

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081125\  
 Data File : VW032059.D  
 Acq On : 11 Aug 2025 11:51  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ICVVW081125

Manual Integrations  
 APPROVED

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

Quant Time: Aug 12 04:12:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W081125S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 12 04:04:48 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.959          | 168  | 226453     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.849          | 114  | 420434     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.629         | 117  | 386856     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.556         | 152  | 182577     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.319          | 65   | 161155     | 49.205   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 63 - 155 |      | Recovery = | 98.420%  |        |          |
| 35) Dibromofluoromethane     | 7.898          | 113  | 135642     | 49.939   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 70 - 134 |      | Recovery = | 99.880%  |        |          |
| 50) Toluene-d8               | 10.325         | 98   | 499377     | 49.708   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 123 |      | Recovery = | 99.420%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.617         | 95   | 190514     | 51.460   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 17 - 146 |      | Recovery = | 102.920% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.040          | 85   | 69757      | 43.069   | ug/l   | 98       |
| 3) Chloromethane             | 2.253          | 50   | 103574     | 47.474   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.405          | 62   | 124287     | 47.096   | ug/l   | 95       |
| 5) Bromomethane              | 2.820          | 94   | 93451      | 47.201   | ug/l   | 100      |
| 6) Chloroethane              | 2.966          | 64   | 83573      | 47.858   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.308          | 101  | 108634     | 51.386   | ug/l   | 91       |
| 8) Diethyl Ether             | 3.722          | 74   | 87261      | 50.380   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.100          | 101  | 118012     | 47.316   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.307          | 142  | 175903     | 49.742   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.210          | 59   | 57666      | 271.910  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.076          | 96   | 131802     | 47.992   | ug/l   | 97       |
| 13) Acrolein                 | 3.929          | 56   | 80072      | 236.960  | ug/l   | 98       |
| 14) Allyl chloride           | 4.710          | 41   | 204222     | 51.094   | ug/l   | 99       |
| 15) Acrylonitrile            | 5.405          | 53   | 219409     | 265.958  | ug/l   | 99       |
| 16) Acetone                  | 4.161          | 43   | 192802     | 254.262  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.423          | 76   | 360982     | 48.970   | ug/l   | 96       |
| 18) Methyl Acetate           | 4.716          | 43   | 126246     | 52.614   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.466          | 73   | 263546     | 54.465   | ug/l   | 100      |
| 20) Methylene Chloride       | 4.954          | 84   | 162865     | 46.453   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.466          | 96   | 145825     | 50.035   | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.338          | 45   | 438483     | 52.038   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.283          | 43   | 1494873    | 270.210  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.246          | 63   | 265060     | 49.234   | ug/l   | 98       |
| 25) 2-Butanone               | 7.191          | 43   | 293227     | 272.083  | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.185          | 77   | 134123     | 49.659   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.185          | 96   | 175120     | 51.404   | ug/l   | 98       |
| 28) Bromochloromethane       | 7.532          | 49   | 123268     | 50.315   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.551          | 42   | 194909     | 274.235  | ug/l   | 100      |
| 30) Chloroform               | 7.691          | 83   | 284250     | 49.803   | ug/l   | 98       |
| 31) Cyclohexane              | 7.971          | 56   | 217714     | 46.646   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.886          | 97   | 207733     | 50.108   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.093          | 75   | 189820     | 49.574   | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.270          | 43   | 124516     | 55.214   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.081          | 117  | 184816     | 50.015   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.343          | 83   | 243533     | 52.181   | ug/l   | 98       |
| 40) Benzene                  | 8.337          | 78   | 598350     | 50.272   | ug/l   | 98       |

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 ALS Vial : 10 Sample Multiplier: 1

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 ClientSampleId :  
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Quant Time: Aug 12 04:12:44 2025  
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 Quant Title : SW846 8260  
 QLast Update : Tue Aug 12 04:04:48 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.502  | 41   | 70600    | 55.204   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.410  | 62   | 194825   | 51.154   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.435  | 43   | 227561   | 54.846   | ug/l   | 99       |
| 44) Trichloroethene           | 9.099  | 130  | 139383   | 49.175   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.374  | 63   | 147807   | 51.403   | ug/l   | 99       |
| 46) Dibromomethane            | 9.465  | 93   | 93713    | 50.497   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.648  | 83   | 221409   | 51.775   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.441  | 41   | 110265   | 55.048   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.459  | 88   | 27718    | 1155.151 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 10.215 | 43   | 645391   | 275.585  | ug/l   | 100      |
| 52) Toluene                   | 10.392 | 92   | 377919   | 50.410   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.611 | 75   | 212772   | 53.108   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.075 | 75   | 238970   | 52.577   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 127536   | 51.716   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 186039   | 56.374   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 220027   | 51.186   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 498131   | 272.893  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.971 | 43   | 457083   | 281.817  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.129 | 129  | 147264   | 52.276   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.239 | 107  | 126064   | 52.603   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.861 | 164  | 114507   | 51.245   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.660 | 112  | 416485   | 49.461   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.733 | 131  | 132212   | 50.324   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.727 | 91   | 716757   | 50.253   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.837 | 106  | 559216   | 101.607  | ug/l   | 99       |
| 69) o-Xylene                  | 12.160 | 106  | 261548   | 51.416   | ug/l   | 98       |
| 70) Styrene                   | 12.178 | 104  | 468335   | 51.833   | ug/l   | 99       |
| 71) Bromoform                 | 12.349 | 173  | 82571    | 54.945   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.458 | 105  | 670779   | 52.571   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.269 | 43   | 203837   | 55.682   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 159092   | 52.514   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 119168m  | 48.091   | ug/l   |          |
| 77) Bromobenzene              | 12.745 | 156  | 152028   | 49.886   | ug/l   | 94       |
| 78) n-propylbenzene           | 12.800 | 91   | 803474   | 51.148   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.885 | 91   | 495562   | 51.114   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 566437   | 52.291   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75   | 51275    | 53.570   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.989 | 91   | 518248   | 50.312   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.202 | 119  | 483459   | 53.777   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 587831   | 53.308   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 687367   | 50.571   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 584473   | 51.580   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 305044   | 50.304   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 306047   | 49.942   | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.818 | 91   | 571978   | 51.958   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.092 | 117  | 104295   | 50.329   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 279745   | 50.926   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.482 | 75   | 29014    | 53.872   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.123 | 180  | 173386   | 52.764   | ug/l   | 90       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 75299    | 51.262   | ug/l   | 92       |
| 95) Naphthalene               | 15.360 | 128  | 438139   | 54.415   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 162431   | 54.327   | ug/l   | 98       |

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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

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