

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062625\  
 Data File : VD080475.D  
 Acq On : 26 Jun 2025 11:21  
 Operator : RP/MD  
 Sample : VSTDICCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025  
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 05:00:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062625S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 04:51:56 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.876          | 168  | 489889              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.776          | 114  | 891456              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.582         | 117  | 783793              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.517         | 152  | 346145              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.229          | 65   | 259850              | 54.106  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 108.220% |         |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 271375              | 54.364  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 108.720% |         |        |          |
| 50) Toluene-d8               | 10.270         | 98   | 1087482             | 53.926  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 107.860% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.570         | 95   | 349969              | 52.927  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 105.860% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.935          | 85   | 211212              | 48.497  | ug/l   | 100      |
| 3) Chloromethane             | 2.147          | 50   | 309213              | 50.838  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.288          | 62   | 314677              | 51.001  | ug/l   | 100      |
| 5) Bromomethane              | 2.694          | 94   | 161730              | 47.426  | ug/l   | 100      |
| 6) Chloroethane              | 2.841          | 64   | 198818              | 51.336  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.176          | 101  | 386789              | 49.831  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.594          | 74   | 159432              | 52.767  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.970          | 101  | 254591              | 49.582  | ug/l   | 100      |
| 10) Methyl Iodide            | 4.164          | 142  | 330909              | 54.725  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.047          | 59   | 104662              | 267.650 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.941          | 96   | 276317              | 49.838  | ug/l   | 100      |
| 13) Acrolein                 | 3.794          | 56   | 135147              | 253.613 | ug/l   | 100      |
| 14) Allyl chloride           | 4.559          | 41   | 497941              | 51.292  | ug/l   | 100      |
| 15) Acrylonitrile            | 5.247          | 53   | 379345              | 263.882 | ug/l   | 100      |
| 16) Acetone                  | 4.023          | 43   | 284459              | 229.242 | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.276          | 76   | 911988              | 52.088  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.559          | 43   | 197837              | 52.416  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.317          | 73   | 717129              | 52.047  | ug/l   | 100      |
| 20) Methylene Chloride       | 4.806          | 84   | 342805              | 50.060  | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 5.311          | 96   | 310773              | 50.253  | ug/l   | 100      |
| 22) Diisopropyl ether        | 6.217          | 45   | 961046              | 51.271  | ug/l   | 100      |
| 23) Vinyl Acetate            | 6.153          | 43   | 2822112             | 264.222 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.111          | 63   | 555589              | 50.514  | ug/l   | 100      |
| 25) 2-Butanone               | 7.076          | 43   | 451725              | 248.030 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.070          | 77   | 436831              | 50.189  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.076          | 96   | 374310              | 50.631  | ug/l   | 100      |
| 28) Bromochloromethane       | 7.423          | 49   | 223858              | 51.627  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.447          | 42   | 304909              | 265.741 | ug/l   | 100      |
| 30) Chloroform               | 7.600          | 83   | 532234              | 50.552  | ug/l   | 100      |
| 31) Cyclohexane              | 7.876          | 56   | 515573              | 48.377  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 7.794          | 97   | 442738              | 50.296  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 8.005          | 75   | 395602              | 50.743  | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.170          | 43   | 198773              | 52.629  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 7.988          | 117  | 375160              | 50.366  | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.276          | 83   | 539865              | 50.296  | ug/l   | 100      |
| 40) Benzene                  | 8.252          | 78   | 1285551             | 51.377  | ug/l   | 100      |

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 ALS Vial : 6 Sample Multiplier: 1

