

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051222\  
 Data File : VU048530.D  
 Acq On : 12 May 2022 10:06  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050124

Quant Time: May 13 03:50:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM050622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 12 03:40:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 269374   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 265357   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 158284   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 86730    | 37.385   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 74.780%  |
| 7) Chloroethane-d5            | 1.912   | 69    | 64653    | 42.702   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 85.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 187676   | 45.456   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.920%  |
| 21) 2-Butanone-d5             | 4.620   | 46    | 164326   | 83.173   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 83.170%  |
| 24) Chloroform-d              | 5.066   | 84    | 218330   | 54.183   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 108.360% |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 147208   | 56.200   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 112.400% |
| 32) Benzene-d6                | 5.729   | 84    | 383771   | 47.593   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.180%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 116155   | 44.173   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 88.340%  |
| 41) Toluene-d8                | 7.899   | 98    | 366930   | 51.451   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 102.900% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 68253    | 56.394   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 112.780% |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 121341   | 95.340   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 95.340%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 182070   | 45.456   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 90.920%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 154119   | 49.172   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.340%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 120128   | 49.298   | ug/L   | 100      |
| 3) Chloromethane              | 1.520   | 50    | 89458    | 32.096   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.604   | 62    | 98981    | 37.381   | ug/L   | 99       |
| 6) Bromomethane               | 1.851   | 94    | 68858    | 52.586   | ug/L   | 97       |
| 8) Chloroethane               | 1.932   | 64    | 61755    | 43.380   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.137   | 101   | 191777   | 55.125   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581   | 101   | 100675   | 50.429   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.581   | 96    | 90082    | 47.725   | ug/L   | 97       |
| 13) Acetone                   | 2.623   | 43    | 145172   | 97.462   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.793   | 76    | 251586   | 43.002   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.948   | 43    | 117302   | 38.441   | ug/L   | 91       |
| 16) Methylene chloride        | 3.047   | 84    | 106912   | 46.318   | ug/L   | 87       |
| 17) trans-1,2-Dichloroethene  | 3.356   | 96    | 96496    | 47.918   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.362   | 73    | 333539   | 49.182   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.870   | 63    | 190346   | 45.841   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 110257   | 48.519   | ug/L   | 91       |
| 22) 2-Butanone                | 4.697   | 43    | 182226   | 81.840   | ug/L   | 93       |
| 23) Bromochloromethane        | 4.973   | 128   | 60435    | 50.464   | ug/L   | 84       |
| 25) Chloroform                | 5.089   | 83    | 211029   | 51.466   | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051222\  
 Data File : VU048530.D  
 Acq On : 12 May 2022 10:06  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050124

Quant Time: May 13 03:50:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM050622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 12 03:40:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 180235   | 53.463 | ug/L   | 99       |
| 29) Cyclohexane               | 5.391  | 56   | 146335   | 39.963 | ug/L   | 87       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 206134   | 55.936 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 184039   | 58.323 | ug/L   | 99       |
| 33) Benzene                   | 5.777  | 78   | 420253   | 45.997 | ug/L   | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 112256   | 49.983 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 172334   | 48.094 | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 107673   | 42.224 | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 164992   | 53.138 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 179315   | 49.438 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 313542   | 76.739 | ug/L # | 93       |
| 42) Toluene                   | 7.970  | 91   | 461696   | 48.962 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 185335   | 52.581 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 111281   | 48.255 | ug/L   | 99       |
| 46) Tetrachloroethene         | 8.555  | 164  | 91333    | 54.134 | ug/L   | 98       |
| 48) 2-Hexanone                | 8.684  | 43   | 267342   | 78.732 | ug/L # | 97       |
| 49) Dibromochloromethane      | 8.812  | 129  | 137883   | 55.675 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 122644   | 50.311 | ug/L   | 100      |
| 51) Chlorobenzene             | 9.449  | 112  | 297519   | 50.074 | ug/L   | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 495540   | 50.447 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 200673   | 52.925 | ug/L   | 100      |
| 54) o-Xylene                  | 10.102 | 106  | 194173   | 50.902 | ug/L   | 97       |
| 55) Styrene                   | 10.115 | 104  | 344229   | 55.501 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 186319   | 43.108 | ug/L   | 99       |
| 59) Bromoform                 | 10.291 | 173  | 106487   | 47.436 | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 163549   | 39.583 | ug/L   | 95       |
| 61) Isopropylbenzene          | 10.484 | 105  | 517359   | 46.645 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 287861   | 47.081 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 460490   | 50.572 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 256730   | 49.078 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 258048   | 49.202 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 257776   | 48.154 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 59751    | 49.340 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 202282   | 54.691 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 175481   | 54.633 | ug/L   | 100      |
| 71) Naphthalene               | 14.085 | 128  | 568462   | 45.957 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 180563   | 52.855 | ug/L   | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051222\  
 Data File : VU048530.D  
 Acq On : 12 May 2022 10:06  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050124

Quant Time: May 13 03:50:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM050622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 12 03:40:41 2022  
 Response via : Initial Calibration

