

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071025\  
 Data File : VU063478.D  
 Acq On : 10 Jul 2025 14:11  
 Operator : MD/SY  
 Sample : MDL01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/16/2025  
 Supervised By :Semsettin Yesilyurt 07/16/2025

Quant Time: Jul 11 04:53:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U070825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 11 04:42:35 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.361          | 168  | 116474     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.238          | 114  | 204271     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.409          | 117  | 189403     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.804         | 152  | 96138      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.692          | 65   | 73119      | 49.203   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 98.400%  |        |          |
| 35) Dibromofluoromethane     | 5.277          | 113  | 57442      | 46.651   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 93.300%  |        |          |
| 50) Toluene-d8               | 7.888          | 98   | 183253     | 45.657   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 91.320%# |        |          |
| 62) 4-Bromofluorobenzene     | 10.627         | 95   | 81949      | 46.678   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 93.360%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.383          | 85   | 446        | 0.481    | ug/l   | 96       |
| 3) Chloromethane             | 1.518          | 50   | 852        | 0.755    | ug/l   | 89       |
| 4) Vinyl Chloride            | 1.595          | 62   | 931        | 0.744    | ug/l # | 85       |
| 5) Bromomethane              | 1.846          | 94   | 986        | 1.125    | ug/l   | 88       |
| 6) Chloroethane              | 1.927          | 64   | 857        | 0.945    | ug/l # | 88       |
| 7) Trichlorofluoromethane    | 2.126          | 101  | 1086       | 0.538    | ug/l   | 93       |
| 8) Diethyl Ether             | 2.367          | 74   | 527        | 0.627    | ug/l   | 70       |
| 9) 1,1,2-Trichlorotrifluo... | 2.573          | 101  | 698        | 0.585    | ug/l # | 90       |
| 10) Methyl Iodide            | 2.708          | 142  | 983        | 0.788    | ug/l # | 77       |
| 11) Tert butyl alcohol       | 3.197          | 59   | 2536       | 5.090    | ug/l # | 78       |
| 12) 1,1-Dichloroethene       | 2.563          | 96   | 1075       | 0.967    | ug/l   | 80       |
| 13) Acrolein                 | 2.470          | 56   | 341m       | 4.849    | ug/l   |          |
| 14) Allyl chloride           | 2.911          | 41   | 4467m      | 1.689    | ug/l   |          |
| 15) Acrylonitrile            | 3.309          | 53   | 3718       | 3.484    | ug/l   | 90       |
| 16) Acetone                  | 2.624          | 43   | 7401       | 5.937    | ug/l # | 89       |
| 17) Carbon Disulfide         | 2.779          | 76   | 2581       | 0.972    | ug/l # | 74       |
| 18) Methyl Acetate           | 2.946          | 43   | 2882       | 0.898    | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 3.361          | 73   | 2543       | 0.531    | ug/l # | 85       |
| 20) Methylene Chloride       | 3.029          | 84   | 2633       | 1.449    | ug/l # | 89       |
| 21) trans-1,2-Dichloroethene | 3.329          | 96   | 1169       | 0.979    | ug/l # | 82       |
| 22) Diisopropyl ether        | 3.994          | 45   | 2743       | 0.609    | ug/l # | 72       |
| 23) Vinyl Acetate            | 3.972          | 43   | 7969       | 2.280    | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 3.856          | 63   | 1517m      | 0.593    | ug/l   |          |
| 25) 2-Butanone               | 4.746          | 43   | 8619m      | 6.159    | ug/l   |          |
| 26) 2,2-Dichloropropane      | 4.656          | 77   | 1354m      | 0.609    | ug/l   |          |
| 27) cis-1,2-Dichloroethene   | 4.660          | 96   | 1049       | 0.666    | ug/l   | 78       |
| 28) Bromochloromethane       | 4.959          | 49   | 622m       | 0.518    | ug/l   |          |
| 29) Tetrahydrofuran          | 5.071          | 42   | 3450       | 3.908    | ug/l # | 75       |
| 30) Chloroform               | 5.078          | 83   | 1803       | 0.668    | ug/l   | 99       |
| 31) Cyclohexane              | 5.361          | 56   | 4401       | 2.142    | ug/l # | 28       |
| 32) 1,1,1-Trichloroethane    | 5.293          | 97   | 1152       | 0.501    | ug/l # | 50       |
| 36) 1,1-Dichloropropene      | 5.512          | 75   | 1444m      | 0.863    | ug/l   |          |
| 37) Ethyl Acetate            | 4.746          | 43   | 5082m      | 1.876    | ug/l   |          |
| 38) Carbon Tetrachloride     | 5.508          | 117  | 1282       | 0.695    | ug/l # | 57       |
| 39) Methylcyclohexane        | 6.746          | 83   | 1340       | 0.663    | ug/l # | 88       |
| 40) Benzene                  | 5.766          | 78   | 2638       | 0.505    | ug/l   | 92       |

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 Operator : MD/SY  
 Sample : MDL01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/16/2025  
 Supervised By :Semsettin Yesilyurt 07/16/2025

