

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031725\  
 Data File : VU063294.D  
 Acq On : 17 Mar 2025 14:55  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050102

Quant Time: Mar 21 09:20:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM031725WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 21 09:04:14 2025  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon           | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|---------|----------------|----------|--------|--------|----------|
| Internal Standards            |         |                |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.238   | 114            | 301354   | 50.00  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409   | 117            | 290360   | 50.00  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804  | 152            | 143520   | 50.00  | ug/L   | 0.00     |
| System Monitoring Compounds   |         |                |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.592   | 65             | 118017   | 46.89  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =      | 93.78% |          |
| 7) Chloroethane-d5            | 1.895   | 69             | 97926    | 47.33  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =      | 94.66% |          |
| 11) 1,1-Dichloroethene-d2     | 2.554   | 63             | 208247   | 47.22  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 94.44% |          |
| 21) 2-Butanone-d5             | 4.608   | 46             | 170464   | 93.80  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =      | 93.80% |          |
| 24) Chloroform-d              | 5.049   | 84             | 219008   | 46.54  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 93.08% |          |
| 26) 1,2-Dichloroethane-d4     | 5.689   | 65             | 136828   | 46.64  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 93.28% |          |
| 32) Benzene-d6                | 5.714   | 84             | 439632   | 48.26  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 96.52% |          |
| 36) 1,2-Dichloropropane-d6    | 6.679   | 67             | 141823   | 47.86  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =      | 95.72% |          |
| 41) Toluene-d8                | 7.888   | 98             | 400598   | 49.46  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 98.92% |          |
| 43) trans-1,3-Dichloroprop... | 8.171   | 79             | 65385    | 49.82  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 99.64% |          |
| 47) 2-Hexanone-d5             | 8.621   | 63             | 110541   | 98.33  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =      | 98.33% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746  | 84             | 209484   | 47.07  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =      | 94.14% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.184  | 152            | 143107   | 49.31  | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 98.62% |          |
| Target Compounds              |         |                |          |        |        |          |
|                               |         |                |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.380   | 85             | 123825   | 49.06  | ug/L   | 100      |
| 3) Chloromethane              | 1.518   | 50             | 138338   | 48.86  | ug/L   | 100      |
| 5) Vinyl chloride             | 1.599   | 62             | 142813   | 49.51  | ug/L   | 99       |
| 6) Bromomethane               | 1.833   | 94             | 79748    | 49.22  | ug/L   | 100      |
| 8) Chloroethane               | 1.917   | 64             | 85593    | 48.58  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.126   | 101            | 164216   | 49.28  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.567   | 101            | 100256   | 49.21  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.567   | 96             | 98503    | 50.48  | ug/L   | 96       |
| 13) Acetone                   | 2.615   | 43             | 116150   | 94.11  | ug/L   | 100      |
| 14) Carbon disulfide          | 2.779   | 76             | 320315   | 51.52  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.936   | 43             | 130396   | 48.22  | ug/L # | 100      |
| 16) Methylene chloride        | 3.030   | 84             | 122471   | 51.14  | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.338   | 96             | 106082   | 51.36  | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.351   | 73             | 336741   | 51.02  | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.853   | 63             | 208016   | 49.16  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.650   | 96             | 122555   | 51.70  | ug/L   | 97       |
| 22) 2-Butanone                | 4.689   | 43             | 180613   | 100.82 | ug/L   | 97       |
| 23) Bromochloromethane        | 4.959   | 128            | 62944    | 51.80  | ug/L   | 99       |
| 25) Chloroform                | 5.074   | 83             | 213959   | 50.24  | ug/L   | 97       |

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 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050102

Quant Time: Mar 21 09:20:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM031725WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 21 09:04:14 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.779  | 62   | 171580   | 51.30  | ug/L  | 98       |
| 29) Cyclohexane               | 5.377  | 56   | 175385   | 51.99  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.303  | 97   | 168141   | 49.62  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.512  | 117  | 143473   | 50.84  | ug/L  | 99       |
| 33) Benzene                   | 5.759  | 78   | 472818   | 51.65  | ug/L  | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 121476   | 52.07  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.753  | 83   | 178437   | 53.57  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 129201   | 50.35  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.094  | 83   | 160217   | 50.77  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 199465   | 53.06  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.779  | 43   | 347330   | 104.08 | ug/L  | 100      |
| 42) Toluene                   | 7.959  | 91   | 503663   | 53.18  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 187409   | 53.95  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 123415   | 50.66  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.544  | 164  | 87922    | 53.39  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.672  | 43   | 271519   | 106.72 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.798  | 129  | 121408   | 51.37  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 132714   | 52.16  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.438  | 112  | 309453   | 51.89  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.560  | 91   | 531370   | 53.61  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 199764   | 54.56  | ug/L  | 99       |
| 54) o-Xylene                  | 10.090 | 106  | 191479   | 53.65  | ug/L  | 97       |
| 55) Styrene                   | 10.106 | 104  | 333889   | 56.66  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 216037   | 51.00  | ug/L  | 97       |
| 59) Bromoform                 | 10.280 | 173  | 97635    | 51.58  | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.814 | 75   | 163807   | 49.18  | ug/L  | 100      |
| 61) Isopropylbenzene          | 10.476 | 105  | 512746   | 54.47  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 416277   | 56.05  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 405632   | 56.95  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 240271   | 54.08  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 239828   | 53.14  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 235997   | 52.69  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 44055    | 50.70  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 164620   | 55.07  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 132848   | 57.48  | ug/L  | 100      |
| 71) Naphthalene               | 14.081 | 128  | 399273   | 62.78  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 131738   | 58.32  | ug/L  | 98       |

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

