

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV071625\  
 Data File : VV038908.D  
 Acq On : 16 Jul 2025 15:19  
 Operator : SY/MD  
 Sample : MDL04  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL04

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 06:17:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V071125W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 06:08:37 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 4.596          | 168  | 534804              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 5.532          | 114  | 920136              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 8.776          | 117  | 827538              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.175         | 152  | 353046              | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 4.940          | 65   | 350328              | 53.613 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 81 - 118 |      | Recovery = 107.220% |        |        |          |
| 35) Dibromofluoromethane     | 4.500          | 113  | 293483              | 46.781 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 80 - 119 |      | Recovery = 93.560%  |        |        |          |
| 50) Toluene-d8               | 7.236          | 98   | 1036655             | 54.667 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 89 - 112 |      | Recovery = 109.340% |        |        |          |
| 62) 4-Bromofluorobenzene     | 10.001         | 95   | 369289              | 48.343 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 85 - 114 |      | Recovery = 96.680%  |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.121          | 85   | 10124               | 2.154  | ug/l   | 96       |
| 3) Chloromethane             | 1.230          | 50   | 11600               | 2.286  | ug/l # | 83       |
| 4) Vinyl Chloride            | 1.294          | 62   | 13287               | 2.288  | ug/l   | 99       |
| 5) Bromomethane              | 1.490          | 94   | 12256               | 2.814  | ug/l   | 99       |
| 6) Chloroethane              | 1.555          | 64   | 9753                | 2.512  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.725          | 101  | 23220               | 2.260  | ug/l   | 99       |
| 8) Diethyl Ether             | 1.921          | 74   | 7823                | 2.117  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.079          | 101  | 14317               | 2.330  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.198          | 142  | 13445               | 1.906  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 2.577          | 59   | 16602               | 11.036 | ug/l # | 90       |
| 12) 1,1-Dichloroethene       | 2.079          | 96   | 11894               | 2.124  | ug/l   | 87       |
| 13) Acrolein                 | 2.008          | 56   | 2584                | 11.878 | ug/l   | 97       |
| 14) Allyl chloride           | 2.359          | 41   | 22686               | 2.543  | ug/l # | 88       |
| 15) Acrylonitrile            | 2.677          | 53   | 43922               | 11.409 | ug/l   | 98       |
| 16) Acetone                  | 2.124          | 43   | 34056               | 12.044 | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.252          | 76   | 31271               | 2.677  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.384          | 43   | 18519               | 1.936  | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 2.715          | 73   | 45021               | 2.145  | ug/l   | 97       |
| 20) Methylene Chloride       | 2.458          | 84   | 16768               | 2.338  | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 2.699          | 96   | 13965               | 2.344  | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.220          | 45   | 37191               | 2.087  | ug/l # | 71       |
| 23) Vinyl Acetate            | 3.198          | 43   | 149625              | 10.707 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.117          | 63   | 25959               | 2.224  | ug/l # | 95       |
| 25) 2-Butanone               | 3.892          | 43   | 41900               | 10.339 | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 3.812          | 77   | 22880               | 2.239  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 3.834          | 96   | 14936m              | 2.183  | ug/l   |          |
| 28) Bromochloromethane       | 4.156          | 49   | 12039               | 2.665  | ug/l # | 91       |
| 29) Tetrahydrofuran          | 4.252          | 42   | 27618m              | 10.340 | ug/l   |          |
| 30) Chloroform               | 4.284          | 83   | 28882               | 2.244  | ug/l   | 87       |
| 31) Cyclohexane              | 4.587          | 56   | 28185               | 3.679  | ug/l # | 70       |
| 32) 1,1,1-Trichloroethane    | 4.513          | 97   | 25460               | 2.268  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 4.751          | 75   | 16844m              | 2.336  | ug/l   |          |
| 37) Ethyl Acetate            | 4.011          | 43   | 22297m              | 2.627  | ug/l   |          |
| 38) Carbon Tetrachloride     | 4.735          | 117  | 19794m              | 2.067  | ug/l   |          |
| 39) Methylcyclohexane        | 6.050          | 83   | 17546               | 2.063  | ug/l   | 93       |
| 40) Benzene                  | 5.018          | 78   | 52502               | 2.148  | ug/l   | 99       |

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 Sample : MDL04  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL04

