

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011723\  
 Data File : VY012213.D  
 Acq On : 17 Jan 2023 10:08  
 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 01/18/2023  
 Supervised By :Mahesh Dadoda 01/18/2023

Quant Time: Jan 18 00:30:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

01/18/2023  
 Supervised By :Mahesh  
 Dadoda

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 186140   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 281159   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 256897   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 129143   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 74957    | 48.461   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.920%  |
| 35) Dibromofluoromethane    | 7.722  | 113   | 68879    | 46.267   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 92.540%  |
| 50) Toluene-d8              | 10.179 | 98    | 258787   | 50.186   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 100.380% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 98488    | 46.929   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 93.860%  |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 76979  | 47.323  | ug/l   | 97  |
| 3) Chloromethane             | 2.113 | 50  | 69336  | 46.172  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.253 | 62  | 85096  | 48.549  | ug/l   | 98  |
| 5) Bromomethane              | 2.662 | 94  | 67687  | 49.948  | ug/l   | 94  |
| 6) Chloroethane              | 2.802 | 64  | 57224  | 50.059  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 173212 | 50.633  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.540 | 74  | 46297  | 45.481  | ug/l   | 80  |
| 9) 1,1,2-Trichlorotrifluo... | 3.905 | 101 | 84983  | 51.042  | ug/l   | 94  |
| 10) Methyl Iodide            | 4.094 | 142 | 116808 | 46.165  | ug/l   | 94  |
| 11) Tert butyl alcohol       | 4.984 | 59  | 29580  | 156.974 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 3.881 | 96  | 86134  | 50.383  | ug/l   | 93  |
| 13) Acrolein                 | 3.741 | 56  | 12205  | 167.406 | ug/l   | 99  |
| 14) Allyl chloride           | 4.485 | 41  | 103639 | 49.029  | ug/l # | 82  |
| 15) Acrylonitrile            | 5.167 | 53  | 93002  | 209.165 | ug/l   | 99  |
| 16) Acetone                  | 3.960 | 43  | 123833 | 238.914 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.198 | 76  | 261481 | 49.449  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.485 | 43  | 46566  | 40.149  | ug/l # | 86  |
| 19) Methyl tert-butyl Ether  | 5.228 | 73  | 224602 | 47.129  | ug/l   | 95  |
| 20) Methylene Chloride       | 4.722 | 84  | 91718  | 40.794  | ug/l   | 89  |
| 21) trans-1,2-Dichloroethene | 5.222 | 96  | 95849  | 50.242  | ug/l   | 88  |
| 22) Diisopropyl ether        | 6.118 | 45  | 207296 | 49.190  | ug/l # | 89  |
| 23) Vinyl Acetate            | 6.064 | 43  | 616233 | 234.664 | ug/l # | 93  |
| 24) 1,1-Dichloroethane       | 6.021 | 63  | 146892 | 50.253  | ug/l   | 98  |
| 25) 2-Butanone               | 6.990 | 43  | 126804 | 221.602 | ug/l # | 87  |
| 26) 2,2-Dichloropropane      | 6.984 | 77  | 162964 | 51.357  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.990 | 96  | 105870 | 50.522  | ug/l   | 94  |
| 28) Bromochloromethane       | 7.338 | 49  | 27402  | 42.924  | ug/l # | 70  |
| 29) Tetrahydrofuran          | 7.350 | 42  | 63651  | 202.509 | ug/l # | 81  |
| 30) Chloroform               | 7.508 | 83  | 179140 | 51.917  | ug/l   | 100 |
| 31) Cyclohexane              | 7.789 | 56  | 131954 | 48.621  | ug/l   | 89  |
| 32) 1,1,1-Trichloroethane    | 7.703 | 97  | 177430 | 51.941  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 130252 | 51.480  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.076 | 43  | 48847  | 43.794  | ug/l # | 97  |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 170655 | 52.225  | ug/l   | 95  |
| 39) Methylcyclohexane        | 9.185 | 83  | 162197 | 52.458  | ug/l   | 93  |
| 40) Benzene                  | 8.167 | 78  | 370496 | 50.735  | ug/l   | 100 |

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 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 01/18/2023  
 Supervised By :Mahesh Dadoda 01/18/2023

Quant Time: Jan 18 00:30:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

01/18/2023  
 Supervised By :Mahesh  
 Dadoda

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.325  | 41   | 30263m   | 46.159  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 114897   | 49.421  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 92206    | 44.433  | ug/l # | 92       |
| 44) Trichloroethene           | 8.941  | 130  | 111496   | 51.082  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 76655    | 50.306  | ug/l   | 97       |
| 46) Dibromomethane            | 9.307  | 93   | 50157    | 49.169  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 129855   | 50.570  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.295  | 41   | 42218    | 44.154  | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.319  | 88   | 11184    | 804.597 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 242349   | 219.016 | ug/l   | 96       |
| 52) Toluene                   | 10.246 | 92   | 250342   | 51.487  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 131411   | 48.925  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 144429   | 49.930  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 69662    | 48.065  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 91090    | 47.907  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 115781   | 48.916  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 137531   | 218.597 | ug/l # | 89       |
| 59) 2-Hexanone                | 10.837 | 43   | 195956   | 232.599 | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.989 | 129  | 95276    | 49.564  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 67182    | 48.038  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 126946   | 54.154  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.520 | 112  | 266180   | 50.641  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 102108   | 51.466  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 485683   | 51.702  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 387671   | 104.375 | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 183685   | 51.777  | ug/l   | 98       |
| 70) Styrene                   | 12.050 | 104  | 307053   | 51.801  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 61215    | 48.293  | ug/l   | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 492232   | 52.858  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.148 | 43   | 83035    | 45.487  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 67515    | 46.029  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 53541m   | 45.087  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 115309   | 51.458  | ug/l   | 90       |
| 78) n-propylbenzene           | 12.672 | 91   | 573598   | 52.637  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 321762   | 52.223  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.818 | 105  | 428952   | 52.987  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 26778    | 46.462  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 334576   | 51.697  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.081 | 119  | 369041   | 52.304  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 424143   | 53.127  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 525951   | 52.356  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 468022   | 53.324  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 227592   | 51.067  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 224329   | 50.472  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.702 | 91   | 399497   | 52.523  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.965 | 117  | 82090    | 51.809  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 200840   | 50.505  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 13242    | 43.684  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 127517   | 50.045  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 81098    | 52.863  | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 238041   | 47.331  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 107629   | 49.086  | ug/l   | 100      |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Quant Time: Jan 18 00:30:02 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 01/18/2023  
Supervised By :Mahesh Dadoda 01/18/2023

01/18/2023  
Supervised By :Mahesh  
Dadoda

01/18/2023

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

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

