

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091125\  
 Data File : VY023336.D  
 Acq On : 11 Sep 2025 09:07  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 09/12/2025  
 Supervised By :Semsettin Yesilyurt 09/12/2025

Quant Time: Sep 12 01:21:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090825S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 10 01:44:33 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 507428     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 734316     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 648076     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 338891     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 218604     | 49.027   | ug/l   | 0.01     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 98.060%  |        |          |
| 35) Dibromofluoromethane     | 7.640          | 113  | 236264     | 52.636   | ug/l   | 0.01     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 105.280% |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 910635     | 53.727   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 107.460% |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 288778     | 54.140   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 108.280% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.873          | 85   | 183596     | 45.099   | ug/l   | 98       |
| 3) Chloromethane             | 2.074          | 50   | 290025     | 49.787   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.208          | 62   | 359113     | 48.934   | ug/l   | 100      |
| 5) Bromomethane              | 2.605          | 94   | 273012     | 45.561   | ug/l   | 100      |
| 6) Chloroethane              | 2.745          | 64   | 245113     | 49.355   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.062          | 101  | 449829     | 48.564   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.458          | 74   | 111139     | 45.347   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 242244     | 48.631   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.013          | 142  | 286651     | 49.330   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 4.866          | 59   | 54610      | 211.964  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 230755     | 48.155   | ug/l   | 90       |
| 13) Acrolein                 | 3.653          | 56   | 64935      | 149.084  | ug/l   | 99       |
| 14) Allyl chloride           | 4.391          | 41   | 288046     | 47.585   | ug/l   | 97       |
| 15) Acrylonitrile            | 5.061          | 53   | 219827     | 227.844  | ug/l   | 99       |
| 16) Acetone                  | 3.873          | 43   | 268739     | 264.599  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.110          | 76   | 727761     | 47.970   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.391          | 43   | 108836     | 43.685   | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.122          | 73   | 528604     | 46.915   | ug/l   | 98       |
| 20) Methylene Chloride       | 4.622          | 84   | 257120     | 47.318   | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.122          | 96   | 265953     | 49.673   | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.025          | 45   | 657010     | 48.735   | ug/l   | 97       |
| 23) Vinyl Acetate            | 5.964          | 43   | 1796770    | 241.085  | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 5.921          | 63   | 427208     | 48.450   | ug/l   | 98       |
| 25) 2-Butanone               | 6.896          | 43   | 306589     | 245.264  | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 389471     | 50.024   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 296113     | 48.838   | ug/l   | 95       |
| 28) Bromochloromethane       | 7.250          | 49   | 168900     | 48.680   | ug/l   | 90       |
| 29) Tetrahydrofuran          | 7.268          | 42   | 168243     | 226.911  | ug/l   | 96       |
| 30) Chloroform               | 7.427          | 83   | 461890     | 48.752   | ug/l   | 97       |
| 31) Cyclohexane              | 7.707          | 56   | 368353     | 47.208   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 414547     | 48.974   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.841          | 75   | 330481     | 51.694   | ug/l   | 98       |
| 37) Ethyl Acetate            | 6.988          | 43   | 118585     | 46.629   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 384065     | 52.210   | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.109          | 83   | 431729     | 52.787   | ug/l   | 97       |
| 40) Benzene                  | 8.085          | 78   | 1024255    | 51.544   | ug/l   | 100      |

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 VSTDCCC050

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 Supervised By :Semsettin Yesilyurt 09/12/2025

Quant Time: Sep 12 01:21:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090825S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 10 01:44:33 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 63978    | 48.580  | ug/l   | 88       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 254088   | 50.222  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 235466   | 47.604  | ug/l   | 98       |
| 44) Trichloroethene           | 8.866  | 130  | 279659   | 50.527  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 229499   | 51.138  | ug/l   | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 135754   | 49.671  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.426  | 83   | 353561   | 51.422  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 111314   | 48.281  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 26251    | 946.211 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 621559   | 245.621 | ug/l   | 98       |
| 52) Toluene                   | 10.170 | 92   | 665850   | 52.801  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 302659   | 51.128  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 363190   | 51.345  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 183917   | 50.589  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 211067   | 50.111  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 295849   | 50.126  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 480471   | 261.728 | ug/l   | 96       |
| 59) 2-Hexanone                | 10.762 | 43   | 451923   | 258.333 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.914 | 129  | 250939   | 50.872  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 170069   | 49.922  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 310123   | 48.013  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.444 | 112  | 727072   | 51.211  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 255802   | 51.331  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.518 | 91   | 1242274  | 53.558  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.627 | 106  | 1013145  | 109.084 | ug/l   | 96       |
| 69) o-Xylene                  | 11.957 | 106  | 463727   | 53.935  | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 776398   | 54.486  | ug/l   | 98       |
| 71) Bromoform                 | 12.133 | 173  | 147678   | 49.762  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 1208497  | 52.940  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 206615   | 47.884  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 191287   | 49.929  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 170552m  | 49.696  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 295361   | 50.644  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.597 | 91   | 1436427  | 53.388  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 808060   | 52.144  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 998306   | 53.770  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 61368    | 48.765  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 840944   | 51.862  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 894959   | 53.223  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 991359   | 53.974  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 1312523  | 53.647  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 1118886  | 54.140  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 591233   | 51.231  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 566690   | 49.576  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.615 | 91   | 979983   | 53.468  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 225507   | 50.331  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 503467   | 50.036  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 27783    | 46.217  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 291060   | 49.590  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 182651   | 50.331  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 452332   | 47.948  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 247223   | 48.500  | ug/l   | 100      |

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ALS Vial : 2 Sample Multiplier: 1

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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

