

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY043025\  
 Data File : VY022073.D  
 Acq On : 30 Apr 2025 10:52  
 Operator : SY/MD  
 Sample : VY0430SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0430SBS01

Quant Time: May 01 01:32:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 289313   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 439988   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 406945   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 218185   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 130907   | 48.986   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 97.980%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 147653   | 50.796   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.600% |
| 50) Toluene-d8              | 10.103 | 98    | 562631   | 51.341   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 102.680% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 187095   | 50.715   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 101.440% |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.861 | 85  | 49931  | 20.254 | ug/l   | 99  |
| 3) Chloromethane             | 2.068 | 50  | 68325  | 19.465 | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.202 | 62  | 84965  | 19.697 | ug/l   | 100 |
| 5) Bromomethane              | 2.586 | 94  | 72512  | 19.512 | ug/l   | 94  |
| 6) Chloroethane              | 2.727 | 64  | 57263  | 19.492 | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.050 | 101 | 116170 | 20.423 | ug/l   | 97  |
| 8) Diethyl Ether             | 3.452 | 74  | 27804  | 18.780 | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 62953  | 20.402 | ug/l   | 100 |
| 10) Methyl Iodide            | 3.995 | 142 | 67087  | 18.779 | ug/l   | 100 |
| 11) Tert butyl alcohol       | 4.860 | 59  | 14050  | 95.768 | ug/l # | 70  |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 58062  | 20.188 | ug/l   | 95  |
| 13) Acrolein                 | 3.653 | 56  | 22474  | 85.350 | ug/l   | 98  |
| 14) Allyl chloride           | 4.379 | 41  | 63213  | 18.876 | ug/l   | 98  |
| 15) Acrylonitrile            | 5.055 | 53  | 51846  | 95.658 | ug/l   | 100 |
| 16) Acetone                  | 3.873 | 43  | 36077  | 89.420 | ug/l   | 92  |
| 17) Carbon Disulfide         | 4.104 | 76  | 180959 | 19.733 | ug/l   | 99  |
| 18) Methyl Acetate           | 4.385 | 43  | 26790  | 21.461 | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.110 | 73  | 119952 | 18.634 | ug/l   | 98  |
| 20) Methylene Chloride       | 4.610 | 84  | 67948  | 20.108 | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 64406  | 19.996 | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.019 | 45  | 146890 | 19.710 | ug/l   | 98  |
| 23) Vinyl Acetate            | 5.958 | 43  | 371342 | 92.455 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 102207 | 19.785 | ug/l   | 95  |
| 25) 2-Butanone               | 6.890 | 43  | 55654  | 91.364 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 91186  | 20.140 | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 70781  | 19.653 | ug/l   | 98  |
| 28) Bromochloromethane       | 7.244 | 49  | 40106  | 19.988 | ug/l   | 98  |
| 29) Tetrahydrofuran          | 7.262 | 42  | 36921  | 93.322 | ug/l   | 98  |
| 30) Chloroform               | 7.421 | 83  | 115178 | 20.101 | ug/l   | 98  |
| 31) Cyclohexane              | 7.701 | 56  | 83695  | 18.946 | ug/l # | 91  |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 104622 | 20.181 | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.829 | 75  | 78332  | 20.062 | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.988 | 43  | 27342m | 19.497 | ug/l   |     |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 96787  | 20.744 | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.103 | 83  | 93388  | 19.006 | ug/l   | 94  |
| 40) Benzene                  | 8.079 | 78  | 250157 | 20.495 | ug/l   | 100 |

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 Sample : VY0430SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0430SBS01

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.214  | 41   | 15478    | 20.191  | ug/l # | 95       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 61936    | 20.495  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 51000    | 18.937  | ug/l   | 98       |
| 44) Trichloroethene           | 8.860  | 130  | 69297    | 20.497  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 54935    | 20.352  | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 35003    | 20.716  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.420  | 83   | 87120    | 20.639  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 23107    | 18.560  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 7458     | 414.120 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 9.994  | 43   | 139092   | 98.525  | ug/l   | 98       |
| 52) Toluene                   | 10.170 | 92   | 162291   | 20.541  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 73102    | 20.190  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 86456    | 20.088  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.567 | 97   | 46575    | 20.636  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 47773    | 18.509  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 73864    | 20.414  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 124335   | 98.525  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 87825    | 94.317  | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.908 | 129  | 63230    | 20.235  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 42794    | 20.084  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.646 | 164  | 81751    | 21.295  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.438 | 112  | 184325   | 20.255  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.512 | 131  | 66577    | 20.780  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 289472   | 19.445  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 238544   | 40.269  | ug/l   | 99       |
| 69) o-Xylene                  | 11.951 | 106  | 105935   | 19.403  | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 185895   | 20.278  | ug/l   | 98       |
| 71) Bromoform                 | 12.133 | 173  | 37727    | 20.254  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 280709   | 19.257  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 44208    | 17.652  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 47576    | 19.358  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 33877m   | 18.127  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 73436    | 19.937  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.591 | 91   | 339221   | 19.541  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 200769   | 19.887  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 239215   | 19.917  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 14890    | 19.187  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.774 | 91   | 212766   | 20.274  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.993 | 119  | 209440   | 19.443  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 238623   | 19.863  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 313905   | 19.915  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 262861   | 19.639  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 149261   | 19.952  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 148377   | 20.026  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 223801   | 18.707  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 58123    | 19.765  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.658 | 146  | 132919   | 20.371  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.267 | 75   | 7198     | 18.409  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 69519    | 18.801  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 46146    | 20.284  | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 103951   | 16.924  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 60230    | 18.870  | ug/l   | 99       |

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Sample : VY0430SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0430SBSD01

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Response via : Initial Calibration

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

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