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 06:17:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V071125W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 17 06:08:37 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.204  | 41   | 6098     | 1.565  | ug/l # | 24       |
| 42) 1,2-Dichloroethane        | 5.050  | 62   | 19380    | 2.080  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 5.217  | 43   | 23020    | 1.715  | ug/l # | 84       |
| 44) Trichloroethene           | 5.841  | 130  | 13085    | 2.049  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 6.098  | 63   | 13423    | 2.079  | ug/l # | 84       |
| 46) Dibromomethane            | 6.239  | 93   | 10145    | 2.031  | ug/l   | 97       |
| 47) Bromodichloromethane      | 6.436  | 83   | 21274    | 2.007  | ug/l   | 96       |
| 48) Methyl methacrylate       | 6.333  | 41   | 15102m   | 2.592  | ug/l   |          |
| 49) 1,4-Dioxane               | 6.313  | 88   | 4866m    | 38.762 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 7.156  | 43   | 78743    | 8.614  | ug/l   | 93       |
| 52) Toluene                   | 7.317  | 92   | 32889    | 2.136  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 7.596  | 75   | 17650    | 1.840  | ug/l   | 90       |
| 54) cis-1,3-Dichloropropene   | 6.966  | 75   | 19876    | 1.917  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 7.770  | 97   | 14544    | 1.976  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 7.734  | 69   | 13815    | 1.580  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 7.944  | 76   | 21515    | 1.950  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 6.828  | 63   | 37326    | 7.072  | ug/l   | 97       |
| 59) 2-Hexanone                | 8.079  | 43   | 51329    | 7.543  | ug/l   | 93       |
| 60) Dibromochloromethane      | 8.172  | 129  | 17165    | 1.981  | ug/l   | 91       |
| 61) 1,2-Dibromoethane         | 8.284  | 107  | 13818    | 1.864  | ug/l   | 93       |
| 64) Tetrachloroethene         | 7.902  | 164  | 12367    | 2.279  | ug/l   | 94       |
| 65) Chlorobenzene             | 8.812  | 112  | 40409    | 2.235  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 8.902  | 131  | 14834    | 2.057  | ug/l   | 95       |
| 67) Ethyl Benzene             | 8.943  | 91   | 50394    | 1.877  | ug/l   | 97       |
| 68) m/p-Xylenes               | 9.069  | 106  | 38657    | 3.698  | ug/l   | 100      |
| 69) o-Xylene                  | 9.474  | 106  | 18748    | 1.900  | ug/l   | 94       |
| 70) Styrene                   | 9.500  | 104  | 29313    | 1.681  | ug/l   | 99       |
| 71) Bromoform                 | 9.660  | 173  | 11925    | 2.035  | ug/l # | 99       |
| 73) Isopropylbenzene          | 9.860  | 105  | 49332    | 2.339  | ug/l   | 99       |
| 74) N-amyl acetate            | 9.741  | 43   | 16921    | 2.190  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 24196    | 2.738  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 10.204 | 75   | 17625    | 2.685  | ug/l   | 91       |
| 77) Bromobenzene              | 10.149 | 156  | 14809    | 2.676  | ug/l   | 99       |
| 78) n-propylbenzene           | 10.284 | 91   | 63353    | 2.570  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.355 | 91   | 38525    | 2.457  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 41564    | 2.336  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 9.940  | 75   | 5576m    | 2.073  | ug/l   |          |
| 82) 4-Chlorotoluene           | 10.471 | 91   | 40998    | 2.339  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 10.789 | 119  | 45526    | 2.441  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 38311    | 2.189  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 11.014 | 105  | 54563    | 2.292  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 11.172 | 119  | 43292    | 2.142  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.117 | 146  | 26641    | 2.359  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 11.201 | 146  | 30361    | 2.471  | ug/l   | 87       |
| 89) n-Butylbenzene            | 11.586 | 91   | 40723    | 2.207  | ug/l   | 97       |
| 90) Hexachloroethane          | 11.824 | 117  | 12010    | 2.498  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 11.577 | 146  | 26763    | 2.441  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.361 | 75   | 4528     | 2.267  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.194 | 180  | 13426    | 2.074  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 13.368 | 225  | 8681     | 2.605  | ug/l   | 95       |
| 95) Naphthalene               | 13.432 | 128  | 41648    | 1.959  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 14204    | 2.117  | ug/l   | 97       |

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Sample : MDL04  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL04

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025  
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 06:17:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V071125W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 17 06:08:37 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

