

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032525\  
 Data File : VY021631.D  
 Acq On : 25 Mar 2025 12:59  
 Operator : SY/MD  
 Sample : VY0325SBSD01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0325SBSD01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 03/26/2025  
 Supervised By :Semsettin Yesilyurt 03/26/2025

Quant Time: Mar 26 01:36:04 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  | 175250   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 281285   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 248863   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 132727   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 107798   | 58.197   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 116.400% |      |
| 35) Dibromofluoromethane    | 7.634  | 113   | 101432   | 54.860   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 109.720% |      |
| 50) Toluene-d8              | 10.103 | 98    | 364657   | 52.089   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 104.180% |      |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 126684   | 53.199   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 106.400% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.861 | 85  | 31100  | 19.338  | ug/l   | 99  |
| 3) Chloromethane             | 2.068 | 50  | 43910  | 19.366  | ug/l   | 95  |
| 4) Vinyl Chloride            | 2.202 | 62  | 51454  | 20.766  | ug/l   | 97  |
| 5) Bromomethane              | 2.586 | 94  | 37484  | 20.932  | ug/l   | 91  |
| 6) Chloroethane              | 2.732 | 64  | 36530  | 22.310  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.050 | 101 | 80238  | 23.201  | ug/l   | 97  |
| 8) Diethyl Ether             | 3.458 | 74  | 21092  | 22.007  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 42860  | 21.706  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.001 | 142 | 40370  | 20.113  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.854 | 59  | 14514  | 107.689 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 36318  | 20.174  | ug/l   | 98  |
| 13) Acrolein                 | 3.647 | 56  | 9218   | 97.841  | ug/l   | 90  |
| 14) Allyl chloride           | 4.379 | 41  | 60332  | 20.738  | ug/l   | 98  |
| 15) Acrylonitrile            | 5.055 | 53  | 49015  | 120.137 | ug/l   | 99  |
| 16) Acetone                  | 3.873 | 43  | 38849  | 96.161  | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.104 | 76  | 90886  | 16.110  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.385 | 43  | 22666  | 25.285  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 103456 | 22.674  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.616 | 84  | 47732  | 22.508  | ug/l   | 96  |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 40210  | 19.945  | ug/l   | 96  |
| 22) Diisopropyl ether        | 6.019 | 45  | 141865 | 22.627  | ug/l   | 96  |
| 23) Vinyl Acetate            | 5.958 | 43  | 396966 | 110.943 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 82207  | 22.216  | ug/l   | 98  |
| 25) 2-Butanone               | 6.896 | 43  | 61405  | 109.877 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 66035  | 19.395  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 49580  | 21.648  | ug/l   | 97  |
| 28) Bromochloromethane       | 7.244 | 49  | 32306  | 20.825  | ug/l   | 99  |
| 29) Tetrahydrofuran          | 7.262 | 42  | 40133  | 116.324 | ug/l   | 98  |
| 30) Chloroform               | 7.421 | 83  | 89027  | 23.170  | ug/l   | 97  |
| 31) Cyclohexane              | 7.695 | 56  | 62737  | 18.085  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 78223  | 22.234  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 56866  | 19.649  | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.982 | 43  | 29252  | 22.868  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 68454  | 20.566  | ug/l   | 95  |
| 39) Methylcyclohexane        | 9.109 | 83  | 63072  | 17.767  | ug/l   | 99  |
| 40) Benzene                  | 8.079 | 78  | 176793 | 20.737  | ug/l   | 100 |

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 Sample : VY0325SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0325SBS01

Manual Integrations  
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Reviewed By :Mahesh Dadoda 03/26/2025  
 Supervised By :Semsettin Yesilyurt 03/26/2025

Quant Time: Mar 26 01:36:04 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) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.213  | 41   | 15940    | 22.885  | ug/l # | 91       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 52127    | 21.856  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 55391    | 22.306  | ug/l # | 88       |
| 44) Trichloroethene           | 8.866  | 130  | 45720    | 21.222  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 45034    | 22.194  | ug/l   | 95       |
| 46) Dibromomethane            | 9.231  | 93   | 25166    | 22.291  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.420  | 83   | 67725    | 22.588  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 25710    | 22.547  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 5817     | 524.929 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 151557   | 118.288 | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 112490   | 20.928  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 56575    | 21.418  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 66385    | 21.167  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 34943    | 23.661  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 41533    | 22.051  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 57380    | 22.417  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 100684   | 115.799 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 99005    | 116.862 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 47032    | 23.230  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 31432    | 22.551  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.646 | 164  | 47781    | 23.611  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.438 | 112  | 123052   | 20.939  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 45685    | 21.988  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 207154   | 20.083  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.627 | 106  | 158239   | 40.408  | ug/l   | 100      |
| 69) o-Xylene                  | 11.956 | 106  | 73614    | 20.396  | ug/l   | 98       |
| 70) Styrene                   | 11.969 | 104  | 125909   | 21.029  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 26976    | 23.226  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.255 | 105  | 201024   | 19.227  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 48701    | 21.448  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 40336    | 21.862  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 29213m   | 21.842  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 49891    | 20.397  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.597 | 91   | 244887   | 19.286  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 143314   | 19.739  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 166063   | 19.545  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 11105    | 18.875  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 147962   | 19.680  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 149683   | 19.748  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 168050   | 19.920  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 224391   | 19.897  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 182252   | 19.616  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 99930    | 20.524  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 97457    | 20.467  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.615 | 91   | 165833   | 19.329  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.877 | 117  | 39726    | 20.043  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 88702    | 21.256  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 6507     | 23.544  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 49613    | 21.766  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 30756    | 21.526  | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 82996    | 23.510  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 43614    | 22.751  | ug/l   | 99       |

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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0325SBSD01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 03/26/2025  
Supervised By :Semsettin Yesilyurt 03/26/2025

Quant Time: Mar 26 01:36:04 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

