

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121625\  
 Data File : VY023992.D  
 Acq On : 16 Dec 2025 16:24  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY121625

Quant Time: Dec 17 04:14:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121625S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 17 04:12:33 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/17/2025  
 Supervised By : Mahesh Dadoda 12/18/2025

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 504879     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.621          | 114  | 706310     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.420         | 117  | 624799     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 326501     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 179021     | 46.915  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 93.840% |        |          |
| 35) Dibromofluoromethane     | 7.640          | 113  | 199370     | 47.167  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 94.340% |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 716363     | 46.968  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 93.940% |        |          |
| 62) 4-Bromofluorobenzene     | 12.407         | 95   | 242427     | 48.495  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 96.980% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.873          | 85   | 145410     | 44.889  | ug/l   | 95       |
| 3) Chloromethane             | 2.074          | 50   | 194779     | 51.372  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.214          | 62   | 242682     | 50.663  | ug/l   | 98       |
| 5) Bromomethane              | 2.604          | 94   | 197045     | 46.351  | ug/l   | 99       |
| 6) Chloroethane              | 2.744          | 64   | 169282     | 50.170  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.067          | 101  | 368331     | 48.171  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.464          | 74   | 105421     | 51.594  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.823          | 101  | 216142     | 47.166  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.012          | 142  | 268058     | 40.360  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 4.872          | 59   | 65254      | 292.134 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 3.799          | 96   | 206094     | 49.623  | ug/l   | 98       |
| 13) Acrolein                 | 3.665          | 56   | 94198      | 251.507 | ug/l   | 97       |
| 14) Allyl chloride           | 4.390          | 41   | 253179     | 50.328  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.067          | 53   | 219599     | 276.665 | ug/l   | 100      |
| 16) Acetone                  | 3.878          | 43   | 253712     | 220.696 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.116          | 76   | 552894     | 53.198  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.390          | 43   | 99328      | 57.632  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.128          | 73   | 528308     | 53.541  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.622          | 84   | 221440     | 42.228  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.128          | 96   | 226505     | 50.185  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.024          | 45   | 595983     | 51.299  | ug/l   | 97       |
| 23) Vinyl Acetate            | 5.969          | 43   | 1711799    | 270.677 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.927          | 63   | 372225     | 49.239  | ug/l   | 98       |
| 25) 2-Butanone               | 6.902          | 43   | 298063     | 254.491 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 6.896          | 77   | 334074     | 47.356  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 270882     | 50.667  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.256          | 49   | 152318     | 50.487  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.268          | 42   | 170992     | 288.363 | ug/l   | 97       |
| 30) Chloroform               | 7.426          | 83   | 410623     | 48.962  | ug/l   | 99       |
| 31) Cyclohexane              | 7.707          | 56   | 323261     | 48.400  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.628          | 97   | 379692     | 48.807  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.841          | 75   | 285154     | 49.220  | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.994          | 43   | 124630     | 56.828  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.829          | 117  | 348515     | 48.024  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.115          | 83   | 386724     | 50.064  | ug/l   | 97       |
| 40) Benzene                  | 8.085          | 78   | 889545     | 50.077  | ug/l   | 100      |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY121625

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/17/2025  
 Supervised By : Mahesh Dadoda 12/18/2025

Quant Time: Dec 17 04:14:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121625S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 17 04:12:33 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.231  | 41   | 66642    | 52.637   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.164  | 62   | 232046   | 50.700   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 238916   | 56.318   | ug/l # | 86       |
| 44) Trichloroethene           | 8.871  | 130  | 260991   | 49.857   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 197424   | 49.493   | ug/l   | 100      |
| 46) Dibromomethane            | 9.237  | 93   | 125746   | 52.569   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.426  | 83   | 315672   | 50.864   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.225  | 41   | 112631   | 52.727   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.237  | 88   | 29467    | 1131.009 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 641452   | 288.859  | ug/l   | 99       |
| 52) Toluene                   | 10.176 | 92   | 605362   | 48.955   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.395 | 75   | 280738   | 53.223   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 330888   | 52.360   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.578 | 97   | 170844   | 52.000   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.444 | 69   | 213593   | 44.121   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 274763   | 52.162   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 471773   | 299.132  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.761 | 43   | 464221   | 278.176  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.914 | 129  | 238729   | 51.667   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.017 | 107  | 162974   | 53.572   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.651 | 164  | 305771   | 47.698   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.444 | 112  | 671944   | 48.869   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 238076   | 49.058   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.523 | 91   | 1117892  | 49.975   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.633 | 106  | 900613   | 100.241  | ug/l   | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 425543   | 50.923   | ug/l   | 99       |
| 70) Styrene                   | 11.974 | 104  | 694948   | 51.812   | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 150550   | 52.000   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 1107097  | 49.226   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 208477   | 48.077   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 177939   | 52.221   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 146369m  | 53.091   | ug/l   |          |
| 77) Bromobenzene              | 12.535 | 156  | 280268   | 49.578   | ug/l   | 100      |
| 78) n-propylbenzene           | 12.596 | 91   | 1283550  | 49.798   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 726529   | 49.239   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.736 | 105  | 891552   | 50.415   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 58747    | 52.008   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 753520   | 49.739   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 829676   | 49.980   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.041 | 105  | 882907   | 50.496   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.175 | 105  | 1189378  | 49.635   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 1011901  | 50.265   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.291 | 146  | 533594   | 49.057   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.370 | 146  | 522127   | 48.911   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.620 | 91   | 882571   | 50.747   | ug/l   | 100      |
| 90) Hexachloroethane          | 13.883 | 117  | 202968   | 48.292   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.663 | 146  | 468158   | 49.900   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 28878    | 58.153   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 285342   | 53.465   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 185932   | 49.762   | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 480835   | 52.215   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.327 | 180  | 247558   | 55.273   | ug/l   | 100      |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY121625

Manual Integrations  
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Quant Time: Dec 17 04:14:44 2025  
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Quant Title : SW846 8260  
QLast Update : Wed Dec 17 04:12:33 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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