

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072425\  
 Data File : VW031918.D  
 Acq On : 24 Jul 2025 10:01  
 Operator : SY/MD  
 Sample : VW0724SBSD01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0724SBSD01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/25/2025  
 Supervised By :Semsettin Yesilyurt 07/25/2025

Quant Time: Jul 25 03:41:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W072225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 23 08:18:46 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.959          | 168  | 208247              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.849          | 114  | 382210              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.629         | 117  | 355042              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.556         | 152  | 164485              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.319          | 65   | 156348              | 49.630  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 63 - 155 |      | Recovery = 99.260%  |         |        |          |
| 35) Dibromofluoromethane     | 7.904          | 113  | 133474              | 51.392  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 70 - 134 |      | Recovery = 102.780% |         |        |          |
| 50) Toluene-d8               | 10.325         | 98   | 495761              | 50.436  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 123 |      | Recovery = 100.880% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.617         | 95   | 196827              | 52.149  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 17 - 146 |      | Recovery = 104.300% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.046          | 85   | 34576               | 22.340  | ug/l   | 99       |
| 3) Chloromethane             | 2.259          | 50   | 41336               | 20.808  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.405          | 62   | 54719               | 21.204  | ug/l   | 98       |
| 5) Bromomethane              | 2.826          | 94   | 39917               | 21.006  | ug/l   | 96       |
| 6) Chloroethane              | 2.972          | 64   | 35566               | 20.882  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.308          | 101  | 55468               | 21.222  | ug/l   | 93       |
| 8) Diethyl Ether             | 3.722          | 74   | 35119               | 20.115  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.100          | 101  | 53232               | 21.174  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.307          | 142  | 76663               | 20.395  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.222          | 59   | 20576               | 111.116 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.082          | 96   | 58683               | 21.134  | ug/l   | 92       |
| 13) Acrolein                 | 3.929          | 56   | 26074               | 95.253  | ug/l   | 95       |
| 14) Allyl chloride           | 4.710          | 41   | 90545               | 20.947  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.411          | 53   | 79582               | 101.954 | ug/l   | 98       |
| 16) Acetone                  | 4.161          | 43   | 79148               | 105.878 | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.423          | 76   | 149817              | 20.803  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.710          | 43   | 41959               | 20.373  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.466          | 73   | 103122              | 21.494  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.954          | 84   | 66114               | 17.669  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.460          | 96   | 62398               | 21.179  | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.344          | 45   | 186671              | 21.581  | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.283          | 43   | 588242              | 104.097 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.252          | 63   | 113172              | 21.015  | ug/l   | 99       |
| 25) 2-Butanone               | 7.197          | 43   | 107555              | 105.157 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.191          | 77   | 67006               | 21.977  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.191          | 96   | 72352               | 20.889  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.532          | 49   | 47101               | 20.889  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.551          | 42   | 67478               | 100.627 | ug/l   | 99       |
| 30) Chloroform               | 7.691          | 83   | 121469              | 21.512  | ug/l   | 98       |
| 31) Cyclohexane              | 7.971          | 56   | 101342              | 20.975  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.892          | 97   | 94399               | 21.970  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.099          | 75   | 86284               | 21.633  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.276          | 43   | 45704               | 20.087  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.081          | 117  | 84139               | 21.981  | ug/l   | 88       |
| 39) Methylcyclohexane        | 9.343          | 83   | 109071              | 21.730  | ug/l   | 94       |
| 40) Benzene                  | 8.337          | 78   | 259891              | 22.012  | ug/l   | 100      |

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 ALS Vial : 6 Sample Multiplier: 1

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Quant Time: Jul 25 03:41:36 2025  
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 Quant Title : SW846 8260  
 QLast Update : Wed Jul 23 08:18:46 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.502  | 41   | 27676    | 20.320  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.416  | 62   | 80750    | 21.370  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.435  | 43   | 85043    | 20.646  | ug/l   | 99       |
| 44) Trichloroethene           | 9.099  | 130  | 62125    | 22.137  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.374  | 63   | 61241    | 21.537  | ug/l   | 98       |
| 46) Dibromomethane            | 9.465  | 93   | 37436    | 21.238  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.654  | 83   | 89070    | 21.073  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.441  | 41   | 40578    | 20.707  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.465  | 88   | 7107     | 404.077 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone      | 10.215 | 43   | 237630   | 105.416 | ug/l   | 99       |
| 52) Toluene                   | 10.392 | 92   | 166992   | 22.002  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.611 | 75   | 84004    | 20.719  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.081 | 75   | 95753    | 20.680  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 51269    | 21.897  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 70713    | 21.385  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 87985    | 21.331  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 174025   | 102.458 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.971 | 43   | 163710   | 104.480 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.129 | 129  | 57982    | 21.240  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.239 | 107  | 47871    | 20.692  | ug/l   | 95       |
| 64) Tetrachloroethene         | 10.867 | 164  | 48596    | 20.760  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.660 | 112  | 176043   | 20.259  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.733 | 131  | 55492    | 20.600  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.733 | 91   | 311454   | 20.400  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.837 | 106  | 242951   | 42.271  | ug/l   | 97       |
| 69) o-Xylene                  | 12.166 | 106  | 112336   | 20.653  | ug/l   | 95       |
| 70) Styrene                   | 12.178 | 104  | 195081   | 21.065  | ug/l   | 99       |
| 71) Bromoform                 | 12.349 | 173  | 30068    | 20.409  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.465 | 105  | 299137   | 20.960  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.269 | 43   | 76439    | 19.812  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 61168    | 20.192  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.769 | 75   | 45599m   | 20.079  | ug/l   |          |
| 77) Bromobenzene              | 12.745 | 156  | 62804    | 20.338  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.800 | 91   | 362089   | 20.657  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 220672   | 21.086  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 244792   | 20.451  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.513 | 75   | 18057    | 18.357  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 12.989 | 91   | 225107   | 20.503  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.202 | 119  | 212612   | 20.853  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 249970   | 20.633  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 320144   | 20.909  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 261343   | 20.651  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 130541   | 20.309  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 134295   | 21.328  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.818 | 91   | 255440   | 20.575  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.086 | 117  | 44157    | 20.178  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 117963   | 20.708  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.476 | 75   | 10372    | 18.951  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.123 | 180  | 68777    | 20.020  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.232 | 225  | 33786    | 20.754  | ug/l   | 94       |
| 95) Naphthalene               | 15.360 | 128  | 170491   | 20.185  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 63102    | 20.272  | ug/l   | 95       |

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ALS Vial : 6 Sample Multiplier: 1

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APPROVED

Reviewed By :Mahesh Dadoda 07/25/2025  
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Quant Time: Jul 25 03:41:36 2025  
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Quant Title : SW846 8260  
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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

