

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051122\  
 Data File : VY008699.D  
 Acq On : 11 May 2022 12:08  
 Operator : KP/MD  
 Sample : VY0509SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0511SBS01

Manual Integrations  
 APPROVED

Reviewed By : Mahesh  
 Dadoda

Quant Time: May 11 13:21:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050922S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 09 19:21:20 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |                             |
|------------------------------|--------|-------|----------|----------|------------|----------|-----------------------------|
|                              |        |       |          |          |            |          | 05/13/2022                  |
| Internal Standards           |        |       |          |          |            |          | Supervised By : Stanseethin |
| 1) Pentafluorobenzene        | 7.789  | 168   | 198598   | 50.000   | ug/l       | 0.00     | 05/13/2022                  |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 315850   | 50.000   | ug/l       | 0.00     |                             |
| 63) Chlorobenzene-d5         | 11.489 | 117   | 300789   | 50.000   | ug/l       | 0.00     |                             |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 154780   | 50.000   | ug/l       | 0.00     |                             |
| System Monitoring Compounds  |        |       |          |          |            |          |                             |
| 33) 1,2-Dichloroethane-d4    | 8.142  | 65    | 97489    | 57.289   | ug/l       | 0.00     |                             |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 114.580% |          |                             |
| 35) Dibromofluoromethane     | 7.716  | 113   | 102954   | 52.894   | ug/l       | 0.00     |                             |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 105.780% |          |                             |
| 50) Toluene-d8               | 10.179 | 98    | 358092   | 52.207   | ug/l       | 0.00     |                             |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 104.420% |          |                             |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 127942   | 51.847   | ug/l       | 0.00     |                             |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 103.700% |          |                             |
| Target Compounds             |        |       |          |          |            | Qvalue   |                             |
| 2) Dichlorodifluoromethane   | 1.918  | 85    | 20911    | 20.146   | ug/l       | 99       |                             |
| 3) Chloromethane             | 2.113  | 50    | 30778    | 24.085   | ug/l       | 97       |                             |
| 4) Vinyl Chloride            | 2.259  | 62    | 46803    | 28.848   | ug/l       | 96       |                             |
| 5) Bromomethane              | 2.655  | 94    | 33160    | 25.432   | ug/l       | 92       |                             |
| 6) Chloroethane              | 2.802  | 64    | 27987    | 25.141   | ug/l       | 95       |                             |
| 7) Trichlorofluoromethane    | 3.125  | 101   | 49244    | 25.085   | ug/l       | 97       |                             |
| 8) Diethyl Ether             | 3.521  | 74    | 29786    | 23.984   | ug/l       | 73       |                             |
| 9) 1,1,2-Trichlorotrifluo... | 3.905  | 101   | 47411    | 23.602   | ug/l       | 94       |                             |
| 10) Methyl Iodide            | 4.088  | 142   | 79991    | 23.994   | ug/l #     | 86       |                             |
