

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092325\  
 Data File : VU063624.D  
 Acq On : 23 Sep 2025 09:09  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050110

Quant Time: Sep 24 01:06:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092225WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 23 05:35:07 2025  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238   | 114   | 235314   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409   | 117   | 227676   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804  | 152   | 119131   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592   | 65    | 76673    | 48.579   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 97.160%  |
| 7) Chloroethane-d5            | 1.895   | 69    | 66525    | 49.542   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 99.080%  |
| 11) 1,1-Dichloroethene-d2     | 2.554   | 63    | 141526   | 50.180   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.360% |
| 21) 2-Butanone-d5             | 4.615   | 46    | 114666   | 105.295  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 105.290% |
| 24) Chloroform-d              | 5.049   | 84    | 150913   | 51.103   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.200% |
| 26) 1,2-Dichloroethane-d4     | 5.689   | 65    | 99248    | 51.584   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.160% |
| 32) Benzene-d6                | 5.714   | 84    | 280904   | 51.512   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.020% |
| 36) 1,2-Dichloropropane-d6    | 6.679   | 67    | 91136    | 51.158   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 102.320% |
| 41) Toluene-d8                | 7.888   | 98    | 257935   | 50.331   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.660% |
| 43) trans-1,3-Dichloroprop... | 8.171   | 79    | 31998    | 49.590   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.180%  |
| 47) 2-Hexanone-d5             | 8.624   | 63    | 69446    | 106.387  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 106.390% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746  | 84    | 139814   | 50.968   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 101.940% |
| 66) 1,2-Dichlorobenzene-d4    | 12.184  | 152   | 99813    | 49.857   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.720%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380   | 85    | 67067    | 52.959   | ug/L   | 98       |
| 3) Chloromethane              | 1.515   | 50    | 85768    | 52.535   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.596   | 62    | 103477   | 53.252   | ug/L   | 98       |
| 6) Bromomethane               | 1.834   | 94    | 64386    | 52.299   | ug/L   | 97       |
| 8) Chloroethane               | 1.917   | 64    | 69781    | 53.013   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.123   | 101   | 151673   | 53.579   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.567   | 101   | 85643    | 54.992   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.567   | 96    | 73597    | 53.119   | ug/L   | 96       |
| 13) Acetone                   | 2.615   | 43    | 147593   | 113.563  | ug/L   | 98       |
| 14) Carbon disulfide          | 2.779   | 76    | 191365   | 53.231   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.936   | 43    | 106495   | 55.238   | ug/L   | 99       |
| 16) Methylene chloride        | 3.030   | 84    | 91968    | 52.499   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.338   | 96    | 81221    | 54.445   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.351   | 73    | 250501   | 51.908   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.853   | 63    | 163739   | 53.916   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.650   | 96    | 93996    | 53.805   | ug/L   | 97       |
| 22) 2-Butanone                | 4.692   | 43    | 163569   | 108.906  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.959   | 128   | 48823    | 53.337   | ug/L   | 98       |
| 25) Chloroform                | 5.071   | 83    | 174506   | 54.111   | ug/L   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050110

Quant Time: Sep 24 01:06:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092225WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 23 05:35:07 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 139489   | 52.347  | ug/L  | 100      |
| 29) Cyclohexane               | 5.374  | 56   | 145701   | 54.447  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.300  | 97   | 135246   | 54.031  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 108424   | 54.659  | ug/L  | 98       |
| 33) Benzene                   | 5.759  | 78   | 364480   | 55.128  | ug/L  | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 100777   | 54.427  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.750  | 83   | 143617   | 54.329  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 102318   | 55.878  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.094  | 83   | 119075   | 54.846  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 130473   | 54.807  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.779  | 43   | 286429   | 108.569 | ug/L  | 99       |
| 42) Toluene                   | 7.959  | 91   | 396789   | 54.742  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 108162   | 53.510  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 98162    | 55.234  | ug/L  | 96       |
| 46) Tetrachloroethene         | 8.544  | 164  | 73530    | 54.522  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.672  | 43   | 216563   | 108.508 | ug/L  | 95       |
| 49) Dibromochloromethane      | 8.798  | 129  | 86885    | 54.615  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 99984    | 54.320  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.438  | 112  | 257869   | 53.762  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.560  | 91   | 442234   | 55.175  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.685  | 106  | 165161   | 55.238  | ug/L  | 99       |
| 54) o-Xylene                  | 10.090 | 106  | 164179   | 55.102  | ug/L  | 94       |
| 55) Styrene                   | 10.107 | 104  | 273709   | 56.211  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 161444   | 53.743  | ug/L  | 100      |
| 59) Bromoform                 | 10.280 | 173  | 61503    | 53.016  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.814 | 75   | 134478   | 53.543  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.476 | 105  | 442782   | 54.494  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 368683   | 55.173  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 356510   | 55.031  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 199762   | 53.946  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 201338   | 53.743  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 192836   | 52.959  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 31076    | 55.168  | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 139809   | 54.005  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 111687   | 52.255  | ug/L  | 100      |
| 71) Naphthalene               | 14.081 | 128  | 288717   | 49.718  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 105373   | 51.437  | ug/L  | 99       |

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

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