

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081125\  
 Data File : VW032053.D  
 Acq On : 11 Aug 2025 09:09  
 Operator : SY/MD  
 Sample : VSTDICC010  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICC010

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025  
 Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W081125S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 12 03:34:13 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.959          | 168  | 225221     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.849          | 114  | 426784     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.629         | 117  | 385631     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.556         | 152  | 181281     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.319          | 65   | 33671      | 10.337   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 63 - 155 |      | Recovery = | 20.680%# |        |          |
| 35) Dibromofluoromethane     | 7.904          | 113  | 27978      | 10.147   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 70 - 134 |      | Recovery = | 20.300%# |        |          |
| 50) Toluene-d8               | 10.331         | 98   | 100702     | 9.875    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 123 |      | Recovery = | 19.740%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.617         | 95   | 36748      | 9.778    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 17 - 146 |      | Recovery = | 19.560%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.039          | 85   | 17258      | 10.714   | ug/l   | 99       |
| 3) Chloromethane             | 2.253          | 50   | 21693      | 9.998    | ug/l   | 91       |
| 4) Vinyl Chloride            | 2.405          | 62   | 27978      | 10.660   | ug/l   | 92       |
| 5) Bromomethane              | 2.826          | 94   | 20345      | 10.332   | ug/l   | 93       |
| 6) Chloroethane              | 2.966          | 64   | 17509      | 10.081   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.301          | 101  | 19623      | 9.333    | ug/l   | 99       |
| 8) Diethyl Ether             | 3.716          | 74   | 17227      | 10.000   | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 4.100          | 101  | 25491      | 10.276   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.301          | 142  | 35515      | 10.098   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.228          | 59   | 10754      | 50.985   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.082          | 96   | 27944      | 10.231   | ug/l   | 99       |
| 13) Acrolein                 | 3.929          | 56   | 18650      | 55.493   | ug/l   | 94       |
| 14) Allyl chloride           | 4.704          | 41   | 39114      | 9.839    | ug/l   | 100      |
| 15) Acrylonitrile            | 5.405          | 53   | 42536      | 51.842   | ug/l   | 100      |
| 16) Acetone                  | 4.161          | 43   | 40816      | 54.122   | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.423          | 76   | 72806      | 9.931    | ug/l   | 97       |
| 18) Methyl Acetate           | 4.716          | 43   | 27191      | 11.394   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.460          | 73   | 47872      | 9.947    | ug/l   | 97       |
| 20) Methylene Chloride       | 4.960          | 84   | 35462      | 10.170   | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.454          | 96   | 28875      | 9.962    | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.344          | 45   | 84045      | 10.029   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.283          | 43   | 259050     | 47.081   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.240          | 63   | 54051      | 10.095   | ug/l   | 98       |
| 25) 2-Butanone               | 7.197          | 43   | 54327      | 50.685   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.185          | 77   | 27463      | 10.224   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.191          | 96   | 33173      | 9.791    | ug/l   | 99       |
| 28) Bromochloromethane       | 7.532          | 49   | 24412      | 10.019   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.557          | 42   | 35909      | 50.800   | ug/l   | 99       |
| 30) Chloroform               | 7.697          | 83   | 57170      | 10.071   | ug/l   | 99       |
| 31) Cyclohexane              | 7.971          | 56   | 48633      | 10.477   | ug/l # | 95       |
| 32) 1,1,1-Trichloroethane    | 7.886          | 97   | 42747      | 10.368   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.093          | 75   | 38994      | 10.032   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.276          | 43   | 23053      | 10.070   | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 8.081          | 117  | 37535      | 10.007   | ug/l   | 91       |
| 39) Methylcyclohexane        | 9.343          | 83   | 46100      | 9.731    | ug/l   | 96       |
| 40) Benzene                  | 8.337          | 78   | 121462     | 10.053   | ug/l   | 95       |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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Manual Integrations  
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Reviewed By :Mahesh Dadoda 08/12/2025  
 Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 12 03:37:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W081125S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 12 03:34:13 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.502  | 41   | 11729    | 9.035   | ug/l # | 90       |
| 42) 1,2-Dichloroethane        | 8.410  | 62   | 39882    | 10.316  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.435  | 43   | 41036    | 9.743   | ug/l   | 98       |
| 44) Trichloroethene           | 9.105  | 130  | 28498    | 9.905   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.374  | 63   | 29199    | 10.004  | ug/l   | 98       |
| 46) Dibromomethane            | 9.471  | 93   | 18653    | 9.901   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.654  | 83   | 42618    | 9.818   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.441  | 41   | 19654    | 9.666   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.465  | 88   | 4684     | 192.302 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.215 | 43   | 121419   | 51.075  | ug/l   | 99       |
| 52) Toluene                   | 10.392 | 92   | 75250    | 9.888   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.605 | 75   | 38397    | 9.441   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.075 | 75   | 44031    | 9.543   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 25277    | 10.097  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 31022    | 9.260   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 44743    | 10.254  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 88627    | 47.830  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.971 | 43   | 82830    | 50.310  | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.129 | 129  | 27954    | 9.776   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.239 | 107  | 24146    | 9.926   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.867 | 164  | 23235    | 10.431  | ug/l   | 90       |
| 65) Chlorobenzene             | 11.660 | 112  | 86096    | 10.257  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.733 | 131  | 26286    | 10.037  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.733 | 91   | 139254   | 9.794   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.837 | 106  | 108990   | 19.866  | ug/l   | 98       |
| 69) o-Xylene                  | 12.166 | 106  | 49259    | 9.714   | ug/l   | 97       |
| 70) Styrene                   | 12.184 | 104  | 87542    | 9.719   | ug/l   | 99       |
| 71) Bromoform                 | 12.349 | 173  | 14547    | 9.711   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.464 | 105  | 125246   | 9.886   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.269 | 43   | 35636    | 9.804   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 31581    | 10.499  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 25489m   | 9.147   | ug/l   |          |
| 77) Bromobenzene              | 12.745 | 156  | 31656    | 10.462  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.800 | 91   | 156266   | 10.019  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 96942    | 10.071  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 108123   | 10.053  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.513 | 75   | 8936     | 9.403   | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.989 | 91   | 103329   | 10.103  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.202 | 119  | 86848    | 9.729   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 110697   | 10.110  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 131663   | 9.756   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 110557   | 9.827   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 62383    | 10.361  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 62843    | 10.328  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.818 | 91   | 108004   | 9.881   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.086 | 117  | 20175    | 9.805   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 56501    | 10.359  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.482 | 75   | 5305     | 9.920   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.129 | 180  | 31816    | 9.751   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.232 | 225  | 14987    | 10.276  | ug/l   | 98       |
| 95) Naphthalene               | 15.360 | 128  | 76287    | 9.542   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 28678    | 9.660   | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Tue Aug 12 03:34:13 2025  
Response via : Initial Calibration

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

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