| 11) Tert butyl alcohol       | 4.948  | 59    | 22116    | 145.541  | ug/l #     | 95       |                             |
| 12) 1,1-Dichloroethene       | 3.869  | 96    | 49354    | 23.741   | ug/l       | 80       |                             |
| 13) Acrolein                 | 3.722  | 56    | 22240    | 132.349  | ug/l       | 99       |                             |
| 14) Allyl chloride           | 4.478  | 41    | 63373    | 23.564   | ug/l #     | 85       |                             |
| 15) Acrylonitrile            | 5.155  | 53    | 69206    | 124.355  | ug/l       | 97       |                             |
| 16) Acetone                  | 3.942  | 43    | 49155    | 122.437  | ug/l #     | 84       |                             |
| 17) Carbon Disulfide         | 4.192  | 76    | 135322   | 24.543   | ug/l       | 99       |                             |
| 18) Methyl Acetate           | 4.472  | 43    | 34703    | 28.466   | ug/l #     | 83       |                             |
| 19) Methyl tert-butyl Ether  | 5.216  | 73    | 91357    | 23.838   | ug/l       | 93       |                             |
| 20) Methylene Chloride       | 4.710  | 84    | 62885    | 25.793   | ug/l #     | 79       |                             |
| 21) trans-1,2-Dichloroethene | 5.216  | 96    | 55065    | 23.567   | ug/l #     | 79       |                             |
| 22) Diisopropyl ether        | 6.118  | 45    | 140107   | 24.066   | ug/l #     | 88       |                             |
| 23) Vinyl Acetate            | 6.057  | 43    | 453785   | 123.402  | ug/l #     | 88       |                             |
| 24) 1,1-Dichloroethane       | 6.009  | 63    | 88114    | 23.572   | ug/l       | 98       |                             |
| 25) 2-Butanone               | 6.978  | 43    | 81682    | 123.770  | ug/l #     | 83       |                             |
| 26) 2,2-Dichloropropane      | 6.978  | 77    | 60669    | 24.278   | ug/l       | 90       |                             |
| 27) cis-1,2-Dichloroethene   | 6.978  | 96    | 61072    | 23.120   | ug/l       | 79       |                             |
| 28) Bromochloromethane       | 7.331  | 49    | 28417    | 21.437   | ug/l #     | 67       |                             |
| 29) Tetrahydrofuran          | 7.344  | 42    | 55023    | 124.751  | ug/l #     | 78       |                             |
| 30) Chloroform               | 7.502  | 83    | 92833    | 23.483   | ug/l       | 99       |                             |
| 31) Cyclohexane              | 7.783  | 56    | 78858    | 23.426   | ug/l #     | 83       |                             |
| 32) 1,1,1-Trichloroethane    | 7.703  | 97    | 78874    | 24.346   | ug/l       | 93       |                             |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 71258    | 22.786   | ug/l       | 93       |                             |
| 37) Ethyl Acetate            | 7.075  | 43    | 38148    | 24.533   | ug/l #     | 89       |                             |
| 38) Carbon Tetrachloride     | 7.898  | 117   | 75196    | 23.774   | ug/l       | 96       |                             |
| 39) Methylcyclohexane        | 9.185  | 83    | 94083    | 23.262   | ug/l #     | 84       |                             |
| 40) Benzene                  | 8.161  | 78    | 211543   | 23.282   | ug/l       | 99       |                             |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051122\  
 Data File : VY008699.D  
 Acq On : 11 May 2022 12:08  
 Operator : KP/MD  
 Sample : VY0509SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0511SBS01

