

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW071125\  
 Data File : VW038880.D  
 Acq On : 11 Jul 2025 08:47  
 Operator : SY/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDICC005

Quant Time: Jul 14 06:07:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V071125W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 14 06:07:21 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025  
 Supervised By :Semsettin Yesilyurt 07/14/2025

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 4.596          | 168  | 399204     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 5.529          | 114  | 649537     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 8.776          | 117  | 623995     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.175         | 152  | 323775     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 4.953          | 65   | 31246      | 6.406    | ug/l   | 0.01     |
| Spiked Amount 50.000         | Range 81 - 118 |      | Recovery = | 12.820%# |        |          |
| 35) Dibromofluoromethane     | 4.503          | 113  | 27147      | 6.130    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 80 - 119 |      | Recovery = | 12.260%# |        |          |
| 50) Toluene-d8               | 7.239          | 98   | 83648      | 6.249    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 89 - 112 |      | Recovery = | 12.500%# |        |          |
| 62) 4-Bromofluorobenzene     | 10.008         | 95   | 28928      | 5.365    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 85 - 114 |      | Recovery = | 10.720%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.118          | 85   | 20855      | 5.946    | ug/l   | 99       |
| 3) Chloromethane             | 1.230          | 50   | 22432      | 5.922    | ug/l   | 94       |
| 4) Vinyl Chloride            | 1.294          | 62   | 26915      | 6.208    | ug/l   | 99       |
| 5) Bromomethane              | 1.487          | 94   | 22946m     | 3.643    | ug/l   |          |
| 6) Chloroethane              | 1.555          | 64   | 17068      | 5.890    | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.722          | 101  | 46606      | 6.076    | ug/l   | 97       |
| 8) Diethyl Ether             | 1.918          | 74   | 15516      | 5.625    | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.079          | 101  | 27100      | 5.909    | ug/l   | 96       |
| 10) Methyl Iodide            | 2.195          | 142  | 30672      | 5.825    | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.574          | 59   | 28189      | 25.103   | ug/l # | 85       |
| 12) 1,1-Dichloroethene       | 2.082          | 96   | 24920      | 5.963    | ug/l   | 96       |
| 13) Acrolein                 | 2.015          | 56   | 4615       | 28.419   | ug/l   | 86       |
| 14) Allyl chloride           | 2.359          | 41   | 37206      | 5.588    | ug/l   | 98       |
| 15) Acrylonitrile            | 2.677          | 53   | 76744      | 26.706   | ug/l   | 98       |
| 16) Acetone                  | 2.121          | 43   | 46356      | 21.963   | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.249          | 76   | 58711      | 6.757    | ug/l   | 97       |
| 18) Methyl Acetate           | 2.381          | 43   | 30702      | 4.299    | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 2.712          | 73   | 81228      | 5.184    | ug/l   | 98       |
| 20) Methylene Chloride       | 2.455          | 84   | 30155      | 5.632    | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 2.703          | 96   | 25626      | 5.763    | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.217          | 45   | 69801      | 5.247    | ug/l   | 81       |
| 23) Vinyl Acetate            | 3.191          | 43   | 287709     | 27.581   | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.117          | 63   | 50439      | 5.789    | ug/l   | 98       |
| 25) 2-Butanone               | 3.883          | 43   | 61849m     | 20.469   | ug/l   |          |
| 26) 2,2-Dichloropropane      | 3.809          | 77   | 42613      | 5.586    | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 3.825          | 96   | 27517      | 5.389    | ug/l   | 98       |
| 28) Bromochloromethane       | 4.150          | 49   | 19842      | 5.884    | ug/l   | 89       |
| 29) Tetrahydrofuran          | 4.243          | 42   | 43993      | 22.064   | ug/l   | 97       |
| 30) Chloroform               | 4.278          | 83   | 52106      | 5.425    | ug/l   | 100      |
| 31) Cyclohexane              | 4.590          | 56   | 37722      | 6.596    | ug/l # | 81       |
| 32) 1,1,1-Trichloroethane    | 4.513          | 97   | 49368      | 5.891    | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 4.741          | 75   | 28915      | 5.681    | ug/l   | 98       |
| 37) Ethyl Acetate            | 3.992          | 43   | 28395      | 4.739    | ug/l # | 83       |
| 38) Carbon Tetrachloride     | 4.735          | 117  | 37119      | 5.491    | ug/l   | 98       |
| 39) Methylcyclohexane        | 6.043          | 83   | 33565      | 5.589    | ug/l   | 97       |
| 40) Benzene                  | 5.011          | 78   | 96832      | 5.612    | ug/l   | 98       |

