

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071025\  
 Data File : VW031793.D  
 Acq On : 10 Jul 2025 11:05  
 Operator : SY/MD  
 Sample : VW0710SBS01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0710SBS01

Manual Integrations  
 APPROVED

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

Quant Time: Jul 11 02:15:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:35:17 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.965          | 168  | 227800     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855          | 114  | 411611     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.635         | 117  | 356304     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.556         | 152  | 178658     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.319          | 65   | 159491     | 48.786   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 63 - 155 |      | Recovery = | 97.580%  |        |          |
| 35) Dibromofluoromethane     | 7.904          | 113  | 127793     | 47.578   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 70 - 134 |      | Recovery = | 95.160%  |        |          |
| 50) Toluene-d8               | 10.331         | 98   | 492896     | 49.312   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 123 |      | Recovery = | 98.620%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.617         | 95   | 188760     | 51.317   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 17 - 146 |      | Recovery = | 102.640% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.046          | 85   | 28672      | 18.481   | ug/l   | 97       |
| 3) Chloromethane             | 2.259          | 50   | 36132      | 19.318   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.405          | 62   | 49314      | 20.060   | ug/l   | 99       |
| 5) Bromomethane              | 2.826          | 94   | 36183      | 18.843   | ug/l   | 99       |
| 6) Chloroethane              | 2.972          | 64   | 32708      | 19.587   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.308          | 101  | 40846      | 18.295   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.728          | 74   | 32965      | 19.431   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.112          | 101  | 47864      | 19.315   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.313          | 142  | 73757      | 19.306   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.222          | 59   | 18221      | 89.964   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.082          | 96   | 54927      | 20.236   | ug/l   | 95       |
| 13) Acrolein                 | 3.935          | 56   | 27559      | 75.707   | ug/l   | 97       |
| 14) Allyl chloride           | 4.710          | 41   | 84175      | 20.212   | ug/l   | 98       |
| 15) Acrylonitrile            | 5.405          | 53   | 78337      | 93.899   | ug/l   | 99       |
| 16) Acetone                  | 4.167          | 43   | 82057      | 101.550  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.423          | 76   | 135639     | 18.674   | ug/l   | 97       |
| 18) Methyl Acetate           | 4.716          | 43   | 40980      | 17.745   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.466          | 73   | 97453      | 21.153   | ug/l   | 97       |
| 20) Methylene Chloride       | 4.954          | 84   | 86741      | 24.344   | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.466          | 96   | 57914      | 20.080   | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.344          | 45   | 178983     | 22.036   | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.289          | 43   | 573681     | 103.404  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.246          | 63   | 107072     | 20.333   | ug/l   | 98       |
| 25) 2-Butanone               | 7.203          | 43   | 113760     | 108.215  | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 7.191          | 77   | 61808      | 20.117   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.197          | 96   | 68850      | 20.767   | ug/l   | 98       |
| 28) Bromochloromethane       | 7.532          | 49   | 46935      | 20.197   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.557          | 42   | 70344      | 97.711   | ug/l   | 98       |
| 30) Chloroform               | 7.697          | 83   | 118527     | 21.182   | ug/l   | 99       |
| 31) Cyclohexane              | 7.971          | 56   | 94163      | 20.229   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.886          | 97   | 85287      | 19.778   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.099          | 75   | 80231      | 20.643   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.282          | 43   | 49109      | 20.030   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.087          | 117  | 77589      | 19.590   | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.343          | 83   | 98634      | 20.397   | ug/l   | 97       |
| 40) Benzene                  | 8.337          | 78   | 239525     | 20.830   | ug/l   | 99       |

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 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:35:17 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.508  | 41   | 27114    | 20.644  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.416  | 62   | 79451    | 20.448  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.441  | 43   | 84356    | 19.959  | ug/l   | 99       |
| 44) Trichloroethene           | 9.105  | 130  | 58660    | 20.438  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.380  | 63   | 58767    | 21.145  | ug/l   | 98       |
| 46) Dibromomethane            | 9.465  | 93   | 36342    | 20.254  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.648  | 83   | 85402    | 20.298  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.447  | 41   | 40682    | 19.576  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.465  | 88   | 7968     | 379.166 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.215 | 43   | 243938   | 100.395 | ug/l   | 99       |
| 52) Toluene                   | 10.392 | 92   | 153770   | 20.886  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.611 | 75   | 81344    | 20.605  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.081 | 75   | 93385    | 20.867  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 48442    | 20.611  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 65863    | 20.656  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 85519    | 20.724  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 180719   | 102.926 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.971 | 43   | 184308   | 111.938 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.129 | 129  | 54573    | 19.417  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.239 | 107  | 48122    | 20.452  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.867 | 164  | 45363    | 19.464  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.660 | 112  | 168300   | 21.409  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.733 | 131  | 54158    | 21.619  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.733 | 91   | 300506   | 22.045  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.843 | 106  | 221549   | 42.278  | ug/l   | 97       |
| 69) o-Xylene                  | 12.166 | 106  | 105871   | 21.820  | ug/l   | 99       |
| 70) Styrene                   | 12.184 | 104  | 179672   | 21.421  | ug/l   | 98       |
| 71) Bromoform                 | 12.349 | 173  | 26927    | 18.018  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.464 | 105  | 276577   | 20.352  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.269 | 43   | 74607    | 20.368  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 59677    | 19.780  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 47147m   | 20.421  | ug/l   |          |
| 77) Bromobenzene              | 12.745 | 156  | 62484    | 20.615  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.800 | 91   | 341885   | 21.009  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 200599   | 20.471  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 239593   | 21.299  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75   | 17858    | 18.016  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 12.989 | 91   | 215000   | 20.898  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.202 | 119  | 193236   | 20.054  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 239532   | 21.016  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 297918   | 20.599  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 243955   | 20.467  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 120827   | 19.878  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.580 | 146  | 118668   | 19.074  | ug/l   | 92       |
| 89) n-Butylbenzene            | 13.818 | 91   | 243206   | 21.000  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.092 | 117  | 40832    | 18.988  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 111078   | 19.994  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.482 | 75   | 10704    | 18.170  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.129 | 180  | 66450    | 19.394  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 31136    | 18.819  | ug/l   | 92       |
| 95) Naphthalene               | 15.360 | 128  | 159288   | 18.963  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 58180    | 18.480  | ug/l   | 92       |

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

