

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY093022\  
 Data File : VY010757.D  
 Acq On : 30 Sep 2022 18:09  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa  
 Patel

Supervised By :Mahesh  
 Dadoda  
 10/05/2022

Quant Time: Oct 01 06:19:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) | 10/05/2022            |
|------------------------------|--------|-------|----------|----------|--------|----------|-----------------------|
| Internal Standards           |        |       |          |          |        |          | 10/03/2022            |
| 1) Pentafluorobenzene        | 7.789  | 168   | 241181   | 50.000   | ug/l   | 0.00     | Supervised By :Mahesh |
| 34) 1,4-Difluorobenzene      | 8.685  | 114   | 383256   | 50.000   | ug/l   | 0.00     | Padoda                |
| 63) Chlorobenzene-d5         | 11.489 | 117   | 347257   | 50.000   | ug/l   | 0.00     |                       |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 181206   | 50.000   | ug/l   | 0.00     |                       |
| System Monitoring Compounds  |        |       |          |          |        |          | 10/05/2022            |
| 33) 1,2-Dichloroethane-d4    | 8.136  | 65    | 117495   | 50.933   | ug/l   | 0.00     |                       |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 101.860% |                       |
| 35) Dibromofluoromethane     | 7.716  | 113   | 114780   | 46.927   | ug/l   | 0.00     |                       |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 93.860%  |                       |
| 50) Toluene-d8               | 10.179 | 98    | 430551   | 47.777   | ug/l   | 0.00     |                       |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 95.560%  |                       |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 149208   | 44.160   | ug/l   | 0.00     |                       |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 88.320%  |                       |
| Target Compounds             |        |       |          |          |        | Qvalue   |                       |
| 2) Dichlorodifluoromethane   | 1.900  | 85    | 45761    | 40.251   | ug/l   | 100      |                       |
| 3) Chloromethane             | 2.113  | 50    | 68333    | 40.737   | ug/l   | 95       |                       |
| 4) Vinyl Chloride            | 2.247  | 62    | 91296    | 42.030   | ug/l   | 100      |                       |
| 5) Bromomethane              | 2.643  | 94    | 66264    | 45.376   | ug/l   | 99       |                       |
| 6) Chloroethane              | 2.790  | 64    | 70885    | 41.722   | ug/l   | 99       |                       |
| 7) Trichlorofluoromethane    | 3.119  | 101   | 140084   | 44.204   | ug/l   | 96       |                       |
| 8) Diethyl Ether             | 3.527  | 74    | 51701    | 47.581   | ug/l   | 79       |                       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893  | 101   | 89977    | 47.176   | ug/l   | 96       |                       |
| 10) Methyl Iodide            | 4.088  | 142   | 96976    | 44.013   | ug/l   | 93       |                       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 55671    | 270.611  | ug/l   | 96       |                       |
| 12) 1,1-Dichloroethene       | 3.869  | 96    | 73447    | 43.126   | ug/l   | 83       |                       |
| 13) Acrolein                 | 3.729  | 56    | 23050    | 214.796  | ug/l   | 97       |                       |
| 14) Allyl chloride           | 4.478  | 41    | 122352   | 47.653   | ug/l # | 94       |                       |
| 15) Acrylonitrile            | 5.155  | 53    | 159169   | 282.234  | ug/l   | 98       |                       |
| 16) Acetone                  | 3.942  | 43    | 119551   | 254.134  | ug/l # | 89       |                       |
| 17) Carbon Disulfide         | 4.192  | 76    | 125833   | 36.709   | ug/l   | 100      |                       |
| 18) Methyl Acetate           | 4.472  | 43    | 71881    | 54.186   | ug/l # | 87       |                       |
| 19) Methyl tert-butyl Ether  | 5.216  | 73    | 276505   | 52.076   | ug/l   | 97       |                       |
| 20) Methylene Chloride       | 4.710  | 84    | 110208   | 42.126   | ug/l # | 85       |                       |
| 21) trans-1,2-Dichloroethene | 5.210  | 96    | 84937    | 44.319   | ug/l   | 87       |                       |
| 22) Diisopropyl ether        | 6.112  | 45    | 323960   | 53.451   | ug/l # | 95       |                       |
| 23) Vinyl Acetate            | 6.057  | 43    | 1002804  | 280.079  | ug/l # | 93       |                       |
| 24) 1,1-Dichloroethane       | 6.015  | 63    | 186284   | 51.210   | ug/l   | 99       |                       |
| 25) 2-Butanone               | 6.984  | 43    | 200761   | 272.841  | ug/l # | 86       |                       |
| 26) 2,2-Dichloropropane      | 6.978  | 77    | 170917   | 48.861   | ug/l   | 96       |                       |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 117545   | 49.231   | ug/l   | 89       |                       |
| 28) Bromochloromethane       | 7.332  | 49    | 88811    | 51.834   | ug/l   | 83       |                       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 124692   | 275.906  | ug/l # | 83       |                       |
| 30) Chloroform               | 7.502  | 83    | 206341   | 52.431   | ug/l   | 99       |                       |
| 31) Cyclohexane              | 7.783  | 56    | 116668   | 44.639   | ug/l   | 91       |                       |
| 32) 1,1,1-Trichloroethane    | 7.697  | 97    | 175843   | 50.204   | ug/l   | 96       |                       |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 124469   | 45.672   | ug/l   | 97       |                       |
| 37) Ethyl Acetate            | 7.069  | 43    | 85383    | 54.241   | ug/l # | 94       |                       |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 151395   | 48.313   | ug/l   | 97       |                       |
| 39) Methylcyclohexane        | 9.179  | 83    | 132883   | 41.659   | ug/l   | 91       |                       |
| 40) Benzene                  | 8.161  | 78    | 390626   | 48.080   | ug/l   | 96       |                       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY093022\  
 Data File : VY010757.D  
 Acq On : 30 Sep 2022 18:09  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Oct 01 06:19:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa  
 Patel

