

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110222\  
 Data File : VY011251.D  
 Acq On : 02 Nov 2022 10:55  
 Operator : KP/MD  
 Sample : VY1102SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1102SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa  
 Patel

Quant Time: Nov 02 13:26:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.783  | 168   | 250874   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685  | 114   | 398629   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 365058   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 185894   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.137  | 65    | 120819   | 45.030   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 90.060%  |
| 35) Dibromofluoromethane     | 7.710  | 113   | 122947   | 48.004   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 96.000%  |
| 50) Toluene-d8               | 10.179 | 98    | 471135   | 47.379   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 94.760%  |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 167753   | 48.594   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 97.180%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.900  | 85    | 54204    | 24.903   | ug/l   | 99       |
| 3) Chloromethane             | 2.107  | 50    | 56701    | 20.383   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.247  | 62    | 62944    | 20.256   | ug/l   | 99       |
| 5) Bromomethane              | 2.638  | 94    | 43280    | 20.877   | ug/l   | 96       |
| 6) Chloroethane              | 2.784  | 64    | 39342    | 19.703   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.119  | 101   | 93848    | 20.443   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.522  | 74    | 31431    | 19.081   | ug/l   | 81       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893  | 101   | 55230    | 20.010   | ug/l   | 94       |
| 10) Methyl Iodide            | 4.082  | 142   | 63017    | 17.737   | ug/l   | 91       |
| 11) Tert butyl alcohol       | 4.942  | 59    | 42852    | 139.692  | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 3.869  | 96    | 53692    | 19.675   | ug/l # | 78       |
| 13) Acrolein                 | 3.723  | 56    | 18296    | 117.896  | ug/l   | 98       |
| 14) Allyl chloride           | 4.473  | 41    | 78099    | 18.894   | ug/l # | 83       |
| 15) Acrylonitrile            | 5.155  | 53    | 76825    | 92.943   | ug/l   | 97       |
| 16) Acetone                  | 3.942  | 43    | 67639    | 83.512   | ug/l # | 80       |
| 17) Carbon Disulfide         | 4.186  | 76    | 173811   | 19.392   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.473  | 43    | 41105    | 19.170   | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.216  | 73    | 134941   | 18.608   | ug/l   | 97       |
| 20) Methylene Chloride       | 4.710  | 84    | 104168   | 29.374   | ug/l # | 81       |
| 21) trans-1,2-Dichloroethene | 5.210  | 96    | 61864    | 19.932   | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.113  | 45    | 165168   | 19.272   | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.052  | 43    | 483190   | 92.372   | ug/l # | 91       |
| 24) 1,1-Dichloroethane       | 6.009  | 63    | 104239   | 19.422   | ug/l   | 98       |
| 25) 2-Butanone               | 6.984  | 43    | 101796   | 89.326   | ug/l # | 83       |
| 26) 2,2-Dichloropropane      | 6.972  | 77    | 94707    | 19.298   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 67060    | 19.608   | ug/l   | 88       |
| 28) Bromochloromethane       | 7.332  | 49    | 37916    | 18.392   | ug/l # | 83       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 60966    | 91.895   | ug/l # | 84       |
| 30) Chloroform               | 7.503  | 83    | 105861   | 19.529   | ug/l   | 99       |
| 31) Cyclohexane              | 7.783  | 56    | 94175    | 18.937   | ug/l # | 87       |
| 32) 1,1,1-Trichloroethane    | 7.698  | 97    | 93981    | 19.547   | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 7.911  | 75    | 84148    | 20.119   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.070  | 43    | 42154    | 18.696   | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 88222    | 20.331   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.179  | 83    | 102960   | 20.234   | ug/l   | 91       |
| 40) Benzene                  | 8.155  | 78    | 246142   | 20.024   | ug/l   | 95       |

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Reviewed By :Krupa  
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 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.320  | 41   | 23201m   | 18.938  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 65234    | 19.543  | ug/l   |          |
| 43) Isopropyl Acetate         | 8.271  | 43   | 74091    | 18.651  | ug/l # | 88       |
| 44) Trichloroethene           | 8.935  | 130  | 66330    | 20.163  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.210  | 63   | 59705    | 19.646  | ug/l   | 98       |
| 46) Dibromomethane            | 9.301  | 93   | 33513    | 19.517  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.490  | 83   | 79890    | 19.627  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.289  | 41   | 34019    | 18.645  | ug/l # | 77       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 8944     | 387.190 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 201456   | 93.270  | ug/l # | 87       |
| 52) Toluene                   | 10.240 | 92   | 154423   | 20.260  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 82616    | 19.272  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 95442    | 19.458  | ug/l # | 81       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 48190    | 19.582  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 61266    | 18.847  | ug/l # | 75       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 81971    | 19.460  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 148806   | 97.646  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 142745   | 92.570  | ug/l   | 84       |
| 60) Dibromochloromethane      | 10.984 | 129  | 57725    | 19.742  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 46015    | 19.695  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 64154    | 20.689  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 160994   | 19.989  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 59467    | 20.053  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.587 | 91   | 286519   | 20.055  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.697 | 106  | 226750   | 40.887  | ug/l   | 94       |
| 69) o-Xylene                  | 12.026 | 106  | 105175   | 20.232  | ug/l   | 93       |
| 70) Styrene                   | 12.038 | 104  | 179402   | 20.357  | ug/l   | 95       |
| 71) Bromoform                 | 12.203 | 173  | 36481    | 19.792  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.325 | 105  | 279158   | 20.085  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 63570    | 18.221  | ug/l # | 82       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 55265    | 19.215  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 39506m   | 17.457  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 64740    | 19.803  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.666 | 91   | 343405   | 20.192  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 193419   | 19.849  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 238592   | 20.287  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 19663    | 18.595  | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 202495   | 20.165  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 203669   | 20.098  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 236464   | 20.329  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.252 | 105  | 307043   | 20.435  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 255198   | 20.377  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 131562   | 20.069  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.441 | 146  | 131405   | 19.986  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.697 | 91   | 236063   | 20.186  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 49600    | 19.804  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 116815   | 19.949  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 9069     | 18.407  | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 69299    | 19.581  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 42575    | 20.660  | ug/l   | 100      |
| 95) Naphthalene               | 15.233 | 128  | 134494   | 18.931  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 61248    | 19.692  | ug/l   | 99       |

11/03/2022  
 Supervised By :Mahesh  
 Dadoda

11/03/2022

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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

11/03/2022  
Supervised By :Mahesh  
Dadoda

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