

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061125\  
 Data File : VU063386.D  
 Acq On : 11 Jun 2025 16:24  
 Operator : MD/SY  
 Sample : Q2117-01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2025-03

Quant Time: Jun 12 08:31:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061125WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 11 13:45:27 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 06/12/2025  
 Supervised By : Mahesh Dadoda 06/12/2025

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.238          | 114  | 140589     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409          | 117  | 145945     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804         | 152  | 67112      | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592          | 65   | 52952      | 49.892   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 99.780%  |        |          |
| 7) Chloroethane-d5            | 1.901          | 69   | 51549      | 49.912   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 99.820%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.554          | 63   | 73275      | 36.336   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 72.680%  |        |          |
| 21) 2-Butanone-d5             | 4.615          | 46   | 102690     | 111.503  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 111.500% |        |          |
| 24) Chloroform-d              | 5.052          | 84   | 109664     | 48.609   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.220%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.692          | 65   | 71656      | 51.862   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 103.720% |        |          |
| 32) Benzene-d6                | 5.718          | 84   | 221632     | 50.210   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 100.420% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.679          | 67   | 77563      | 51.808   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 103.620% |        |          |
| 41) Toluene-d8                | 7.891          | 98   | 182590     | 47.143   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.280%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.174          | 79   | 29207      | 48.479   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 96.960%  |        |          |
| 47) 2-Hexanone-d5             | 8.624          | 63   | 56332      | 101.345  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 101.340% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746         | 84   | 113209     | 49.511   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 99.020%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187         | 152  | 65751      | 53.547   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 107.100% |        |          |
| Target Compounds              |                |      |            |          |        |          |
|                               |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380          | 85   | 3152       | 2.334    | ug/L   | 99       |
| 3) Chloromethane              | 1.522          | 50   | 3719       | 2.437    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.596          | 62   | 4152       | 2.474    | ug/L # | 72       |
| 6) Bromomethane               | 1.846          | 94   | 2304       | 2.440    | ug/L   | 84       |
| 8) Chloroethane               | 1.924          | 64   | 2752       | 2.621    | ug/L   | 84       |
| 9) Trichlorofluoromethane     | 2.126          | 101  | 4693       | 2.375    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.563          | 101  | 3360       | 2.853    | ug/L # | 76       |
| 12) 1,1-Dichloroethene        | 2.567          | 96   | 3064       | 2.924    | ug/L # | 1        |
| 13) Acetone                   | 2.621          | 43   | 3783       | 5.421    | ug/L   | 98       |
| 14) Carbon disulfide          | 2.779          | 76   | 9553       | 2.761    | ug/L   | 97       |
| 15) Methyl Acetate            | 2.949          | 43   | 3457       | 2.388    | ug/L # | 100      |
| 17) trans-1,2-Dichloroethene  | 3.348          | 96   | 2948       | 2.617    | ug/L   | 87       |
| 18) Methyl tert-butyl Ether   | 3.358          | 73   | 7296       | 2.159    | ug/L # | 88       |
| 19) 1,1-Dichloroethane        | 3.856          | 63   | 5141       | 2.180    | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.660          | 96   | 2876       | 2.246    | ug/L   | 96       |
| 22) 2-Butanone                | 4.730          | 43   | 6347m      | 6.149    | ug/L   |          |
| 23) Bromochloromethane        | 4.972          | 128  | 1486       | 2.172    | ug/L # | 91       |
| 25) Chloroform                | 5.074          | 83   | 6186       | 2.630    | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 5.795          | 62   | 4346       | 2.355    | ug/L   | 99       |

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 Sample : Q2117-01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
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 MDL-WATER-QT2-2025-03

Quant Time: Jun 12 08:31:51 2025  
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 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 11 13:45:27 2025  
 Response via : Initial Calibration

Manual Integrations  
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 Supervised By :Mahesh Dadoda 06/12/2025

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 29) Cyclohexane               | 5.374  | 56   | 3697     | 1.909 | ug/L   | 90       |
| 30) 1,1,1-Trichloroethane     | 5.306  | 97   | 4325     | 2.347 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 3460     | 2.233 | ug/L   | 98       |
| 33) Benzene                   | 5.769  | 78   | 11703    | 2.307 | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 3388     | 2.599 | ug/L   | 91       |
| 35) Methylcyclohexane         | 6.753  | 83   | 3918     | 2.032 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 3673     | 2.441 | ug/L # | 89       |
| 38) Bromodichloromethane      | 7.097  | 83   | 4027     | 2.270 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 4444     | 2.179 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 7995     | 4.284 | ug/L # | 96       |
| 42) Toluene                   | 7.965  | 91   | 11981    | 2.261 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 4879     | 2.556 | ug/L   | 88       |
| 45) 1,1,2-Trichloroethane     | 8.399  | 97   | 2999     | 2.178 | ug/L   | 96       |
| 46) Tetrachloroethene         | 8.547  | 164  | 2244     | 2.329 | ug/L   | 95       |
| 48) 2-Hexanone                | 8.682  | 43   | 14527    | 9.982 | ug/L # | 90       |
| 49) Dibromochloromethane      | 8.804  | 129  | 2907     | 2.225 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 3028     | 2.152 | ug/L # | 81       |
| 51) Chlorobenzene             | 9.441  | 112  | 8101     | 2.358 | ug/L   | 94       |
| 52) Ethylbenzene              | 9.566  | 91   | 10870    | 1.959 | ug/L   | 91       |
| 53) m,p-Xylene                | 9.688  | 106  | 3766     | 1.835 | ug/L   | 89       |
| 54) o-Xylene                  | 10.097 | 106  | 3563     | 1.821 | ug/L   | 92       |
| 55) Styrene                   | 10.116 | 104  | 5643     | 1.679 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 6217     | 2.526 | ug/L # | 94       |
| 59) Bromoform                 | 10.283 | 173  | 2052     | 2.305 | ug/L # | 95       |
| 60) 1,2,3-Trichloropropane    | 10.817 | 75   | 4358     | 2.700 | ug/L   | 96       |
| 61) Isopropylbenzene          | 10.479 | 105  | 8624     | 1.946 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 6317     | 1.844 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 5738     | 1.763 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.746 | 146  | 5674     | 2.579 | ug/L   | 89       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 5541     | 2.450 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 5180     | 2.332 | ug/L # | 88       |
| 68) 1,2-Dibromo-3-chloropr... | 13.000 | 75   | 926m     | 2.134 | ug/L   |          |
| 69) 1,3,5-Trichlorobenzene    | 13.219 | 180  | 3358     | 2.254 | ug/L   | 93       |
| 70) 1,2,4-trichlorobenzene    | 13.849 | 180  | 2694     | 2.329 | ug/L   | 99       |
| 71) Naphthalene               | 14.097 | 128  | 6354     | 2.037 | ug/L # | 86       |
| 72) 1,2,3-Trichlorobenzene    | 14.331 | 180  | 2189     | 1.912 | ug/L # | 88       |

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

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