

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111225\  
 Data File : VW032439.D  
 Acq On : 12 Nov 2025 14:57  
 Operator : SY/MD  
 Sample : VW1112SBS01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1112SBS01

Quant Time: Nov 14 05:17:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 11 03:48:21 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 11/14/2025  
 Supervised By :Mahesh Dadoda 11/14/2025

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 7.959          | 168  | 374895              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.849          | 114  | 719465              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.629         | 117  | 636922              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.550         | 152  | 302748              | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.313          | 65   | 253400              | 52.428 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 63 - 155 |      | Recovery = 104.860% |        |        |          |
| 35) Dibromofluoromethane     | 7.898          | 113  | 205065              | 47.605 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 70 - 134 |      | Recovery = 95.220%  |        |        |          |
| 50) Toluene-d8               | 10.325         | 98   | 815066              | 49.322 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 123 |      | Recovery = 98.640%  |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.617         | 95   | 305770              | 48.981 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 17 - 146 |      | Recovery = 97.960%  |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.046          | 85   | 36326               | 19.098 | ug/l   | 97       |
| 3) Chloromethane             | 2.253          | 50   | 68604               | 21.042 | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.399          | 62   | 86321               | 20.979 | ug/l   | 97       |
| 5) Bromomethane              | 2.820          | 94   | 57292               | 20.816 | ug/l   | 96       |
| 6) Chloroethane              | 2.966          | 64   | 54344               | 20.187 | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.295          | 101  | 54296               | 16.831 | ug/l   | 100      |
| 8) Diethyl Ether             | 3.716          | 74   | 55262               | 20.952 | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.100          | 101  | 73106               | 20.803 | ug/l   | 99       |
| 10) Methyl Iodide            | 4.313          | 142  | 115219              | 20.357 | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.216          | 59   | 40913               | 97.893 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.076          | 96   | 83770               | 20.789 | ug/l   | 96       |
| 13) Acrolein                 | 3.923          | 56   | 69513               | 99.132 | ug/l   | 100      |
| 14) Allyl chloride           | 4.697          | 41   | 156480              | 20.193 | ug/l   | 99       |
| 15) Acrylonitrile            | 5.399          | 53   | 150002              | 98.363 | ug/l   | 99       |
| 16) Acetone                  | 4.155          | 43   | 141044              | 97.541 | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.417          | 76   | 242890              | 20.394 | ug/l   | 97       |
| 18) Methyl Acetate           | 4.704          | 43   | 72767               | 20.321 | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.466          | 73   | 165667              | 19.504 | ug/l   | 98       |
| 20) Methylene Chloride       | 4.947          | 84   | 111284              | 21.520 | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.453          | 96   | 92527               | 20.081 | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.331          | 45   | 332143              | 21.052 | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.283          | 43   | 1076261             | 99.565 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.240          | 63   | 184247              | 21.315 | ug/l   | 99       |
| 25) 2-Butanone               | 7.185          | 43   | 202551              | 95.080 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.179          | 77   | 92530               | 19.207 | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.185          | 96   | 111874              | 20.320 | ug/l   | 97       |
| 28) Bromochloromethane       | 7.526          | 49   | 87873               | 21.508 | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.551          | 42   | 132026              | 97.643 | ug/l   | 98       |
| 30) Chloroform               | 7.691          | 83   | 182480              | 21.564 | ug/l   | 97       |
| 31) Cyclohexane              | 7.965          | 56   | 159908              | 19.998 | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.880          | 97   | 123517              | 20.432 | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.093          | 75   | 126089              | 19.866 | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.270          | 43   | 91318               | 19.349 | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.081          | 117  | 109700              | 19.452 | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.337          | 83   | 151280              | 18.399 | ug/l   | 93       |
| 40) Benzene                  | 8.337          | 78   | 409859              | 20.053 | ug/l   | 100      |

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 ALS Vial : 5 Sample Multiplier: 1

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 ClientSampleId :  
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Quant Time: Nov 14 05:17:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 11 03:48:21 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 11/14/2025  
 Supervised By :Mahesh Dadoda 11/14/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.496  | 41   | 50074    | 19.315  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.410  | 62   | 125408   | 20.889  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.435  | 43   | 157848   | 18.889  | ug/l   | 98       |
| 44) Trichloroethene           | 9.099  | 130  | 93258    | 19.608  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.373  | 63   | 102309   | 20.103  | ug/l   | 99       |
| 46) Dibromomethane            | 9.465  | 93   | 59984    | 20.169  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.648  | 83   | 135022   | 19.903  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.441  | 41   | 75238    | 18.947  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.465  | 88   | 15549    | 373.211 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.209 | 43   | 441690   | 95.608  | ug/l   | 99       |
| 52) Toluene                   | 10.392 | 92   | 254887   | 20.189  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.611 | 75   | 129917   | 18.595  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.075 | 75   | 156646   | 19.388  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 79991    | 19.606  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 111683   | 17.841  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.928 | 76   | 145125   | 19.916  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 338312   | 101.481 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.971 | 43   | 311346   | 92.114  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.129 | 129  | 89767    | 19.702  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.233 | 107  | 78044    | 19.640  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.861 | 164  | 75001    | 19.885  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.654 | 112  | 280384   | 20.424  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.727 | 131  | 81044    | 19.076  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.727 | 91   | 464963   | 19.575  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.836 | 106  | 362328   | 40.627  | ug/l   | 100      |
| 69) o-Xylene                  | 12.166 | 106  | 166821   | 19.536  | ug/l   | 98       |
| 70) Styrene                   | 12.178 | 104  | 304211   | 20.709  | ug/l   | 98       |
| 71) Bromoform                 | 12.349 | 173  | 45771    | 18.189  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.458 | 105  | 419737   | 18.877  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.269 | 43   | 141337   | 18.293  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 102804   | 19.482  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 73936m   | 17.811  | ug/l   |          |
| 77) Bromobenzene              | 12.745 | 156  | 100585   | 19.106  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.800 | 91   | 530318   | 19.585  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 318511   | 19.269  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 360871   | 19.673  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75   | 31589    | 17.429  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.983 | 91   | 348283   | 20.258  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.202 | 119  | 297002   | 18.612  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 367525   | 19.698  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 448908   | 18.889  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 376934   | 19.210  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 206211   | 20.660  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 207429   | 20.285  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.818 | 91   | 371293   | 19.368  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.092 | 117  | 68453    | 19.349  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 184766   | 20.165  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.482 | 75   | 16892    | 18.582  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.122 | 180  | 107409   | 18.421  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 45780    | 18.901  | ug/l   | 96       |
| 95) Naphthalene               | 15.360 | 128  | 250570   | 17.233  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 99104    | 18.721  | ug/l   | 91       |

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ALS Vial : 5 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :  
VW1112SBS01

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 11/14/2025  
Supervised By :Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 05:17:31 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111025S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 11 03:48:21 2025  
Response via : Initial Calibration

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

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