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 Data File : VV038880.D  
 Acq On : 11 Jul 2025 08:47  
 Operator : SY/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025  
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 14 06:07:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V071125W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 14 06:07:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.175  | 41   | 10438m   | 3.844  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 5.047  | 62   | 36157    | 5.498  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 5.204  | 43   | 44545    | 4.700  | ug/l   | 96       |
| 44) Trichloroethene           | 5.834  | 130  | 25169    | 5.583  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 6.095  | 63   | 23783    | 5.218  | ug/l   | 99       |
| 46) Dibromomethane            | 6.233  | 93   | 19117    | 5.421  | ug/l   | 95       |
| 47) Bromodichloromethane      | 6.429  | 83   | 41571    | 5.555  | ug/l   | 97       |
| 48) Methyl methacrylate       | 6.330  | 41   | 21007m   | 5.062  | ug/l   |          |
| 49) 1,4-Dioxane               | 6.304  | 88   | 7795m    | 87.511 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 7.153  | 43   | 150501   | 23.322 | ug/l   | 94       |
| 52) Toluene                   | 7.317  | 92   | 56897    | 5.235  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 7.583  | 75   | 35356    | 5.221  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 6.957  | 75   | 37760    | 5.158  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 7.764  | 97   | 29428    | 5.664  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 7.728  | 69   | 26371    | 4.272  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 7.940  | 76   | 42123    | 5.408  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 6.818  | 63   | 78691    | 25.243 | ug/l   | 97       |
| 59) 2-Hexanone                | 8.072  | 43   | 100384m  | 20.897 | ug/l   |          |
| 60) Dibromochloromethane      | 8.169  | 129  | 32509    | 5.314  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.281  | 107  | 28033    | 5.356  | ug/l   | 93       |
| 64) Tetrachloroethene         | 7.902  | 164  | 24339    | 5.947  | ug/l   | 91       |
| 65) Chlorobenzene             | 8.805  | 112  | 73160    | 5.366  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 8.899  | 131  | 28929    | 5.320  | ug/l   | 97       |
| 67) Ethyl Benzene             | 8.940  | 91   | 100264   | 4.952  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.066  | 106  | 74313    | 9.428  | ug/l   | 97       |
| 69) o-Xylene                  | 9.471  | 106  | 34438    | 4.629  | ug/l   | 99       |
| 70) Styrene                   | 9.490  | 104  | 58243    | 4.430  | ug/l   | 97       |
| 71) Bromoform                 | 9.657  | 173  | 24477    | 5.538  | ug/l # | 97       |
| 73) Isopropylbenzene          | 9.857  | 105  | 98880    | 5.111  | ug/l   | 100      |
| 74) N-amyl acetate            | 9.731  | 43   | 32011    | 4.517  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 44902    | 5.541  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 10.201 | 75   | 31525    | 5.237  | ug/l   | 81       |
| 77) Bromobenzene              | 10.146 | 156  | 26505    | 5.223  | ug/l   | 98       |
| 78) n-propylbenzene           | 10.281 | 91   | 109964   | 4.863  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.352 | 91   | 72391    | 5.034  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 79411    | 4.868  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 9.934  | 75   | 11375    | 4.611  | ug/l # | 86       |
| 82) 4-Chlorotoluene           | 10.468 | 91   | 78568    | 4.888  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 10.792 | 119  | 86041    | 5.030  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 76136    | 4.743  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.014 | 105  | 108770   | 4.982  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.169 | 119  | 89121    | 4.808  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.111 | 146  | 53345    | 5.150  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.198 | 146  | 60996    | 5.413  | ug/l   | 95       |
| 89) n-Butylbenzene            | 11.583 | 91   | 80781    | 4.774  | ug/l   | 98       |
| 90) Hexachloroethane          | 11.821 | 117  | 24921    | 5.653  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 11.570 | 146  | 54967    | 5.466  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.355 | 75   | 9640     | 5.262  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.191 | 180  | 27821    | 4.687  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.371 | 225  | 16724    | 5.471  | ug/l   | 95       |
| 95) Naphthalene               | 13.429 | 128  | 83401    | 4.246  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.670 | 180  | 28474    | 4.628  | ug/l   | 95       |

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Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025  
Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 14 06:07:52 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\82V071125W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 14 06:07:21 2025  
Response via : Initial Calibration

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

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

