

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041122\  
 Data File : VU047939.D  
 Acq On : 12 Apr 2022 04:23  
 Operator : SY/MD  
 Sample : VSTDCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050193

Quant Time: Apr 12 05:08:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 12 04:48:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|-------|----------|
| -----                         |         |       |          |          |       |          |
| Internal Standards            |         |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 347205   | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 359791   | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 208595   | 50.000   | ug/L  | 0.00     |
|                               |         |       |          |          |       |          |
| System Monitoring Compounds   |         |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 139408   | 55.369   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =     | 110.740% |
| 7) Chloroethane-d5            | 1.912   | 69    | 116287   | 58.574   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =     | 117.140% |
| 11) 1,1-Dichloroethene-d2     | 2.571   | 63    | 236768   | 51.398   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 102.800% |
| 21) 2-Butanone-d5             | 4.620   | 46    | 231179   | 106.973  | ug/L  | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =     | 106.970% |
| 24) Chloroform-d              | 5.067   | 84    | 257928   | 55.987   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 111.980% |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 160398   | 56.768   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 113.540% |
| 32) Benzene-d6                | 5.729   | 84    | 517086   | 57.115   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 114.240% |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 163650   | 58.859   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =     | 117.720% |
| 41) Toluene-d8                | 7.899   | 98    | 489262   | 55.468   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 110.940% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 69466    | 49.316   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 98.640%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 167603   | 102.974  | ug/L  | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =     | 102.970% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 256908   | 53.841   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =     | 107.680% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 203921   | 54.949   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 109.900% |
|                               |         |       |          |          |       |          |
| Target Compounds              |         |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 157443   | 48.912   | ug/L  | 99       |
| 3) Chloromethane              | 1.523   | 50    | 161953   | 52.610   | ug/L  | 99       |
| 5) Vinyl chloride             | 1.607   | 62    | 164648   | 52.443   | ug/L  | 100      |
| 6) Bromomethane               | 1.854   | 94    | 98305    | 58.175   | ug/L  | 99       |
| 8) Chloroethane               | 1.935   | 64    | 103374   | 52.450   | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.141   | 101   | 213164   | 48.148   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584   | 101   | 126648   | 49.489   | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.581   | 96    | 119853   | 50.323   | ug/L  | 96       |
| 13) Acetone                   | 2.623   | 43    | 147195   | 73.191   | ug/L  | 97       |
| 14) Carbon disulfide          | 2.797   | 76    | 326234   | 43.334   | ug/L  | 100      |
| 15) Methyl Acetate            | 2.948   | 43    | 158953   | 49.566   | ug/L  | 97       |
| 16) Methylene chloride        | 3.047   | 84    | 144716   | 52.951   | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 3.356   | 96    | 129924   | 50.576   | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 3.366   | 73    | 393953   | 54.358   | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.874   | 63    | 241801   | 54.577   | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 150175   | 53.324   | ug/L  | 97       |
| 22) 2-Butanone                | 4.700   | 43    | 232421   | 89.716   | ug/L  | 96       |
| 23) Bromochloromethane        | 4.977   | 128   | 82613    | 53.427   | ug/L  | 97       |
| 25) Chloroform                | 5.092   | 83    | 256016   | 53.673   | ug/L  | 98       |

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 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050193

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 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 12 04:48:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 193572   | 52.527  | ug/L  | 97       |
| 29) Cyclohexane               | 5.391  | 56   | 192924   | 52.843  | ug/L  | 94       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 210839   | 51.681  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 175544   | 47.651  | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 565527   | 54.303  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 141604   | 51.864  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.764  | 83   | 203815   | 49.069  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 149190   | 56.352  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 185406   | 50.998  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 196786   | 47.905  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 427147   | 102.084 | ug/L  | 98       |
| 42) Toluene                   | 7.970  | 91   | 614452   | 53.772  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 196246   | 47.847  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 152815   | 54.425  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.555  | 164  | 120989   | 49.312  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.684  | 43   | 345613   | 96.023  | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 157170   | 48.329  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 163629   | 51.982  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.446  | 112  | 454672   | 58.601  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 630055   | 52.439  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 252627   | 53.586  | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 248074   | 53.614  | ug/L  | 98       |
| 55) Styrene                   | 10.115 | 104  | 422810   | 53.521  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 265686   | 50.473  | ug/L  | 98       |
| 59) Bromoform                 | 10.291 | 173  | 126514   | 47.431  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 207793   | 52.842  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 619915   | 54.989  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 326426   | 53.366  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 511694   | 55.073  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 322974   | 51.543  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 328021   | 50.540  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 331444   | 52.864  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 59187    | 46.988  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 249328   | 48.994  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 223193   | 50.072  | ug/L  | 99       |
| 71) Naphthalene               | 14.089 | 128  | 695370   | 52.325  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 230700   | 51.628  | ug/L  | 100      |

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

