

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120522\  
 Data File : VY011689.D  
 Acq On : 05 Dec 2022 11:56  
 Operator : KP/MD  
 Sample : VY1205SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1205SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 12/06/2022  
 Supervised By :Mahesh Dadoda 12/06/2022

Quant Time: Dec 06 00:35:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 178535              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 280438              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 255862              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 134167              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 95547               | 52.706  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 105.420% |         |        |          |
| 35) Dibromofluoromethane     | 7.715          | 113  | 94356               | 54.656  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 109.320% |         |        |          |
| 50) Toluene-d8               | 10.178         | 98   | 322689              | 51.438  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 102.880% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 126618              | 54.589  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 109.180% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 30117               | 28.268  | ug/l   | 99       |
| 3) Chloromethane             | 2.113          | 50   | 33027               | 19.012  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.253          | 62   | 38014               | 18.825  | ug/l   | 93       |
| 5) Bromomethane              | 2.643          | 94   | 26950               | 18.380  | ug/l   | 93       |
| 6) Chloroethane              | 2.790          | 64   | 25437               | 18.054  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 65363               | 22.067  | ug/l   | 93       |
| 8) Diethyl Ether             | 3.527          | 74   | 20487               | 21.400  | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899          | 101  | 36385               | 21.243  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.088          | 142  | 40574               | 20.332  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 4.942          | 59   | 23769               | 103.487 | ug/l # | 89       |
| 12) 1,1-Dichloroethene       | 3.869          | 96   | 33564               | 21.393  | ug/l   | 89       |
| 13) Acrolein                 | 3.728          | 56   | 6330                | 132.427 | ug/l   | 97       |
| 14) Allyl chloride           | 4.478          | 41   | 56078               | 20.360  | ug/l # | 92       |
| 15) Acrylonitrile            | 5.161          | 53   | 54099               | 103.463 | ug/l   | 97       |
| 16) Acetone                  | 3.948          | 43   | 54229               | 92.094  | ug/l   | 91       |
| 17) Carbon Disulfide         | 4.192          | 76   | 89915               | 20.678  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.478          | 43   | 30605               | 21.063  | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 5.216          | 73   | 96050               | 21.451  | ug/l   | 93       |
| 20) Methylene Chloride       | 4.716          | 84   | 62748               | 22.526  | ug/l   | 88       |
| 21) trans-1,2-Dichloroethene | 5.222          | 96   | 38434               | 21.199  | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.118          | 45   | 125579              | 20.888  | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.057          | 43   | 344797              | 98.455  | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 73758               | 20.895  | ug/l   | 99       |
| 25) 2-Butanone               | 6.984          | 43   | 73733               | 95.278  | ug/l # | 87       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 68275               | 20.957  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 45344               | 21.244  | ug/l   | 93       |
| 28) Bromochloromethane       | 7.331          | 49   | 26739               | 18.856  | ug/l   | 87       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 41371               | 94.664  | ug/l # | 87       |
| 30) Chloroform               | 7.502          | 83   | 79530               | 21.725  | ug/l   | 99       |
| 31) Cyclohexane              | 7.783          | 56   | 60121               | 20.008  | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 7.703          | 97   | 71175               | 21.735  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 55785               | 20.672  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.075          | 43   | 30493               | 19.844  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.898          | 117  | 64623               | 21.405  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.185          | 83   | 61559               | 20.442  | ug/l   | 93       |
| 40) Benzene                  | 8.161          | 78   | 165221              | 21.019  | ug/l   | 97       |

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 ALS Vial : 5 Sample Multiplier: 1

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 ClientSampleId :  
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Quant Time: Dec 06 00:35:26 2022  
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 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 12585    | 16.198  | ug/l # | 45       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 50639    | 20.830  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 54121    | 19.524  | ug/l # | 92       |
| 44) Trichloroethene           | 8.941  | 130  | 44103    | 20.853  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 42441    | 21.123  | ug/l   | 92       |
| 46) Dibromomethane            | 9.307  | 93   | 22915    | 20.397  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.496  | 83   | 61078    | 21.584  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.294  | 41   | 24091    | 19.566  | ug/l # | 89       |
| 49) 1,4-Dioxane               | 9.288  | 88   | 5660     | 406.817 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 146668   | 95.178  | ug/l   | 92       |
| 52) Toluene                   | 10.245 | 92   | 106266   | 21.378  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 57780    | 20.426  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.928  | 75   | 65603    | 20.615  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 33119    | 20.606  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 41124    | 20.573  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 56946    | 20.920  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 97861    | 99.960  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.831 | 43   | 105006   | 95.474  | ug/l   | 92       |
| 60) Dibromochloromethane      | 10.983 | 129  | 42059    | 21.353  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 30212    | 20.593  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.721 | 164  | 44755    | 21.226  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 114761   | 21.420  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 44188    | 21.760  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 200459   | 20.721  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 157623   | 42.802  | ug/l   | 97       |
| 69) o-Xylene                  | 12.032 | 106  | 73182    | 21.345  | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 125714   | 21.481  | ug/l   | 97       |
| 71) Bromoform                 | 12.209 | 173  | 25968    | 21.020  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.330 | 105  | 200830   | 20.697  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.141 | 43   | 46192    | 19.277  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.580 | 83   | 36757    | 19.224  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 30391m   | 21.033  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 46044    | 20.322  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.672 | 91   | 245510   | 20.739  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 138737   | 20.793  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 172304   | 21.066  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 12971    | 19.663  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 145493   | 20.854  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.074 | 119  | 145325   | 20.398  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 170416   | 21.095  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 220086   | 20.704  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 185285   | 20.885  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 94849    | 20.565  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 94471    | 20.484  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.696 | 91   | 169317   | 20.761  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.958 | 117  | 37291    | 20.815  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 83978    | 20.540  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 6323     | 20.164  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 48696    | 21.474  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.110 | 225  | 32708    | 23.203  | ug/l   | 100      |
| 95) Naphthalene               | 15.239 | 128  | 89046    | 21.245  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.427 | 180  | 41812    | 21.515  | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Sat Nov 19 22:37:14 2022  
Response via : Initial Calibration

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

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

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