

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080625\  
 Data File : VW032025.D  
 Acq On : 06 Aug 2025 10:40  
 Operator : SY/MD  
 Sample : VW0806SBS01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0806SBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/07/2025  
 Supervised By :Semsettin Yesilyurt 08/07/2025

Quant Time: Aug 07 02:17:18 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        | 7.965          | 168  | 220848              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.849          | 114  | 414602              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.629         | 117  | 358272              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.556         | 152  | 167173              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.319          | 65   | 173191              | 51.840  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 63 - 155 |      | Recovery = 103.680% |         |        |          |
| 35) Dibromofluoromethane     | 7.898          | 113  | 146809              | 52.110  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 70 - 134 |      | Recovery = 104.220% |         |        |          |
| 50) Toluene-d8               | 10.324         | 98   | 549657              | 51.550  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 123 |      | Recovery = 103.100% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.617         | 95   | 213204              | 52.075  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 17 - 146 |      | Recovery = 104.140% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.045          | 85   | 26510               | 16.151  | ug/l   | 98       |
| 3) Chloromethane             | 2.253          | 50   | 39036               | 18.529  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.399          | 62   | 51163               | 18.695  | ug/l   | 98       |
| 5) Bromomethane              | 2.820          | 94   | 38561               | 19.135  | ug/l   | 92       |
| 6) Chloroethane              | 2.966          | 64   | 34666               | 19.193  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.301          | 101  | 41767               | 15.068  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.716          | 74   | 37137               | 20.057  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.088          | 101  | 51014               | 19.134  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.301          | 142  | 77934               | 19.551  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.246          | 59   | 19770               | 100.672 | ug/l # | 85       |
| 12) 1,1-Dichloroethene       | 4.069          | 96   | 57032               | 19.367  | ug/l   | 97       |
| 13) Acrolein                 | 3.935          | 56   | 14300               | 44.346  | ug/l   | 98       |
| 14) Allyl chloride           | 4.697          | 41   | 88818               | 19.375  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.399          | 53   | 85295               | 103.038 | ug/l   | 99       |
| 16) Acetone                  | 4.167          | 43   | 92414               | 116.571 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.417          | 76   | 137481              | 18.001  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.704          | 43   | 45196               | 20.693  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.459          | 73   | 110055              | 21.630  | ug/l   | 96       |
| 20) Methylene Chloride       | 4.947          | 84   | 68545               | 17.158  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.447          | 96   | 61287               | 19.615  | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.337          | 45   | 188387              | 20.537  | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.282          | 43   | 594864              | 99.262  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.240          | 63   | 114583              | 20.063  | ug/l   | 99       |
| 25) 2-Butanone               | 7.197          | 43   | 112676              | 103.878 | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 7.185          | 77   | 62098               | 19.205  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.191          | 96   | 74185               | 20.196  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.526          | 49   | 47119               | 19.705  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.551          | 42   | 71291               | 100.247 | ug/l   | 100      |
| 30) Chloroform               | 7.691          | 83   | 123150              | 20.565  | ug/l   | 95       |
| 31) Cyclohexane              | 7.965          | 56   | 95874               | 18.712  | ug/l # | 91       |
| 32) 1,1,1-Trichloroethane    | 7.886          | 97   | 90023               | 19.756  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.093          | 75   | 83790               | 19.367  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.276          | 43   | 47887               | 19.402  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.081          | 117  | 80175               | 19.309  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.337          | 83   | 99429               | 18.261  | ug/l   | 98       |
| 40) Benzene                  | 8.331          | 78   | 255004              | 19.911  | ug/l   | 99       |

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 ALS Vial : 4 Sample Multiplier: 1

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 ClientSampleId :  
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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   | 29276    | 19.815  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.410  | 62   | 83467    | 20.363  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.435  | 43   | 89011    | 19.921  | ug/l   | 98       |
| 44) Trichloroethene           | 9.099  | 130  | 59445    | 19.527  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.373  | 63   | 62031    | 20.111  | ug/l   | 97       |
| 46) Dibromomethane            | 9.465  | 93   | 39257    | 20.532  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.648  | 83   | 91637    | 19.987  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.440  | 41   | 43018    | 20.237  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.483  | 88   | 10313    | 540.547 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.215 | 43   | 253669   | 103.739 | ug/l   | 99       |
| 52) Toluene                   | 10.392 | 92   | 167328   | 20.324  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.605 | 75   | 85785    | 19.505  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.075 | 75   | 100535   | 20.017  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 54067    | 21.288  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 72415    | 20.188  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 92082    | 20.580  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 183608   | 99.654  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.971 | 43   | 176995   | 104.133 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.129 | 129  | 60278    | 20.356  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.239 | 107  | 51210    | 20.405  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.861 | 164  | 48874    | 20.691  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.660 | 112  | 181157   | 20.660  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.727 | 131  | 56919    | 20.939  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.727 | 91   | 313635   | 20.358  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.836 | 106  | 237063   | 40.874  | ug/l   | 98       |
| 69) o-Xylene                  | 12.166 | 106  | 109671   | 19.981  | ug/l   | 95       |
| 70) Styrene                   | 12.178 | 104  | 197784   | 21.164  | ug/l   | 99       |
| 71) Bromoform                 | 12.348 | 173  | 32146    | 21.623  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.464 | 105  | 285531   | 19.685  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.269 | 43   | 82170    | 20.954  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 65773    | 21.363  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 49637m   | 21.506  | ug/l   |          |
| 77) Bromobenzene              | 12.745 | 156  | 68763    | 21.910  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.800 | 91   | 349940   | 19.643  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 214520   | 20.168  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 241486   | 19.851  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75   | 19421    | 19.426  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.983 | 91   | 226195   | 20.271  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.202 | 119  | 206769   | 19.954  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 248390   | 20.173  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 309053   | 19.860  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 258856   | 20.125  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 133613   | 20.452  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 134644   | 21.039  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.818 | 91   | 251222   | 19.910  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.086 | 117  | 43549    | 19.580  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 123331   | 21.302  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.476 | 75   | 10794    | 19.405  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.122 | 180  | 67680    | 19.383  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 30772    | 18.599  | ug/l   | 94       |
| 95) Naphthalene               | 15.354 | 128  | 180114   | 20.982  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 65236    | 20.621  | ug/l   | 93       |

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Quant Time: Aug 07 02:17:18 2025  
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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

