

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW071625\  
 Data File : VW038909.D  
 Acq On : 16 Jul 2025 15:41  
 Operator : SY/MD  
 Sample : MDL05  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL05

Manual Integrations  
 APPROVED

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

Quant Time: Jul 17 06:18:32 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        | 4.600          | 168  | 551667              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 5.532          | 114  | 971993              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 8.776          | 117  | 880946              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.175         | 152  | 395293              | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 4.941          | 65   | 379080              | 56.240 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 81 - 118 |      | Recovery = 112.480% |        |        |          |
| 35) Dibromofluoromethane     | 4.500          | 113  | 312602              | 47.171 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 80 - 119 |      | Recovery = 94.340%  |        |        |          |
| 50) Toluene-d8               | 7.236          | 98   | 1103003             | 55.063 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 89 - 112 |      | Recovery = 110.120% |        |        |          |
| 62) 4-Bromofluorobenzene     | 10.001         | 95   | 404447              | 50.120 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 85 - 114 |      | Recovery = 100.240% |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.118          | 85   | 9813                | 2.024  | ug/l   | 90       |
| 3) Chloromethane             | 1.230          | 50   | 11563               | 2.209  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.294          | 62   | 12677               | 2.116  | ug/l   | 99       |
| 5) Bromomethane              | 1.487          | 94   | 11685               | 2.601  | ug/l   | 94       |
| 6) Chloroethane              | 1.555          | 64   | 8453                | 2.111  | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 1.722          | 101  | 22102               | 2.085  | ug/l   | 100      |
| 8) Diethyl Ether             | 1.918          | 74   | 8929                | 2.342  | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 2.082          | 101  | 12972               | 2.047  | ug/l   | 96       |
| 10) Methyl Iodide            | 2.198          | 142  | 13460               | 1.850  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 2.574          | 59   | 19056               | 12.280 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.082          | 96   | 12207               | 2.114  | ug/l   | 99       |
| 13) Acrolein                 | 2.011          | 56   | 2603                | 11.599 | ug/l # | 79       |
| 14) Allyl chloride           | 2.359          | 41   | 19077               | 2.073  | ug/l   | 99       |
| 15) Acrylonitrile            | 2.677          | 53   | 44732               | 11.264 | ug/l   | 99       |
| 16) Acetone                  | 2.124          | 43   | 37504               | 12.858 | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.253          | 76   | 28366               | 2.354  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.381          | 43   | 19694               | 1.996  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 2.712          | 73   | 45109               | 2.083  | ug/l   | 95       |
| 20) Methylene Chloride       | 2.455          | 84   | 15471               | 2.091  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 2.703          | 96   | 12542               | 2.041  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.217          | 45   | 36408               | 1.980  | ug/l # | 52       |
| 23) Vinyl Acetate            | 3.198          | 43   | 141378              | 9.808  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.121          | 63   | 25966               | 2.157  | ug/l   | 96       |
| 25) 2-Butanone               | 3.899          | 43   | 43729               | 10.460 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 3.815          | 77   | 20402               | 1.935  | ug/l   | 86       |
| 27) cis-1,2-Dichloroethene   | 3.834          | 96   | 13189               | 1.869  | ug/l   | 94       |
| 28) Bromochloromethane       | 4.166          | 49   | 9822m               | 2.108  | ug/l   |          |
| 29) Tetrahydrofuran          | 4.256          | 42   | 25147               | 9.127  | ug/l   | 93       |
| 30) Chloroform               | 4.285          | 83   | 26794               | 2.019  | ug/l   | 97       |
| 31) Cyclohexane              | 4.593          | 56   | 26218               | 3.318  | ug/l # | 68       |
| 32) 1,1,1-Trichloroethane    | 4.510          | 97   | 23985               | 2.071  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 4.751          | 75   | 16506m              | 2.167  | ug/l   |          |
| 37) Ethyl Acetate            | 4.015          | 43   | 21244m              | 2.369  | ug/l   |          |
| 38) Carbon Tetrachloride     | 4.738          | 117  | 19842m              | 1.961  | ug/l   |          |
| 39) Methylcyclohexane        | 6.047          | 83   | 15825               | 1.761  | ug/l # | 88       |
| 40) Benzene                  | 5.021          | 78   | 50487               | 1.955  | ug/l   | 95       |

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 Sample : MDL05  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL05

