

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082625\  
 Data File : VW032140.D  
 Acq On : 26 Aug 2025 11:07  
 Operator : SY/MD  
 Sample : VSTDICCC050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025  
 Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 02:58:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W082625S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 27 02:53:56 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.959          | 168  | 207526     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855          | 114  | 351306     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.635         | 117  | 330317     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.556         | 152  | 164097     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.319          | 65   | 142811     | 48.119   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 63 - 155 |      | Recovery = | 96.240%  |        |          |
| 35) Dibromofluoromethane     | 7.904          | 113  | 117098     | 47.509   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 70 - 134 |      | Recovery = | 95.020%  |        |          |
| 50) Toluene-d8               | 10.325         | 98   | 436469     | 50.445   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 123 |      | Recovery = | 100.880% |        |          |
| 62) 4-Bromofluorobenzene     | 12.617         | 95   | 158979     | 49.688   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 17 - 146 |      | Recovery = | 99.380%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.046          | 85   | 32962      | 24.057   | ug/l   | 87       |
| 3) Chloromethane             | 2.253          | 50   | 34674      | 24.137   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.405          | 62   | 46310      | 24.819   | ug/l   | 98       |
| 5) Bromomethane              | 2.820          | 94   | 41020      | 24.619   | ug/l   | 93       |
| 6) Chloroethane              | 2.972          | 64   | 31510      | 23.980   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.308          | 101  | 48347      | 26.151   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.722          | 74   | 33531      | 24.304   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.100          | 101  | 50439      | 24.219   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.307          | 142  | 78973      | 24.903   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.228          | 59   | 22115      | 121.820  | ug/l # | 85       |
| 12) 1,1-Dichloroethene       | 4.082          | 96   | 55944      | 25.507   | ug/l   | 100      |
| 13) Acrolein                 | 3.929          | 56   | 69892      | 250.460  | ug/l   | 99       |
| 14) Allyl chloride           | 4.710          | 41   | 78041      | 25.050   | ug/l   | 97       |
| 15) Acrylonitrile            | 5.405          | 53   | 82163      | 122.492  | ug/l   | 99       |
| 16) Acetone                  | 4.161          | 43   | 75921      | 118.117  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.429          | 76   | 137691     | 25.100   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.710          | 43   | 52639      | 25.703   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.472          | 73   | 104547     | 25.242   | ug/l   | 100      |
| 20) Methylene Chloride       | 4.960          | 84   | 72673      | 24.155   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.460          | 96   | 63192      | 25.791   | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.344          | 45   | 177905     | 26.237   | ug/l   | 100      |
| 23) Vinyl Acetate            | 6.283          | 43   | 577616     | 125.294  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.246          | 63   | 113103     | 25.479   | ug/l   | 99       |
| 25) 2-Butanone               | 7.197          | 43   | 111507     | 122.426  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.191          | 77   | 61242      | 26.052   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.191          | 96   | 73260      | 24.572   | ug/l   | 96       |
| 28) Bromochloromethane       | 7.532          | 49   | 99265      | 48.850   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.557          | 42   | 73453      | 126.909  | ug/l   | 98       |
| 30) Chloroform               | 7.691          | 83   | 129780     | 25.607   | ug/l   | 97       |
| 31) Cyclohexane              | 7.971          | 56   | 88832      | 24.381   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.886          | 97   | 96092      | 25.973   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.099          | 75   | 84628      | 26.482   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.276          | 43   | 47746      | 24.906   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.081          | 117  | 88808      | 25.923   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.343          | 83   | 96467      | 25.485   | ug/l   | 98       |
| 40) Benzene                  | 8.337          | 78   | 253945     | 25.707   | ug/l   | 96       |

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 Quant Title : SW846 8260  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.502  | 41   | 25860    | 24.279  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.410  | 62   | 86546    | 25.273  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.435  | 43   | 90235    | 25.090  | ug/l   | 99       |
| 44) Trichloroethene           | 9.105  | 130  | 63813    | 25.687  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.374  | 63   | 61875    | 25.984  | ug/l   | 98       |
| 46) Dibromomethane            | 9.465  | 93   | 42719    | 25.577  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.654  | 83   | 95714    | 25.217  | ug/l   | 93       |
| 48) Methyl methacrylate       | 9.441  | 41   | 41265    | 24.897  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.465  | 88   | 10283    | 509.556 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.215 | 43   | 258456   | 127.271 | ug/l   | 98       |
| 52) Toluene                   | 10.392 | 92   | 163489   | 25.326  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.611 | 75   | 85211    | 25.449  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.081 | 75   | 98638    | 25.818  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 54705    | 25.187  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 68761    | 24.763  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 91345    | 25.117  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 399438   | 269.510 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.971 | 43   | 178993   | 126.735 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.129 | 129  | 65260    | 24.831  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.239 | 107  | 54823    | 25.668  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.867 | 164  | 57804    | 26.588  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.654 | 112  | 192338   | 25.582  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.733 | 131  | 63726    | 25.745  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.733 | 91   | 319079   | 25.902  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.836 | 106  | 245942   | 51.876  | ug/l   | 98       |
| 69) o-Xylene                  | 12.166 | 106  | 116545   | 25.989  | ug/l   | 98       |
| 70) Styrene                   | 12.178 | 104  | 202011   | 25.554  | ug/l   | 99       |
| 71) Bromoform                 | 12.349 | 173  | 36297    | 24.689  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.464 | 105  | 299721   | 26.885  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.269 | 43   | 82221    | 25.403  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 69467    | 26.220  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.769 | 75   | 49950m   | 16.427  | ug/l   |          |
| 77) Bromobenzene              | 12.739 | 156  | 74664    | 26.264  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.800 | 91   | 375260   | 27.726  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 222704   | 26.908  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 249803   | 26.466  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.513 | 75   | 19792    | 25.921  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.989 | 91   | 232695   | 26.266  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.202 | 119  | 214370   | 26.786  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 265905   | 27.230  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 321650   | 26.919  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 267608   | 26.336  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 148142   | 25.880  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.580 | 146  | 150536   | 26.237  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.818 | 91   | 259683   | 26.805  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.086 | 117  | 48339    | 26.007  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 136706   | 26.975  | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.482 | 75   | 12022    | 25.686  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.129 | 180  | 86452    | 26.700  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 38667    | 24.079  | ug/l   | 90       |
| 95) Naphthalene               | 15.360 | 128  | 191442   | 26.125  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 80218    | 26.639  | ug/l   | 99       |

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

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