Manual Integrations  
 APPROVED

Reviewed By : Mahesh  
 Dadoda

Quant Time: May 11 13:21:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050922S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 09 19:21:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |                        |
|-------------------------------|--------|------|----------|---------|--------|----------|------------------------|
| 41) Methacrylonitrile         | 7.319  | 41   | 20210m   | 23.972  | ug/l   |          | 05/13/2022             |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 55495    | 23.562  | ug/l   |          | Supervised By : Suresh |
| 43) Isopropyl Acetate         | 8.270  | 43   | 69117    | 24.469  | ug/l # | 86       | 05/13/2022             |
| 44) Trichloroethene           | 8.941  | 130  | 61040    | 23.020  | ug/l   | 95       |                        |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 52537    | 23.699  | ug/l   | 95       |                        |
| 46) Dibromomethane            | 9.307  | 93   | 31864    | 22.966  | ug/l   | 94       |                        |
| 47) Bromodichloromethane      | 9.496  | 83   | 71755    | 23.160  | ug/l   | 97       |                        |
| 48) Methyl methacrylate       | 9.288  | 41   | 29860    | 24.283  | ug/l # | 74       |                        |
| 49) 1,4-Dioxane               | 9.295  | 88   | 8936     | 532.592 | ug/l # | 70       |                        |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 187534   | 126.937 | ug/l # | 84       |                        |
| 52) Toluene                   | 10.246 | 92   | 136800   | 23.127  | ug/l   | 97       |                        |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 77324    | 23.225  | ug/l   | 99       |                        |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 86351    | 22.728  | ug/l # | 79       |                        |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 46964    | 23.735  | ug/l   | 97       |                        |
| 56) Ethyl methacrylate        | 10.508 | 69   | 59916    | 23.930  | ug/l # | 71       |                        |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 75594    | 23.356  | ug/l   | 98       |                        |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 140599   | 113.407 | ug/l   | 91       |                        |
| 59) 2-Hexanone                | 10.831 | 43   | 129050   | 127.537 | ug/l   | 82       |                        |
| 60) Dibromochloromethane      | 10.983 | 129  | 55951    | 23.287  | ug/l   | 100      |                        |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 45717    | 23.447  | ug/l   | 99       |                        |
| 64) Tetrachloroethene         | 10.721 | 164  | 52016    | 22.187  | ug/l   | 96       |                        |
| 65) Chlorobenzene             | 11.514 | 112  | 151166   | 22.465  | ug/l   | 100      |                        |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 55434    | 22.184  | ug/l   | 95       |                        |
| 67) Ethyl Benzene             | 11.593 | 91   | 258328   | 22.341  | ug/l   | 96       |                        |
| 68) m/p-Xylenes               | 11.703 | 106  | 209491   | 45.281  | ug/l   | 89       |                        |
| 69) o-Xylene                  | 12.026 | 106  | 98509    | 22.444  | ug/l   | 88       |                        |
| 70) Styrene                   | 12.044 | 104  | 164858   | 22.622  | ug/l   | 93       |                        |
| 71) Bromoform                 | 12.209 | 173  | 36468    | 22.644  | ug/l # | 100      |                        |
| 73) Isopropylbenzene          | 12.331 | 105  | 258178   | 21.833  | ug/l   | 98       |                        |
| 74) N-amyl acetate            | 12.142 | 43   | 62211    | 23.431  | ug/l # | 80       |                        |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 57571    | 23.260  | ug/l   | 98       |                        |
| 76) 1,2,3-Trichloropropane    | 12.635 | 75   | 40173m   | 23.025  | ug/l   |          |                        |
| 77) Bromobenzene              | 12.611 | 156  | 64519    | 21.807  | ug/l   | 88       |                        |
| 78) n-propylbenzene           | 12.672 | 91   | 310596   | 22.092  | ug/l   | 97       |                        |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 170091   | 21.868  | ug/l   | 94       |                        |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 213890   | 22.333  | ug/l   | 97       |                        |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 20102    | 22.922  | ug/l # | 76       |                        |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 177220   | 21.972  | ug/l   | 95       |                        |
| 83) tert-Butylbenzene         | 13.074 | 119  | 191890   | 22.334  | ug/l   | 91       |                        |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 210640   | 22.270  | ug/l   | 97       |                        |
| 85) sec-Butylbenzene          | 13.251 | 105  | 282434   | 22.241  | ug/l   | 98       |                        |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 238045   | 22.559  | ug/l   | 97       |                        |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 125617   | 21.949  | ug/l   | 99       |                        |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 127476   | 22.464  | ug/l   | 98       |                        |
| 89) n-Butylbenzene            | 13.696 | 91   | 217045   | 22.475  | ug/l   | 98       |                        |
| 90) Hexachloroethane          | 13.964 | 117  | 45279    | 22.100  | ug/l   | 94       |                        |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 113429   | 22.345  | ug/l   | 98       |                        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 8349     | 22.791  | ug/l   | 62       |                        |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 72514    | 22.361  | ug/l   | 100      |                        |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 39365    | 22.152  | ug/l   | 96       |                        |
| 95) Naphthalene               | 15.239 | 128  | 150459   | 22.679  | ug/l   | 98       |                        |
| 96) 1,2,3-Trichlorobenzene    | 15.421 | 180  | 65240    | 22.828  | ug/l   | 99       |                        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051122\  
 Data File : VY008699.D  
 Acq On : 11 May 2022 12:08  
 Operator : KP/MD  
 Sample : VY0509SBSD01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0511SBSD01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh  
 Dadoda

Quant Time: May 11 13:21:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050922S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 09 19:21:20 2022  
 Response via : Initial Calibration

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

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

05/13/2022  
 Supervised By :Ganeshtin  
 Desai

05/13/2022

