

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121225\  
 Data File : VW032643.D  
 Acq On : 12 Dec 2025 10:13  
 Operator : SY/MD  
 Sample : VW1212SBS01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1212SBS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/14/2025  
 Supervised By : Mahesh Dadoda 12/15/2025

Quant Time: Dec 13 00:05:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W121025S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 11 01:56:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.959          | 168  | 393232     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.849          | 114  | 683175     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.629         | 117  | 610034     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.556         | 152  | 299289     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.313          | 65   | 255186     | 41.870  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 63 - 155 |      | Recovery = | 83.740% |        |          |
| 35) Dibromofluoromethane     | 7.892          | 113  | 202843     | 42.209  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 70 - 134 |      | Recovery = | 84.420% |        |          |
| 50) Toluene-d8               | 10.324         | 98   | 797346     | 45.477  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 123 |      | Recovery = | 90.960% |        |          |
| 62) 4-Bromofluorobenzene     | 12.617         | 95   | 284882     | 44.256  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 17 - 146 |      | Recovery = | 88.520% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.045          | 85   | 48112      | 19.703  | ug/l   | 98       |
| 3) Chloromethane             | 2.253          | 50   | 78936      | 18.325  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.399          | 62   | 104523     | 20.335  | ug/l   | 98       |
| 5) Bromomethane              | 2.820          | 94   | 67065      | 19.590  | ug/l   | 99       |
| 6) Chloroethane              | 2.960          | 64   | 64146      | 19.341  | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.307          | 101  | 80069      | 17.793  | ug/l   | 94       |
| 8) Diethyl Ether             | 3.716          | 74   | 54458      | 18.073  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.100          | 101  | 88114      | 19.554  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.301          | 142  | 122489     | 19.520  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.222          | 59   | 32658      | 79.972  | ug/l # | 84       |
| 12) 1,1-Dichloroethene       | 4.076          | 96   | 95802      | 20.069  | ug/l   | 96       |
| 13) Acrolein                 | 3.929          | 56   | 68887      | 100.211 | ug/l   | 100      |
| 14) Allyl chloride           | 4.704          | 41   | 161387     | 18.186  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.399          | 53   | 146844     | 87.208  | ug/l   | 99       |
| 16) Acetone                  | 4.167          | 43   | 176268     | 85.563  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.417          | 76   | 265010     | 19.102  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.704          | 43   | 66695      | 16.596  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.460          | 73   | 173358     | 18.291  | ug/l   | 94       |
| 20) Methylene Chloride       | 4.947          | 84   | 116970     | 18.598  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.453          | 96   | 98208      | 18.837  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.331          | 45   | 333209     | 18.544  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.283          | 43   | 1087676    | 89.523  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.240          | 63   | 190122     | 18.501  | ug/l   | 98       |
| 25) 2-Butanone               | 7.191          | 43   | 206202     | 85.185  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.185          | 77   | 107415     | 18.616  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.191          | 96   | 110980     | 18.231  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.526          | 49   | 86264      | 21.131  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.551          | 42   | 124655     | 85.778  | ug/l   | 99       |
| 30) Chloroform               | 7.691          | 83   | 191515     | 18.894  | ug/l   | 97       |
| 31) Cyclohexane              | 7.971          | 56   | 176351     | 18.619  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 7.886          | 97   | 142138     | 19.070  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.093          | 75   | 137557     | 19.557  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.270          | 43   | 89204      | 18.515  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.081          | 117  | 127439     | 19.589  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.343          | 83   | 168223     | 19.018  | ug/l   | 95       |
| 40) Benzene                  | 8.331          | 78   | 408817     | 19.159  | ug/l   | 96       |

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 Quant Title : SW846 8260  
 QLast Update : Thu Dec 11 01:56:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.502  | 41   | 48929    | 19.001  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.410  | 62   | 131627   | 19.375  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.435  | 43   | 150006   | 17.557  | ug/l   | 99       |
| 44) Trichloroethene           | 9.099  | 130  | 92890    | 19.066  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.373  | 63   | 105134   | 19.472  | ug/l   | 97       |
| 46) Dibromomethane            | 9.465  | 93   | 60936    | 19.263  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.648  | 83   | 141804   | 19.271  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.441  | 41   | 75353    | 18.685  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.471  | 88   | 14846    | 349.835 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.209 | 43   | 449249   | 94.307  | ug/l   | 98       |
| 52) Toluene                   | 10.392 | 92   | 253953   | 19.344  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.605 | 75   | 131223   | 18.086  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.075 | 75   | 159626   | 19.079  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 81189    | 19.129  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 108155   | 17.651  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 146009   | 19.152  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 240426   | 145.040 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.965 | 43   | 320921   | 93.017  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.129 | 129  | 90564    | 19.157  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.233 | 107  | 76259    | 18.581  | ug/l   | 95       |
| 64) Tetrachloroethene         | 10.861 | 164  | 74373    | 19.015  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.654 | 112  | 276925   | 19.880  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.727 | 131  | 81990    | 18.848  | ug/l   | 89       |
| 67) Ethyl Benzene             | 11.727 | 91   | 466543   | 19.380  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.836 | 106  | 362601   | 39.247  | ug/l   | 97       |
| 69) o-Xylene                  | 12.166 | 106  | 164870   | 19.349  | ug/l   | 100      |
| 70) Styrene                   | 12.178 | 104  | 296157   | 19.937  | ug/l   | 98       |
| 71) Bromoform                 | 12.349 | 173  | 46528    | 18.421  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.464 | 105  | 425551   | 18.694  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.269 | 43   | 136900   | 17.553  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 101533   | 18.527  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 75572m   | 18.817  | ug/l   |          |
| 77) Bromobenzene              | 12.745 | 156  | 99425    | 19.034  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.800 | 91   | 554567   | 19.072  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 315891   | 18.507  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 362925   | 18.981  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75   | 31691    | 22.271  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.983 | 91   | 344494   | 19.004  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.202 | 119  | 300957   | 18.477  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 374641   | 19.428  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 472764   | 18.957  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 373458   | 18.412  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 201612   | 18.857  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 200467   | 18.829  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.818 | 91   | 376187   | 18.459  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.092 | 117  | 68763    | 18.150  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 178115   | 18.456  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.476 | 75   | 16523    | 16.975  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.129 | 180  | 97767    | 17.056  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 49989    | 18.449  | ug/l   | 98       |
| 95) Naphthalene               | 15.360 | 128  | 220994   | 21.126  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 93446    | 17.247  | ug/l   | 96       |

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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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