

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112625\  
 Data File : VY023819.D  
 Acq On : 26 Nov 2025 12:09  
 Operator : SY/MD  
 Sample : VY1126SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1126SBS01

Quant Time: Nov 27 01:19:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112625S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 27 01:14:36 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025  
 Supervised By :Mahesh Dadoda 12/02/2025

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 572632              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 914870              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 774262              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 389759              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 285092              | 51.123  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 102.240% |         |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 273422              | 50.451  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 100.900% |         |        |          |
| 50) Toluene-d8               | 10.103         | 98   | 1107300             | 51.439  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 102.880% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.401         | 95   | 348328              | 49.178  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 98.360%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 93624               | 21.695  | ug/l   | 95       |
| 3) Chloromethane             | 2.074          | 50   | 139670              | 21.155  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.208          | 62   | 153910              | 21.550  | ug/l   | 97       |
| 5) Bromomethane              | 2.592          | 94   | 105520              | 20.944  | ug/l   | 99       |
| 6) Chloroethane              | 2.732          | 64   | 97604               | 20.970  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.062          | 101  | 201879              | 20.908  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.452          | 74   | 62348               | 20.501  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 118335              | 20.998  | ug/l   | 100      |
| 10) Methyl Iodide            | 4.007          | 142  | 120217              | 19.467  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 4.866          | 59   | 43006               | 93.899  | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 117811              | 21.250  | ug/l   | 100      |
| 13) Acrolein                 | 3.653          | 56   | 63256               | 96.075  | ug/l   | 99       |
| 14) Allyl chloride           | 4.385          | 41   | 185478              | 21.118  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.067          | 53   | 127399              | 97.060  | ug/l   | 97       |
| 16) Acetone                  | 3.872          | 43   | 168961              | 105.161 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.110          | 76   | 380495              | 21.266  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.391          | 43   | 57998               | 18.692  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 285974              | 20.184  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.616          | 84   | 139968              | 20.606  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 127499              | 20.770  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.018          | 45   | 406727              | 21.416  | ug/l   | 98       |
| 23) Vinyl Acetate            | 5.964          | 43   | 1096394             | 103.816 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 235726              | 21.099  | ug/l   | 96       |
| 25) 2-Butanone               | 6.896          | 43   | 204228              | 104.156 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 206989              | 20.902  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 147045              | 20.628  | ug/l   | 100      |
| 28) Bromochloromethane       | 7.250          | 49   | 89855               | 19.335  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 104800              | 95.828  | ug/l   | 99       |
| 30) Chloroform               | 7.421          | 83   | 234278              | 20.854  | ug/l   | 97       |
| 31) Cyclohexane              | 7.701          | 56   | 223185              | 20.817  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 207227              | 20.781  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 171268              | 20.611  | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.982          | 43   | 76932               | 19.683  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 188257              | 20.640  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.109          | 83   | 224708              | 20.476  | ug/l   | 99       |
| 40) Benzene                  | 8.079          | 78   | 525522              | 20.551  | ug/l   | 99       |

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 Quant Title : SW846 8260  
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Manual Integrations  
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Reviewed By : Semsettin Yesilyurt 12/01/2025  
 Supervised By : Mahesh Dadoda 12/02/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.232  | 41   | 39863m   | 20.429  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 136561   | 20.715  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.195  | 43   | 143438   | 19.638  | ug/l # | 89       |
| 44) Trichloroethene           | 8.865  | 130  | 135856   | 20.706  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 126788   | 21.029  | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 66315    | 20.270  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.420  | 83   | 173949   | 20.345  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.219  | 41   | 66383    | 19.303  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 14679    | 400.355 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 384829   | 100.082 | ug/l   | 98       |
| 52) Toluene                   | 10.170 | 92   | 330915   | 20.875  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 154884   | 19.776  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 191441   | 20.420  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 89727    | 20.474  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 111053   | 19.299  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 153801   | 20.118  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 256628   | 92.835  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.761 | 43   | 290423   | 102.139 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 118155   | 20.092  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 81159    | 19.951  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.646 | 164  | 160196   | 21.810  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.438 | 112  | 356574   | 20.980  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 120047   | 20.792  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.517 | 91   | 615205   | 21.192  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 476325   | 42.581  | ug/l   | 100      |
| 69) o-Xylene                  | 11.950 | 106  | 220591   | 21.034  | ug/l   | 98       |
| 70) Styrene                   | 11.969 | 104  | 365397   | 21.151  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 67966    | 20.181  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 576849   | 20.853  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 121958   | 19.734  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 90390    | 19.847  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 66417m   | 19.595  | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 136390   | 20.963  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.590 | 91   | 707987   | 21.258  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 404607   | 21.109  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 476818   | 21.115  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 30972    | 19.315  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 415163   | 21.090  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.993 | 119  | 426312   | 21.015  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 472092   | 20.919  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 634203   | 21.178  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 524396   | 20.951  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 270254   | 20.725  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 267133   | 20.523  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.615 | 91   | 478821   | 20.863  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 108147   | 20.565  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 236485   | 20.739  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 14127    | 18.532  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 138429   | 20.361  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 89659    | 21.176  | ug/l   | 96       |
| 95) Naphthalene               | 15.139 | 128  | 220797   | 19.257  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 115915   | 20.018  | ug/l   | 99       |

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APPROVED

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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