Supervised By :Mahesh  
 Dadoda  
 10/05/2022

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 41779m   | 52.036   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 127287   | 50.878   | ug/l   |          |
| 43) Isopropyl Acetate         | 8.270  | 43   | 158748   | 55.017   | ug/l # | 91       |
| 44) Trichloroethene           | 8.935  | 130  | 109221   | 46.962   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 107907   | 51.341   | ug/l   | 93       |
| 46) Dibromomethane            | 9.301  | 93   | 62103    | 50.316   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 165756   | 54.389   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.289  | 41   | 72985    | 57.300   | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 18954    | 1044.312 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 476689   | 292.615  | ug/l   | 89       |
| 52) Toluene                   | 10.240 | 92   | 257896   | 48.514   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 160620   | 52.123   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 174848   | 50.892   | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 98399    | 54.200   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 128185   | 54.502   | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 159131   | 52.916   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 368800   | 274.782  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 327989   | 297.042  | ug/l   | 88       |
| 60) Dibromochloromethane      | 10.983 | 129  | 120364   | 54.176   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 86769    | 51.051   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 105925   | 45.663   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 296072   | 49.307   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 123725   | 52.888   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 523897   | 49.685   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 402373   | 98.505   | ug/l   | 95       |
| 69) o-Xylene                  | 12.026 | 106  | 199209   | 50.021   | ug/l   | 93       |
| 70) Styrene                   | 12.044 | 104  | 350393   | 51.792   | ug/l   | 96       |
| 71) Bromoform                 | 12.203 | 173  | 79525    | 54.745   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.325 | 105  | 548988   | 49.022   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 146792   | 54.053   | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 119659   | 52.435   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 86046m   | 49.752   | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 128196   | 48.111   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.666 | 91   | 655315   | 49.126   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 375372   | 49.387   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 464302   | 49.068   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 39829    | 51.204   | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 391956   | 49.940   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 428384   | 50.621   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 467538   | 49.735   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 626903   | 50.581   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 525418   | 50.729   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 267601   | 49.480   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 264827   | 49.475   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 485909   | 51.106   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.958 | 117  | 101051   | 50.815   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 243136   | 50.467   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 20499    | 53.831   | ug/l   | 82       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 145256   | 49.425   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 87688    | 49.090   | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 315069   | 53.205   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 129498   | 50.605   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY093022\  
 Data File : VY010757.D  
 Acq On : 30 Sep 2022 18:09  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa  
 Patel

Supervised By :Mahesh  
 Dadoda  
 10/05/2022

10/03/2022  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Oct 01 06:19:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

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

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

10/05/2022

