

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022123\  
 Data File : VY012675.D  
 Acq On : 21 Feb 2023 15:38  
 Operator : KP/MD  
 Sample : VSTDIC010  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC010

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 02/22/2023  
 Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 01:05:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:01:34 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 118944     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 188166     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 167410     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 80409      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 14395      | 10.247   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 20.500%# |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 13157      | 10.352   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 20.700%# |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 49516      | 10.399   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 20.800%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 15342      | 10.069   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 20.140%# |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 12332      | 10.085   | ug/l   | 100      |
| 3) Chloromethane             | 2.113          | 50   | 18048      | 9.377    | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.253          | 62   | 13772      | 10.193   | ug/l   | 100      |
| 5) Bromomethane              | 2.656          | 94   | 7472       | 10.097   | ug/l   | 88       |
| 6) Chloroethane              | 2.796          | 64   | 8888       | 10.333   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 21729      | 9.977    | ug/l   | 100      |
| 8) Diethyl Ether             | 3.527          | 74   | 8066       | 10.344   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899          | 101  | 13289      | 10.210   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.088          | 142  | 16693      | 9.795    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 8600       | 55.965   | ug/l # | 90       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 12769      | 10.162   | ug/l   | 89       |
| 13) Acrolein                 | 3.729          | 56   | 9313       | 47.967   | ug/l   | 97       |
| 14) Allyl chloride           | 4.479          | 41   | 24101      | 9.883    | ug/l   | 100      |
| 15) Acrylonitrile            | 5.161          | 53   | 20647      | 49.769   | ug/l   | 99       |
| 16) Acetone                  | 3.948          | 43   | 22071      | 48.149   | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.198          | 76   | 44099      | 10.429   | ug/l   | 96       |
| 18) Methyl Acetate           | 4.479          | 43   | 15253      | 10.330   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 33155      | 9.809    | ug/l   | 96       |
| 20) Methylene Chloride       | 4.716          | 84   | 20145      | 9.189    | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.216          | 96   | 14066      | 10.291   | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.118          | 45   | 47427      | 10.422   | ug/l   | 100      |
| 23) Vinyl Acetate            | 6.064          | 43   | 139498     | 49.495   | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 25524      | 10.115   | ug/l   | 100      |
| 25) 2-Butanone               | 6.984          | 43   | 29372      | 48.278   | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 22721      | 10.322   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.990          | 96   | 15378      | 10.283   | ug/l   | 100      |
| 28) Bromochloromethane       | 7.338          | 49   | 10722      | 10.611   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 17850      | 48.057   | ug/l   | 99       |
| 30) Chloroform               | 7.508          | 83   | 25051      | 10.246   | ug/l   | 93       |
| 31) Cyclohexane              | 7.783          | 56   | 25331      | 10.379   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.704          | 97   | 22276      | 10.064   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 20360      | 10.107   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.076          | 43   | 13073      | 9.617    | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 20053      | 9.627    | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.185          | 83   | 21746      | 9.358    | ug/l   | 95       |
| 40) Benzene                  | 8.161          | 78   | 57549      | 10.234   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022123\  
 Data File : VY012675.D  
 Acq On : 21 Feb 2023 15:38  
 Operator : KP/MD  
 Sample : VSTDICC010  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC010

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 02/22/2023  
 Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 01:05:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:01:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 6188     | 9.345   | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 17894    | 10.262  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 22320    | 9.502   | ug/l # | 91       |
| 44) Trichloroethene           | 8.941  | 130  | 14540    | 10.001  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 14648    | 10.127  | ug/l   | 98       |
| 46) Dibromomethane            | 9.307  | 93   | 8099     | 10.143  | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.496  | 83   | 19914    | 10.360  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.295  | 41   | 9750     | 8.895   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 1812m    | 204.334 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 60848    | 48.021  | ug/l   | 96       |
| 52) Toluene                   | 10.246 | 92   | 33857    | 10.162  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 19868    | 9.891   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 22750    | 10.009  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 11184    | 10.312  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 13785    | 9.307   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 19221    | 10.084  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 35917    | 41.865  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.831 | 43   | 42264    | 47.050  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.983 | 129  | 13260    | 10.092  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 10377    | 9.987   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 12119    | 9.954   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.520 | 112  | 36579    | 10.189  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 13569    | 10.199  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 62335    | 9.714   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 48098    | 19.649  | ug/l   | 98       |
| 69) o-Xylene                  | 12.032 | 106  | 21626    | 9.538   | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 36839    | 9.694   | ug/l   | 98       |
| 71) Bromoform                 | 12.209 | 173  | 8338     | 9.821   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.331 | 105  | 57870    | 9.739   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 18222    | 9.329   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 13930    | 10.426  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 10570m   | 10.906  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 14466    | 10.160  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.672 | 91   | 73334    | 9.867   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 41797    | 10.122  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 48302    | 9.731   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 4866     | 10.284  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 42845    | 10.005  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 40604    | 9.580   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 47388    | 9.766   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.257 | 105  | 62649    | 9.715   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 51825    | 9.758   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 28108    | 10.079  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 28503    | 10.079  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 49216    | 9.676   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.965 | 117  | 10659    | 9.889   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 24927    | 10.008  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 2193     | 9.985   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 15088    | 9.579   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 9299     | 9.782   | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 28511    | 8.958   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 13231    | 9.490   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022123\  
Data File : VY012675.D  
Acq On : 21 Feb 2023 15:38  
Operator : KP/MD  
Sample : VSTDICC010  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 02/22/2023  
Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 01:05:13 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 22 01:01:34 2023  
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022123\  
 Data File : VY012675.D  
 Acq On : 21 Feb 2023 15:38  
 Operator : KP/MD  
 Sample : VSTDIC010  
 Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDIC010

Quant Time: Feb 22 01:05:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:01:34 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/22/2023  
 Supervised By :Mahesh Dadoda 02/22/2023

