

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU062222\  
 Data File : VU049375.D  
 Acq On : 23 Jun 2022 13:38  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050157

Quant Time: Jun 24 01:12:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 24 01:09:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 229585   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 212281   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 108890   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 69659    | 49.252   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 98.500%  |
| 7) Chloroethane-d5            | 1.899   | 69    | 54092    | 52.088   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 104.180% |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 133451   | 50.004   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.000% |
| 21) 2-Butanone-d5             | 4.620   | 46    | 174261   | 112.377  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 112.380% |
| 24) Chloroform-d              | 5.063   | 84    | 158738   | 52.611   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 105.220% |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 98241    | 50.258   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.520% |
| 32) Benzene-d6                | 5.726   | 84    | 282240   | 53.618   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 107.240% |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 104022   | 58.784   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 117.560% |
| 41) Toluene-d8                | 7.896   | 98    | 255723   | 55.086   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 110.180% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 44984    | 54.035   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 108.060% |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 111231   | 120.101  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 120.100% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754  | 84    | 161188   | 54.537   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 109.080% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 102635   | 54.172   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 108.340% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 86739    | 42.813   | ug/L   | 100      |
| 3) Chloromethane              | 1.520   | 50    | 95054    | 44.510   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.604   | 62    | 93502    | 46.186   | ug/L   | 96       |
| 6) Bromomethane               | 1.842   | 94    | 35721    | 31.899   | ug/L   | 100      |
| 8) Chloroethane               | 1.922   | 64    | 56529    | 49.994   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.134   | 101   | 133412   | 46.823   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578   | 101   | 79695    | 49.274   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.578   | 96    | 66959    | 47.295   | ug/L   | 95       |
| 13) Acetone                   | 2.626   | 43    | 117259   | 96.097   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.790   | 76    | 159532   | 44.311   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.948   | 43    | 128906   | 53.263   | ug/L   | 95       |
| 16) Methylene chloride        | 3.044   | 84    | 88809    | 48.169   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 3.353   | 96    | 73983    | 47.526   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 3.362   | 73    | 288303   | 49.506   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 169578   | 50.566   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 92616    | 48.903   | ug/L   | 98       |
| 22) 2-Butanone                | 4.700   | 43    | 195753   | 104.393  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.973   | 128   | 46953    | 47.236   | ug/L   | 91       |
| 25) Chloroform                | 5.086   | 83    | 175089   | 50.097   | ug/L   | 100      |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050157

Quant Time: Jun 24 01:12:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 24 01:09:54 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 134940   | 47.429  | ug/L  | 99       |
| 29) Cyclohexane               | 5.388  | 56   | 134247   | 56.508  | ug/L  | 94       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 147064   | 49.677  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 123039   | 47.521  | ug/L  | 99       |
| 33) Benzene                   | 5.774  | 78   | 363757   | 52.892  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 89529    | 51.644  | ug/L  | 95       |
| 35) Methylcyclohexane         | 6.761  | 83   | 135562   | 56.022  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 105745   | 54.526  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.105  | 83   | 133636   | 51.900  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 153397   | 53.754  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 363059   | 111.117 | ug/L  | 97       |
| 42) Toluene                   | 7.970  | 91   | 380853   | 53.577  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 145991   | 51.665  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 96415    | 51.305  | ug/L  | 97       |
| 46) Tetrachloroethene         | 8.552  | 164  | 65269    | 48.563  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.684  | 43   | 288678   | 108.679 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.809  | 129  | 101843   | 48.673  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 101633   | 51.408  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.446  | 112  | 236721   | 49.264  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.568  | 91   | 409589   | 52.995  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 153922   | 50.714  | ug/L  | 88       |
| 54) o-Xylene                  | 10.099 | 106  | 153866   | 50.317  | ug/L  | 89       |
| 55) Styrene                   | 10.115 | 104  | 258411   | 50.603  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 177512   | 50.687  | ug/L  | 98       |
| 59) Bromoform                 | 10.291 | 173  | 74411    | 46.305  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 139893   | 50.649  | ug/L  | 98       |
| 61) Isopropylbenzene          | 10.484 | 105  | 405132   | 54.774  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 349199   | 55.299  | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 271383   | 53.980  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 175803   | 48.454  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 172832   | 47.048  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 183791   | 48.812  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 43688    | 47.924  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 124137   | 47.893  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 105666   | 48.209  | ug/L  | 97       |
| 71) Naphthalene               | 14.086 | 128  | 345033   | 44.495  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 110819   | 47.799  | ug/L  | 99       |

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

