.416   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.575   | 96    | 138186   | 51.009   | ug/L   | 92       |
| 13) Acetone                   | 2.623   | 43    | 214097   | 107.275  | ug/L   | 98       |
| 14) Carbon disulfide          | 2.787   | 76    | 429506   | 50.138   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.944   | 43    | 219261   | 58.216   | ug/L   | 99       |
| 16) Methylene chloride        | 3.041   | 84    | 168018   | 44.667   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.349   | 96    | 145407   | 52.368   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 3.362   | 73    | 433927   | 51.264   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.864   | 63    | 364077   | 64.893   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 193665   | 62.906   | ug/L   | 100      |
| 22) 2-Butanone                | 4.697   | 43    | 332123   | 126.249  | ug/L   | 100      |
| 23) Bromochloromethane        | 4.970   | 128   | 82516    | 51.140   | ug/L   | 98       |
| 25) Chloroform                | 5.086   | 83    | 287925   | 51.494   | ug/L   | 98       |

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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK137

Quant Time: Sep 22 02:15:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 22 02:11:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 222593   | 52.385  | ug/L  | 100      |
| 29) Cyclohexane               | 5.388  | 56   | 239948   | 52.071  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.314  | 97   | 263254   | 59.095  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.523  | 117  | 198640   | 53.676  | ug/L  | 98       |
| 33) Benzene                   | 5.774  | 78   | 652646   | 52.962  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 153540   | 53.639  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.761  | 83   | 238298   | 51.667  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 174887   | 51.864  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 211806   | 52.720  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 229349   | 50.826  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 568829   | 122.403 | ug/L  | 100      |
| 42) Toluene                   | 7.967  | 91   | 672312   | 54.958  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 218216   | 50.836  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 163246   | 52.533  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.552  | 164  | 107221   | 52.125  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.684  | 43   | 484060   | 124.656 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 159352   | 52.299  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 171416   | 53.167  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.446  | 112  | 377121   | 50.495  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.571  | 91   | 626341   | 51.323  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 241352   | 53.194  | ug/L  | 100      |
| 54) o-Xylene                  | 10.102 | 106  | 241896   | 53.508  | ug/L  | 96       |
| 55) Styrene                   | 10.111 | 104  | 410637   | 52.979  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 303977   | 52.865  | ug/L  | 99       |
| 59) Bromoform                 | 10.288 | 173  | 120407   | 53.823  | ug/L  | 98       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 247196   | 56.701  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 606584   | 54.763  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 485054   | 53.271  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 478361   | 53.049  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 259656   | 51.262  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 256060   | 49.794  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 276806   | 51.611  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 75625    | 63.070  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 165726   | 46.763  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 131561   | 45.363  | ug/L  | 99       |
| 71) Naphthalene               | 14.085 | 128  | 562250   | 50.443  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 158072   | 48.699  | ug/L  | 100      |

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

