

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062725\  
 Data File : VY022870.D  
 Acq On : 27 Jun 2025 18:49  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025  
 Supervised By :Semsettin Yesilyurt 06/30/2025

Quant Time: Jun 27 23:22:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 24 08:29:52 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 381456              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 662786              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 580603              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.347         | 152  | 280375              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 216480              | 50.848  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 101.700% |         |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 204583              | 50.756  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 101.520% |         |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 821061              | 51.334  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 102.660% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.402         | 95   | 256147              | 49.817  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 99.640%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 143317              | 43.937  | ug/l   | 98       |
| 3) Chloromethane             | 2.068          | 50   | 294055              | 47.211  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.202          | 62   | 378421              | 48.630  | ug/l   | 99       |
| 5) Bromomethane              | 2.592          | 94   | 281980              | 46.094  | ug/l   | 96       |
| 6) Chloroethane              | 2.733          | 64   | 263016              | 50.283  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 385264              | 44.713  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.452          | 74   | 100301              | 47.131  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 183019              | 46.479  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.001          | 142  | 228099              | 53.205  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 4.866          | 59   | 56469               | 199.474 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 186949              | 48.419  | ug/l   | 98       |
| 13) Acrolein                 | 3.653          | 56   | 61714               | 160.768 | ug/l   | 98       |
| 14) Allyl chloride           | 4.385          | 41   | 298105              | 50.196  | ug/l   | 94       |
| 15) Acrylonitrile            | 5.055          | 53   | 211309              | 237.984 | ug/l   | 99       |
| 16) Acetone                  | 3.867          | 43   | 155087              | 192.729 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.104          | 76   | 611430              | 49.019  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.385          | 43   | 159253              | 59.760  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 495124              | 47.095  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.616          | 84   | 227858              | 44.838  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 221232              | 50.134  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.019          | 45   | 673566              | 51.071  | ug/l   | 98       |
| 23) Vinyl Acetate            | 5.958          | 43   | 1620732             | 222.504 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 414442              | 52.023  | ug/l   | 100      |
| 25) 2-Butanone               | 6.897          | 43   | 250637              | 214.007 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 302922              | 45.362  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 259084              | 50.527  | ug/l   | 100      |
| 28) Bromochloromethane       | 7.244          | 49   | 172161              | 51.404  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 169465              | 229.154 | ug/l   | 99       |
| 30) Chloroform               | 7.421          | 83   | 415926              | 50.691  | ug/l   | 96       |
| 31) Cyclohexane              | 7.701          | 56   | 338359              | 46.270  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 357291              | 50.390  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 289047              | 47.310  | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.982          | 43   | 116715              | 44.270  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 303964              | 47.152  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.110          | 83   | 364126              | 46.054  | ug/l   | 97       |
| 40) Benzene                  | 8.079          | 78   | 943149              | 50.209  | ug/l   | 99       |

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 ALS Vial : 21 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Tue Jun 24 08:29:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 69067    | 42.554  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 246985   | 47.982  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 242901   | 44.329  | ug/l   | 98       |
| 44) Trichloroethene           | 8.866  | 130  | 228137   | 48.373  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 219247   | 49.870  | ug/l   | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 116008   | 46.483  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.420  | 83   | 313272   | 48.678  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 119577   | 45.395  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 24955    | 846.348 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 628145   | 225.585 | ug/l   | 96       |
| 52) Toluene                   | 10.170 | 92   | 588606   | 49.669  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 267787   | 46.247  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 319373   | 47.570  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 152914   | 47.318  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 194219   | 44.670  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 269322   | 47.767  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 521669   | 229.646 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 404578   | 213.709 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 194518   | 46.600  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 141969   | 46.946  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.646 | 164  | 269634   | 49.159  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.438 | 112  | 619261   | 48.540  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 207370   | 47.990  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 1114724  | 49.731  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 855101   | 98.686  | ug/l   | 99       |
| 69) o-Xylene                  | 11.957 | 106  | 402321   | 49.277  | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 677950   | 49.572  | ug/l   | 99       |
| 71) Bromoform                 | 12.127 | 173  | 106217   | 44.146  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 1033584  | 49.846  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 193144   | 41.497  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 147983   | 44.281  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 116918m  | 40.846  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 226142   | 48.115  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.591 | 91   | 1244260  | 49.700  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 706358   | 49.938  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 832452   | 49.731  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 47710    | 42.110  | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 12.774 | 91   | 726133   | 48.874  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.993 | 119  | 742464   | 50.294  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 844291   | 50.378  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 1097999  | 49.434  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 899977   | 48.690  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 455787   | 48.286  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 449463   | 47.935  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 834032   | 47.970  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 180506   | 49.031  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.658 | 146  | 390618   | 46.958  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 23491    | 41.450  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 197398   | 42.029  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 113732   | 42.823  | ug/l   | 99       |
| 95) Naphthalene               | 15.139 | 128  | 355075   | 41.807  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 171568   | 42.274  | ug/l   | 99       |

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Reviewed By :Mahesh Dadoda 06/30/2025  
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Quant Time: Jun 27 23:22:14 2025  
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Quant Title : SW846 8260  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

