

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101525\  
 Data File : VY023473.D  
 Acq On : 15 Oct 2025 12:14  
 Operator : SY/MD  
 Sample : VY1015SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1015SBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/17/2025  
 Supervised By : Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 02:43:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 493817              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 723585              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.420         | 117  | 647337              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.347         | 152  | 341203              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 212733              | 51.517  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 103.040% |         |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 235604              | 52.991  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 105.980% |         |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 872722              | 52.708  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 105.420% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 277304              | 50.728  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 101.460% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 79349               | 22.324  | ug/l   | 99       |
| 3) Chloromethane             | 2.074          | 50   | 103023              | 21.277  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.208          | 62   | 136149              | 21.588  | ug/l   | 98       |
| 5) Bromomethane              | 2.592          | 94   | 117960              | 22.288  | ug/l   | 98       |
| 6) Chloroethane              | 2.739          | 64   | 94350               | 21.947  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 189812              | 21.676  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.452          | 74   | 45376               | 19.830  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 101263              | 22.285  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.013          | 142  | 103683              | 20.496  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.860          | 59   | 25198               | 82.024  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 92611               | 21.024  | ug/l   | 97       |
| 13) Acrolein                 | 3.653          | 56   | 29722               | 68.471  | ug/l   | 97       |
| 14) Allyl chloride           | 4.391          | 41   | 108072              | 20.131  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.061          | 53   | 87408               | 99.817  | ug/l   | 99       |
| 16) Acetone                  | 3.873          | 43   | 128719              | 130.935 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.110          | 76   | 271997              | 21.574  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.385          | 43   | 48015               | 18.619  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 210443              | 19.878  | ug/l   | 95       |
| 20) Methylene Chloride       | 4.623          | 84   | 107174              | 20.161  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.122          | 96   | 104750              | 21.599  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.025          | 45   | 248184              | 20.900  | ug/l   | 94       |
| 23) Vinyl Acetate            | 5.964          | 43   | 645734              | 100.464 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 5.921          | 63   | 170457              | 21.670  | ug/l   | 98       |
| 25) 2-Butanone               | 6.897          | 43   | 134743              | 112.269 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 155915              | 21.602  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 121313              | 21.655  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.244          | 49   | 63693               | 21.690  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.268          | 42   | 62309               | 91.552  | ug/l   | 97       |
| 30) Chloroform               | 7.421          | 83   | 192489              | 22.273  | ug/l   | 98       |
| 31) Cyclohexane              | 7.707          | 56   | 134993              | 19.652  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 172104              | 21.913  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 7.841          | 75   | 127786              | 21.710  | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.994          | 43   | 46519               | 19.949  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 158881              | 22.261  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.110          | 83   | 154278              | 20.130  | ug/l   | 98       |
| 40) Benzene                  | 8.085          | 78   | 410611              | 22.027  | ug/l   | 100      |

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 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :  
 VY1015SBSD01

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 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 27174m   | 21.546  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.159  | 62   | 103600   | 21.550  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 91042    | 19.579  | ug/l   | 99       |
| 44) Trichloroethene           | 8.866  | 130  | 119721   | 21.943  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 91502    | 22.224  | ug/l   | 98       |
| 46) Dibromomethane            | 9.238  | 93   | 57430    | 22.059  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.427  | 83   | 146626   | 22.361  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.225  | 41   | 39750    | 18.196  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 11533    | 382.066 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 239507   | 99.693  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 265704   | 21.953  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 117141   | 20.546  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 145098   | 21.563  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 75895    | 21.678  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 78368    | 19.405  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 119549   | 21.549  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 178735   | 98.794  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 189566   | 110.412 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.914 | 129  | 108609   | 22.126  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 72285    | 21.649  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.646 | 164  | 146704   | 21.948  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.445 | 112  | 298498   | 21.201  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 109081   | 21.741  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 476918   | 20.927  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 392384   | 42.926  | ug/l   | 99       |
| 69) o-Xylene                  | 11.957 | 106  | 176534   | 20.589  | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 300819   | 21.335  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 67545    | 21.704  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.255 | 105  | 462680   | 20.577  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 74899    | 18.545  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 76337    | 20.757  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 57853m   | 19.218  | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 122618   | 20.512  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.597 | 91   | 548468   | 21.078  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 319050   | 20.938  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 384244   | 21.147  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 23919    | 19.484  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 336013   | 21.412  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 341698   | 20.368  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 383580   | 21.153  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 507125   | 21.072  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 431348   | 21.051  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 245173   | 21.062  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 242115   | 21.059  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 362748   | 20.318  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 94345    | 21.408  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.658 | 146  | 217019   | 21.264  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 11806    | 19.565  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 121229   | 19.054  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 83124    | 20.959  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 174412   | 17.215  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 104234   | 18.914  | ug/l   | 100      |

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ALS Vial : 5 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