Manual Integrations  
 APPROVED

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

Quant Time: Jul 17 06:18:32 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         | 4.195  | 41   | 6001m    | 1.458  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 5.050  | 62   | 20364    | 2.069  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 5.217  | 43   | 25469    | 1.796  | ug/l # | 85       |
| 44) Trichloroethene           | 5.847  | 130  | 12443    | 1.844  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 6.098  | 63   | 12573    | 1.843  | ug/l   | 99       |
| 46) Dibromomethane            | 6.246  | 93   | 9527     | 1.805  | ug/l   | 95       |
| 47) Bromodichloromethane      | 6.439  | 83   | 19941    | 1.781  | ug/l # | 96       |
| 48) Methyl methacrylate       | 6.333  | 41   | 14455m   | 2.349  | ug/l   |          |
| 49) 1,4-Dioxane               | 6.313  | 88   | 5155m    | 38.874 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 7.159  | 43   | 75707    | 7.840  | ug/l   | 100      |
| 52) Toluene                   | 7.320  | 92   | 31021    | 1.907  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 7.596  | 75   | 17588    | 1.736  | ug/l   | 91       |
| 54) cis-1,3-Dichloropropene   | 6.966  | 75   | 18846    | 1.720  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 7.773  | 97   | 15014    | 1.931  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 7.741  | 69   | 12917    | 1.398  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 7.947  | 76   | 21451    | 1.840  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 6.825  | 63   | 38783    | 6.956  | ug/l   | 95       |
| 59) 2-Hexanone                | 8.082  | 43   | 55812    | 7.764  | ug/l   | 90       |
| 60) Dibromochloromethane      | 8.172  | 129  | 16148    | 1.764  | ug/l   | 93       |
| 61) 1,2-Dibromoethane         | 8.288  | 107  | 13426    | 1.714  | ug/l   | 97       |
| 64) Tetrachloroethene         | 7.902  | 164  | 11242    | 1.946  | ug/l   | 93       |
| 65) Chlorobenzene             | 8.809  | 112  | 37543    | 1.950  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 8.902  | 131  | 13889    | 1.809  | ug/l   | 92       |
| 67) Ethyl Benzene             | 8.947  | 91   | 53769    | 1.881  | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.069  | 106  | 36941    | 3.320  | ug/l   | 100      |
| 69) o-Xylene                  | 9.477  | 106  | 18713    | 1.782  | ug/l   | 88       |
| 70) Styrene                   | 9.500  | 104  | 26710    | 1.439  | ug/l   | 95       |
| 71) Bromoform                 | 9.664  | 173  | 12306    | 1.972  | ug/l # | 99       |
| 73) Isopropylbenzene          | 9.860  | 105  | 44492    | 1.884  | ug/l   | 98       |
| 74) N-amyl acetate            | 9.738  | 43   | 17208    | 1.989  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 24412    | 2.468  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.207 | 75   | 15331    | 2.086  | ug/l   | 78       |
| 77) Bromobenzene              | 10.153 | 156  | 15045    | 2.428  | ug/l   | 97       |
| 78) n-propylbenzene           | 10.284 | 91   | 56528    | 2.048  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.355 | 91   | 36363    | 2.071  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 38918    | 1.954  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 9.937  | 75   | 4982m    | 1.654  | ug/l   |          |
| 82) 4-Chlorotoluene           | 10.471 | 91   | 37183    | 1.895  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 10.792 | 119  | 42630    | 2.041  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 38540    | 1.966  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.014 | 105  | 49273    | 1.849  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.172 | 119  | 43311    | 1.914  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.114 | 146  | 24858    | 1.966  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 11.201 | 146  | 30308m   | 2.203  | ug/l   |          |
| 89) n-Butylbenzene            | 11.587 | 91   | 37450    | 1.813  | ug/l   | 100      |
| 90) Hexachloroethane          | 11.825 | 117  | 12525    | 2.327  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 11.577 | 146  | 25912    | 2.111  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.361 | 75   | 4332     | 1.937  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.194 | 180  | 13575    | 1.873  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.371 | 225  | 7738     | 2.073  | ug/l   | 98       |
| 95) Naphthalene               | 13.435 | 128  | 40810    | 1.714  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 13749    | 1.830  | ug/l   | 96       |

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Sample : MDL05  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
MDL05

Manual Integrations  
APPROVED

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

Quant Time: Jul 17 06:18:32 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

