

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102022\  
 Data File : VY011013.D  
 Acq On : 20 Oct 2022 09:59  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/21/2022  
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 20 22:21:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 293425     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 462538     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.495         | 117  | 410785     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 195932     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.142          | 65   | 114663     | 42.423  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 84.840% |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 122608     | 47.443  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 94.880% |        |          |
| 50) Toluene-d8               | 10.185         | 98   | 430510     | 44.576  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 89.160% |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 160341     | 46.664  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 93.320% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 91072      | 46.792  | ug/l   | 99       |
| 3) Chloromethane             | 2.119          | 50   | 126157     | 45.180  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.253          | 62   | 155538     | 49.145  | ug/l   | 100      |
| 5) Bromomethane              | 2.656          | 94   | 107632     | 49.169  | ug/l   | 98       |
| 6) Chloroethane              | 2.802          | 64   | 107741     | 50.943  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.131          | 101  | 237974     | 51.372  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.533          | 74   | 82009      | 47.440  | ug/l   | 81       |
| 9) 1,1,2-Trichlorotrifluo... | 3.905          | 101  | 149619     | 51.492  | ug/l   | 93       |
| 10) Methyl Iodide            | 4.094          | 142  | 186855     | 52.554  | ug/l   | 90       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 70802      | 231.045 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 137697     | 49.469  | ug/l   | 87       |
| 13) Acrolein                 | 3.735          | 56   | 110055     | 252.573 | ug/l   | 98       |
| 14) Allyl chloride           | 4.484          | 41   | 217904     | 49.366  | ug/l # | 89       |
| 15) Acrylonitrile            | 5.161          | 53   | 206463     | 229.129 | ug/l   | 98       |
| 16) Acetone                  | 3.948          | 43   | 208668     | 265.850 | ug/l # | 87       |
| 17) Carbon Disulfide         | 4.198          | 76   | 353091     | 43.270  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.478          | 43   | 97773      | 43.938  | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 393629     | 50.614  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.716          | 84   | 176753     | 51.916  | ug/l   | 87       |
| 21) trans-1,2-Dichloroethene | 5.222          | 96   | 155172     | 49.381  | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.118          | 45   | 491053     | 51.944  | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.057          | 43   | 1452639    | 256.963 | ug/l # | 93       |
| 24) 1,1-Dichloroethane       | 6.021          | 63   | 293652     | 51.448  | ug/l   | 99       |
| 25) 2-Butanone               | 6.984          | 43   | 278355     | 233.847 | ug/l # | 85       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 270756     | 53.419  | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 6.990          | 96   | 187699     | 51.828  | ug/l   | 89       |
| 28) Bromochloromethane       | 7.332          | 49   | 105887     | 52.187  | ug/l   | 86       |
| 29) Tetrahydrofuran          | 7.350          | 42   | 162056     | 221.283 | ug/l # | 85       |
| 30) Chloroform               | 7.508          | 83   | 301936     | 52.477  | ug/l   | 99       |
| 31) Cyclohexane              | 7.789          | 56   | 239741     | 46.352  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 7.703          | 97   | 267973     | 52.985  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 221378     | 51.414  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.075          | 43   | 114371     | 47.977  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 7.898          | 117  | 237943     | 53.534  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.185          | 83   | 264257     | 51.240  | ug/l   | 92       |
| 40) Benzene                  | 8.161          | 78   | 651844     | 51.595  | ug/l   | 95       |

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 ALS Vial : 2 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 57328m   | 44.377  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 180317   | 51.510  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 208169   | 48.874  | ug/l # | 88       |
| 44) Trichloroethene           | 8.941  | 130  | 177321   | 51.793  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 167429   | 52.232  | ug/l   | 97       |
| 46) Dibromomethane            | 9.307  | 93   | 90893    | 50.840  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 232670   | 54.004  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.295  | 41   | 93182    | 48.884  | ug/l # | 81       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 23543    | 916.519 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 569843   | 239.897 | ug/l # | 88       |
| 52) Toluene                   | 10.246 | 92   | 415875   | 52.987  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 234365   | 52.363  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 271117   | 52.933  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 133089   | 51.601  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 180027   | 52.554  | ug/l # | 77       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 226892   | 51.165  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 416820   | 246.204 | ug/l   | 96       |
| 59) 2-Hexanone                | 10.831 | 43   | 409257   | 250.821 | ug/l   | 86       |
| 60) Dibromochloromethane      | 10.983 | 129  | 161618   | 52.697  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 124694   | 50.485  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 167345   | 52.332  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.520 | 112  | 451040   | 53.481  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 168137   | 53.863  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 809452   | 54.252  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 625250   | 108.938 | ug/l   | 94       |
| 69) o-Xylene                  | 12.032 | 106  | 301546   | 55.330  | ug/l   | 93       |
| 70) Styrene                   | 12.044 | 104  | 506500   | 54.848  | ug/l   | 95       |
| 71) Bromoform                 | 12.209 | 173  | 100641   | 52.240  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 805635   | 56.596  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.148 | 43   | 186541   | 51.650  | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 152175   | 50.938  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.635 | 75   | 104355m  | 46.913  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 180111   | 54.130  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.672 | 91   | 972548   | 56.154  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 541397   | 55.507  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 667409   | 56.193  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 54728    | 52.914  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 554110   | 54.563  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 595195   | 57.952  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 658794   | 56.251  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 876275   | 56.778  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 728527   | 56.902  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 356560   | 53.694  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 355295   | 53.810  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 682193   | 57.020  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.964 | 117  | 138928   | 54.983  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 317820   | 53.493  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 23824    | 48.232  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 194978   | 54.910  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 117114   | 56.032  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 387524   | 53.589  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 167150   | 53.958  | ug/l   | 98       |

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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

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