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Quant Time: Jun 27 05:00:28 2025  
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 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 04:51:56 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 41) Methacrylonitrile         | 7.400  | 41   | 128469   | 53.048   | ug/l  | 100      |
| 42) 1,2-Dichloroethane        | 8.323  | 62   | 310496   | 52.748   | ug/l  | 100      |
| 43) Isopropyl Acetate         | 8.358  | 43   | 390094   | 52.312   | ug/l  | 100      |
| 44) Trichloroethene           | 9.029  | 130  | 308789   | 50.920   | ug/l  | 100      |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 315224   | 51.944   | ug/l  | 100      |
| 46) Dibromomethane            | 9.394  | 93   | 168629   | 52.117   | ug/l  | 100      |
| 47) Bromodichloromethane      | 9.582  | 83   | 412092   | 51.373   | ug/l  | 100      |
| 48) Methyl methacrylate       | 9.382  | 41   | 198750   | 52.686   | ug/l  | 100      |
| 49) 1,4-Dioxane               | 9.382  | 88   | 43205    | 1029.320 | ug/l  | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.158 | 43   | 1005367  | 265.491  | ug/l  | 100      |
| 52) Toluene                   | 10.329 | 92   | 796495   | 50.929   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 417058   | 51.910   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene   | 10.017 | 75   | 501568   | 51.966   | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane     | 10.729 | 97   | 225535   | 51.133   | ug/l  | 100      |
| 56) Ethyl methacrylate        | 10.594 | 69   | 328851   | 52.233   | ug/l  | 100      |
| 57) 1,3-Dichloropropane       | 10.876 | 76   | 402666   | 52.177   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.870  | 63   | 625496   | 260.135  | ug/l  | 100      |
| 59) 2-Hexanone                | 10.917 | 43   | 693105   | 258.610  | ug/l  | 100      |
| 60) Dibromochloromethane      | 11.070 | 129  | 283132   | 52.008   | ug/l  | 100      |
| 61) 1,2-Dibromoethane         | 11.176 | 107  | 221928   | 52.622   | ug/l  | 100      |
| 64) Tetrachloroethene         | 10.805 | 164  | 243471   | 50.049   | ug/l  | 100      |
| 65) Chlorobenzene             | 11.605 | 112  | 851415   | 50.366   | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.676 | 131  | 269447   | 50.717   | ug/l  | 100      |
| 67) Ethyl Benzene             | 11.682 | 91   | 1482114  | 50.127   | ug/l  | 100      |
| 68) m/p-Xylenes               | 11.788 | 106  | 1132682  | 100.603  | ug/l  | 100      |
| 69) o-Xylene                  | 12.117 | 106  | 539944   | 49.697   | ug/l  | 100      |
| 70) Styrene                   | 12.135 | 104  | 925200   | 50.346   | ug/l  | 100      |
| 71) Bromoform                 | 12.293 | 173  | 152888   | 50.528   | ug/l  | 100      |
| 73) Isopropylbenzene          | 12.417 | 105  | 1352049  | 50.246   | ug/l  | 100      |
| 74) N-amyl acetate            | 12.229 | 43   | 369480   | 52.441   | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.670 | 83   | 258255   | 51.543   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane    | 12.723 | 75   | 150532m  | 50.762   | ug/l  | 100      |
| 77) Bromobenzene              | 12.699 | 156  | 309545   | 51.440   | ug/l  | 100      |
| 78) n-propylbenzene           | 12.758 | 91   | 1645317  | 50.795   | ug/l  | 100      |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 946819   | 50.824   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.899 | 105  | 1100063  | 50.414   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.464 | 75   | 105415   | 53.237   | ug/l  | 100      |
| 82) 4-Chlorotoluene           | 12.940 | 91   | 964228   | 50.391   | ug/l  | 100      |
| 83) tert-Butylbenzene         | 13.164 | 119  | 961539   | 50.381   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.205 | 105  | 1093991  | 50.218   | ug/l  | 100      |
| 85) sec-Butylbenzene          | 13.340 | 105  | 1415647  | 50.219   | ug/l  | 100      |
| 86) p-Isopropyltoluene        | 13.458 | 119  | 1163983  | 49.896   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene       | 13.452 | 146  | 590753   | 50.760   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene       | 13.535 | 146  | 589411   | 50.738   | ug/l  | 100      |
| 89) n-Butylbenzene            | 13.782 | 91   | 1120356  | 50.040   | ug/l  | 100      |
| 90) Hexachloroethane          | 14.052 | 117  | 225412   | 50.012   | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene       | 13.829 | 146  | 524638   | 51.213   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.446 | 75   | 37677    | 49.858   | ug/l  | 100      |
| 93) 1,2,4-Trichlorobenzene    | 15.093 | 180  | 322200   | 50.197   | ug/l  | 100      |
| 94) Hexachlorobutadiene       | 15.199 | 225  | 144027   | 48.607   | ug/l  | 100      |
| 95) Naphthalene               | 15.329 | 128  | 735627   | 51.578   | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.517 | 180  | 281338   | 50.976   | ug/l  | 100      |

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Manual Integrations  
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Reviewed By :Mahesh Dadoda 06/27/2025  
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Quant Time: Jun 27 05:00:28 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

