

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090925\  
 Data File : VY023314.D  
 Acq On : 09 Sep 2025 09:49  
 Operator : SY/MD  
 Sample : VY0909SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0909SBS01

Quant Time: Sep 10 01:50:24 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  | 526182   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 804473   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 696952   | 50.000 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 357890   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 226299   | 48.944   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 97.880%  |
| 35) Dibromofluoromethane    | 7.640  | 113   | 243863   | 49.591   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.180%  |
| 50) Toluene-d8              | 10.109 | 98    | 937603   | 50.494   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.980% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 295177   | 50.514   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 101.020% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 89247  | 21.142  | ug/l   | 100 |
| 3) Chloromethane             | 2.074 | 50  | 127329 | 21.079  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.208 | 62  | 155437 | 20.426  | ug/l   | 98  |
| 5) Bromomethane              | 2.599 | 94  | 131024 | 21.086  | ug/l   | 94  |
| 6) Chloroethane              | 2.739 | 64  | 105400 | 20.467  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 195537 | 20.358  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.458 | 74  | 52685  | 20.730  | ug/l   | 91  |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 106821 | 20.680  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.007 | 142 | 107070 | 17.769  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.866 | 59  | 27601  | 103.313 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 101575 | 20.442  | ug/l   | 90  |
| 13) Acrolein                 | 3.653 | 56  | 43995  | 97.408  | ug/l   | 97  |
| 14) Allyl chloride           | 4.385 | 41  | 127715 | 20.346  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.068 | 53  | 99541  | 99.494  | ug/l   | 98  |
| 16) Acetone                  | 3.873 | 43  | 111787 | 106.142 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.110 | 76  | 320211 | 20.354  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.385 | 43  | 50238  | 19.446  | ug/l   | 93  |
| 19) Methyl tert-butyl Ether  | 5.122 | 73  | 237514 | 20.329  | ug/l   | 97  |
| 20) Methylene Chloride       | 4.623 | 84  | 116191 | 20.621  | ug/l   | 91  |
| 21) trans-1,2-Dichloroethene | 5.116 | 96  | 111916 | 20.158  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.025 | 45  | 288439 | 20.633  | ug/l   | 96  |
| 23) Vinyl Acetate            | 5.964 | 43  | 784996 | 101.574 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 5.921 | 63  | 187648 | 20.523  | ug/l   | 98  |
| 25) 2-Butanone               | 6.896 | 43  | 134579 | 103.823 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 165707 | 20.525  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 6.896 | 96  | 130037 | 20.683  | ug/l   | 93  |
| 28) Bromochloromethane       | 7.250 | 49  | 72257  | 20.084  | ug/l   | 86  |
| 29) Tetrahydrofuran          | 7.268 | 42  | 76779  | 99.862  | ug/l   | 95  |
| 30) Chloroform               | 7.421 | 83  | 200334 | 20.392  | ug/l   | 98  |
| 31) Cyclohexane              | 7.701 | 56  | 165175 | 20.414  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 179378 | 20.436  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.841 | 75  | 141985 | 20.273  | ug/l   | 98  |
| 37) Ethyl Acetate            | 6.988 | 43  | 56061  | 20.122  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 162044 | 20.107  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.116 | 83  | 184629 | 20.606  | ug/l   | 95  |
| 40) Benzene                  | 8.085 | 78  | 444055 | 20.398  | ug/l   | 99  |

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 ClientSampleId :  
 VY0909SBS01

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 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         | 7.226  | 41   | 27152    | 18.819  | ug/l # | 84       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 109802   | 19.810  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 106527   | 19.658  | ug/l   | 98       |
| 44) Trichloroethene           | 8.872  | 130  | 124422   | 20.519  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 98256    | 19.985  | ug/l   | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 59015    | 19.710  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.427  | 83   | 151545   | 20.118  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.225  | 41   | 48789    | 19.316  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 11998    | 394.751 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 274874   | 99.149  | ug/l   | 98       |
| 52) Toluene                   | 10.170 | 92   | 284968   | 20.627  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 131979   | 20.351  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 156796   | 20.233  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 79865    | 20.052  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 90892    | 19.697  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 129736   | 20.064  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 188184   | 93.570  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.762 | 43   | 192805   | 100.602 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 107331   | 19.861  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 75816    | 20.314  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.646 | 164  | 148298   | 21.349  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.444 | 112  | 313399   | 20.526  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 107736   | 20.103  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.518 | 91   | 511836   | 20.519  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.633 | 106  | 411334   | 41.182  | ug/l   | 97       |
| 69) o-Xylene                  | 11.957 | 106  | 189448   | 20.489  | ug/l   | 97       |
| 70) Styrene                   | 11.969 | 104  | 312548   | 20.396  | ug/l   | 98       |
| 71) Bromoform                 | 12.133 | 173  | 64196    | 20.115  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.255 | 105  | 497145   | 20.622  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.072 | 43   | 89423    | 19.624  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 78248    | 19.340  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 63688m   | 17.572  | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 124940   | 20.286  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.597 | 91   | 590264   | 20.774  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 332984   | 20.347  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 407827   | 20.800  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 26395    | 19.861  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 347778   | 20.309  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 367070   | 20.671  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 404367   | 20.847  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 542873   | 21.011  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 451703   | 20.696  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 245430   | 20.138  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 244655   | 20.267  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 396423   | 20.481  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 94246    | 19.918  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 211437   | 19.898  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 12105    | 19.068  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 125140   | 20.189  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 78784    | 20.557  | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 192984   | 19.371  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 108001   | 20.063  | ug/l   | 100      |

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Sample : VY0909SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

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

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