Quant Time: Jul 11 04:53:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U070825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 11 04:42:35 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 5.004  | 41   | 770m     | 0.602  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 5.801  | 62   | 1330m    | 0.677  | ug/l   |          |
| 43) Isopropyl Acetate         | 5.933  | 43   | 2987m    | 0.830  | ug/l   |          |
| 44) Trichloroethene           | 6.537  | 130  | 899      | 0.643  | ug/l   | 78       |
| 45) 1,2-Dichloropropane       | 6.782  | 63   | 798      | 0.549  | ug/l   | 91       |
| 46) Dibromomethane            | 6.910  | 93   | 664      | 0.642  | ug/l # | 78       |
| 47) Bromodichloromethane      | 7.094  | 83   | 1052     | 0.490  | ug/l # | 86       |
| 48) Methyl methacrylate       | 6.978  | 41   | 1570m    | 0.944  | ug/l   |          |
| 49) 1,4-Dioxane               | 6.978  | 88   | 486      | 13.314 | ug/l # | 57       |
| 51) 4-Methyl-2-Pentanone      | 7.795  | 43   | 10198    | 3.915  | ug/l   | 91       |
| 52) Toluene                   | 7.968  | 92   | 1888     | 0.552  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.213  | 75   | 835      | 0.444  | ug/l # | 83       |
| 54) cis-1,3-Dichloropropene   | 7.611  | 75   | 1052     | 0.500  | ug/l # | 72       |
| 55) 1,1,2-Trichloroethane     | 8.396  | 97   | 643      | 0.443  | ug/l # | 88       |
| 56) Ethyl methacrylate        | 8.344  | 69   | 1454m    | 0.621  | ug/l   |          |
| 57) 1,3-Dichloropropane       | 8.566  | 76   | 1265     | 0.529  | ug/l   | 89       |
| 59) 2-Hexanone                | 8.695  | 43   | 7843     | 3.981  | ug/l   | 97       |
| 60) Dibromochloromethane      | 8.804  | 129  | 793      | 0.488  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.920  | 107  | 671      | 0.471  | ug/l # | 76       |
| 64) Tetrachloroethene         | 8.550  | 164  | 934      | 0.662  | ug/l # | 74       |
| 65) Chlorobenzene             | 9.438  | 112  | 2639     | 0.670  | ug/l # | 86       |
| 66) 1,1,1,2-Tetrachloroethane | 9.528  | 131  | 618      | 0.457  | ug/l # | 61       |
| 67) Ethyl Benzene             | 9.566  | 91   | 4191     | 0.619  | ug/l # | 88       |
| 68) m/p-Xylenes               | 9.698  | 106  | 2924     | 1.131  | ug/l   | 78       |
| 69) o-Xylene                  | 10.103 | 106  | 1365     | 0.519  | ug/l   | 87       |
| 70) Styrene                   | 10.119 | 104  | 2355     | 0.564  | ug/l # | 87       |
| 71) Bromoform                 | 10.290 | 173  | 649      | 0.551  | ug/l # | 72       |
| 73) Isopropylbenzene          | 10.476 | 105  | 4148     | 0.634  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.331 | 43   | 2242m    | 0.764  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 1404     | 0.583  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane    | 10.817 | 75   | 1790     | 0.703  | ug/l # | 81       |
| 77) Bromobenzene              | 10.782 | 156  | 816      | 0.509  | ug/l # | 7        |
| 78) n-propylbenzene           | 10.904 | 91   | 5263     | 0.694  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 10.984 | 91   | 3304     | 0.694  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 3440     | 0.601  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 10.540 | 75   | 166m     | 0.325  | ug/l   |          |
| 82) 4-Chlorotoluene           | 11.097 | 91   | 4074     | 0.754  | ug/l   | 89       |
| 83) tert-Butylbenzene         | 11.412 | 119  | 3457     | 0.630  | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene    | 11.466 | 105  | 3722     | 0.662  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.637 | 105  | 4851     | 0.670  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 11.788 | 119  | 4250     | 0.724  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 11.746 | 146  | 2245     | 0.727  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 11.830 | 146  | 2656m    | 0.843  | ug/l   |          |
| 89) n-Butylbenzene            | 12.216 | 91   | 4902     | 0.902  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.457 | 117  | 548      | 0.558  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.216 | 146  | 2157     | 0.716  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 13.000 | 75   | 291      | 0.510  | ug/l # | 55       |
| 93) 1,2,4-Trichlorobenzene    | 13.846 | 180  | 1855     | 0.961  | ug/l   | 90       |
| 94) Hexachlorobutadiene       | 14.019 | 225  | 545      | 0.661  | ug/l   | 93       |
| 95) Naphthalene               | 14.097 | 128  | 9124     | 1.444  | ug/l # | 93       |
| 96) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 1975     | 1.041  | ug/l   | 96       |

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ClientSampleId :  
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Manual Integrations  
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Reviewed By :Mahesh Dadoda 07/16/2025  
Supervised By :Semsettin Yesilyurt 07/16/2025

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Quant Title : SW846 8260  
QLast Update : Fri Jul 11 04:42:35 2025  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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