

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032125\  
 Data File : VY021593.D  
 Acq On : 21 Mar 2025 12:42  
 Operator : SY/MD  
 Sample : VY0321SBSD01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0321SBSD01

Quant Time: Mar 21 23:10:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 195016   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 301454   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 268718   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 142255   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 127055   | 61.641   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 123.280% |      |
| 35) Dibromofluoromethane    | 7.634  | 113   | 123477   | 62.315   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 124.620% |      |
| 50) Toluene-d8              | 10.103 | 98    | 447245   | 59.612   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 119.220% |      |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 155706   | 61.012   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 122.020% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.861 | 85  | 32851  | 18.357  | ug/l   | 98  |
| 3) Chloromethane             | 2.068 | 50  | 47914  | 18.990  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.202 | 62  | 57635  | 20.903  | ug/l   | 99  |
| 5) Bromomethane              | 2.586 | 94  | 41535  | 20.843  | ug/l   | 97  |
| 6) Chloroethane              | 2.726 | 64  | 39051  | 21.432  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 86503  | 22.477  | ug/l   | 95  |
| 8) Diethyl Ether             | 3.452 | 74  | 21729  | 20.374  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 44248  | 20.138  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.001 | 142 | 43302  | 19.387  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 4.848 | 59  | 16821  | 113.184 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 38416  | 19.177  | ug/l   | 94  |
| 13) Acrolein                 | 3.647 | 56  | 10952  | 104.463 | ug/l   | 90  |
| 14) Allyl chloride           | 4.379 | 41  | 63342  | 19.566  | ug/l   | 99  |
| 15) Acrylonitrile            | 5.061 | 53  | 49669  | 109.401 | ug/l   | 98  |
| 16) Acetone                  | 3.866 | 43  | 51735  | 115.077 | ug/l   | 95  |
| 17) Carbon Disulfide         | 4.104 | 76  | 105105 | 16.742  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.385 | 43  | 21423  | 21.477  | ug/l   | 97  |
| 19) Methyl tert-butyl Ether  | 5.110 | 73  | 105051 | 20.690  | ug/l   | 95  |
| 20) Methylene Chloride       | 4.610 | 84  | 46621  | 19.756  | ug/l   | 96  |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 43157  | 19.237  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.018 | 45  | 143031 | 20.501  | ug/l   | 97  |
| 23) Vinyl Acetate            | 5.958 | 43  | 412006 | 103.476 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 5.909 | 63  | 84463  | 20.512  | ug/l   | 98  |
| 25) 2-Butanone               | 6.890 | 43  | 70476  | 113.326 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 75200  | 19.848  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 52032  | 20.416  | ug/l   | 96  |
| 28) Bromochloromethane       | 7.244 | 49  | 36408  | 21.090  | ug/l   | 100 |
| 29) Tetrahydrofuran          | 7.262 | 42  | 41947  | 109.259 | ug/l   | 98  |
| 30) Chloroform               | 7.421 | 83  | 88360  | 20.665  | ug/l   | 98  |
| 31) Cyclohexane              | 7.695 | 56  | 68348  | 17.705  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 7.610 | 97  | 79988  | 20.431  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 60261  | 19.429  | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.982 | 43  | 29539  | 21.547  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 71125  | 19.939  | ug/l   | 100 |
| 39) Methylcyclohexane        | 9.109 | 83  | 69739  | 18.330  | ug/l   | 97  |
| 40) Benzene                  | 8.079 | 78  | 182493 | 19.973  | ug/l   | 99  |

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 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.219  | 41   | 17242    | 23.098  | ug/l # | 90       |
| 42) 1,2-Dichloroethane        | 8.152  | 62   | 52509    | 20.543  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 56322    | 21.164  | ug/l # | 87       |
| 44) Trichloroethene           | 8.866  | 130  | 48098    | 20.832  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 44022    | 20.244  | ug/l   | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 25937    | 21.436  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.420  | 83   | 67645    | 21.052  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 24706    | 20.217  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 6054     | 509.764 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 148524   | 108.165 | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 120578   | 20.932  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 58561    | 20.686  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 67331    | 20.033  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 33745    | 21.321  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 41055    | 20.339  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 57539    | 20.975  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 95509    | 102.498 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 98516    | 108.505 | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.914 | 129  | 45938    | 21.171  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 30758    | 20.591  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 50410    | 23.070  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.438 | 112  | 127049   | 20.021  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 46303    | 20.639  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 214810   | 19.286  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 165818   | 39.214  | ug/l   | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 76018    | 19.506  | ug/l   | 98       |
| 70) Styrene                   | 11.969 | 104  | 129337   | 20.005  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 27584    | 21.994  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 206940   | 18.467  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.072 | 43   | 47517    | 19.525  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 38955    | 19.700  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 28285m   | 19.732  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 49655    | 18.941  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.597 | 91   | 254997   | 18.737  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 147345   | 18.935  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 173356   | 19.036  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 11467    | 18.185  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 153231   | 19.016  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 155034   | 19.084  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 175480   | 19.408  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 228529   | 18.907  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 190717   | 19.152  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 101099   | 19.373  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 99948    | 19.584  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 176902   | 19.238  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 41333    | 19.457  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 89867    | 20.093  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 6368     | 21.498  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 50826    | 20.805  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 32036    | 20.920  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 79527    | 21.264  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 42662    | 20.764  | ug/l   | 99       |

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Sample : VY0321SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

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MSVOA\_Y  
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Quant Time: Mar 21 23:10:18 2025  
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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

