

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052622\  
 Data File : VY009117.D  
 Acq On : 26 May 2022 15:44  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 05/27/2022  
 Supervised By :Mahesh Dadoda 05/27/2022

Quant Time: May 27 03:24:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 90864      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 144878     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 143646     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 91628      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.143          | 65   | 45633      | 48.797   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 97.600%  |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 47833      | 53.094   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 106.180% |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 158766     | 47.769   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 95.540%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 75683      | 56.450   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 112.900% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 39930      | 48.047   | ug/l   | 100      |
| 3) Chloromethane             | 2.113          | 50   | 72257      | 60.690   | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.253          | 62   | 101165     | 57.353   | ug/l   | 100      |
| 5) Bromomethane              | 2.644          | 94   | 84941      | 49.126   | ug/l   | 97       |
| 6) Chloroethane              | 2.790          | 64   | 69780      | 55.841   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 76574      | 51.119   | ug/l   | 90       |
| 8) Diethyl Ether             | 3.528          | 74   | 21931      | 46.822   | ug/l   | 82       |
| 9) 1,1,2-Trichlorotrifluo... | 3.900          | 101  | 46558      | 50.571   | ug/l   | 94       |
| 10) Methyl Iodide            | 4.089          | 142  | 43411      | 45.664   | ug/l   | 93       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 17337      | 182.773  | ug/l # | 89       |
| 12) 1,1-Dichloroethene       | 3.869          | 96   | 40870      | 47.821   | ug/l   | 88       |
| 13) Acrolein                 | 3.723          | 56   | 3097       | 99.192   | ug/l   | 93       |
| 14) Allyl chloride           | 4.479          | 41   | 61765      | 47.955   | ug/l # | 83       |
| 15) Acrylonitrile            | 5.155          | 53   | 56916      | 217.024  | ug/l   | 98       |
| 16) Acetone                  | 3.948          | 43   | 40567      | 208.400  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.192          | 76   | 134069     | 48.017   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.473          | 43   | 25041      | 41.310   | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 114823     | 44.761   | ug/l   | 97       |
| 20) Methylene Chloride       | 4.710          | 84   | 62914      | 59.363   | ug/l   | 84       |
| 21) trans-1,2-Dichloroethene | 5.216          | 96   | 51916      | 47.327   | ug/l   | 88       |
| 22) Diisopropyl ether        | 6.113          | 45   | 147031     | 47.517   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.058          | 43   | 476640     | 232.868  | ug/l # | 93       |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 89101      | 48.143   | ug/l   | 97       |
| 25) 2-Butanone               | 6.984          | 43   | 72567      | 208.716  | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 84769      | 49.722   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 57932      | 46.848   | ug/l   | 91       |
| 28) Bromochloromethane       | 7.332          | 49   | 33096      | 52.099   | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 49855      | 211.094  | ug/l # | 88       |
| 30) Chloroform               | 7.503          | 83   | 95504      | 47.804   | ug/l   | 99       |
| 31) Cyclohexane              | 7.783          | 56   | 81360      | 44.472   | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 7.704          | 97   | 85942      | 47.416   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 76437      | 49.855   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.070          | 43   | 35008      | 44.019   | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 79727      | 49.710   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.179          | 83   | 96359      | 48.691   | ug/l   | 89       |
| 40) Benzene                  | 8.161          | 78   | 219344     | 49.613   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052622\  
 Data File : VY009117.D  
 Acq On : 26 May 2022 15:44  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 27 03:24:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/27/2022  
 Supervised By :Mahesh Dadoda 05/27/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.314  | 41   | 15465m   | 37.683  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 62765    | 48.347  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 67564    | 45.689  | ug/l # | 89       |
| 44) Trichloroethene           | 8.935  | 130  | 56754    | 48.482  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 52564    | 49.515  | ug/l   | 95       |
| 46) Dibromomethane            | 9.301  | 93   | 32412    | 48.017  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.496  | 83   | 76055    | 49.301  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 31841    | 48.221  | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.289  | 88   | 7513     | 832.620 | ug/l   | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 185760   | 226.976 | ug/l   | 94       |
| 52) Toluene                   | 10.246 | 92   | 148851   | 48.177  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 79447    | 48.497  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 85755    | 48.694  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 43511    | 46.074  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 55080    | 45.620  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 72697    | 47.191  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 123145   | 235.754 | ug/l   | 96       |
| 59) 2-Hexanone                | 10.831 | 43   | 126322   | 225.437 | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.984 | 129  | 52907    | 46.216  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 42021    | 44.904  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 48621    | 46.503  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 152503   | 46.255  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 56459    | 46.767  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.593 | 91   | 291356   | 49.036  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 243337   | 100.885 | ug/l   | 91       |
| 69) o-Xylene                  | 12.032 | 106  | 112621   | 50.280  | ug/l   | 89       |
| 70) Styrene                   | 12.044 | 104  | 194465   | 50.485  | ug/l   | 95       |
| 71) Bromoform                 | 12.209 | 173  | 35068    | 43.819  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 302877   | 44.206  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 72920    | 46.129  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 57885    | 41.013  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 41280m   | 41.952  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 65936    | 41.516  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.672 | 91   | 390756   | 49.364  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 205907   | 45.096  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 266761   | 46.452  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 19593    | 40.870  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 226202   | 46.318  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 235561   | 46.235  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 274107   | 48.082  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.252 | 105  | 376980   | 48.361  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 319234   | 49.110  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 157064   | 46.360  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 153397   | 45.067  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.697 | 91   | 295388   | 49.671  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 55959    | 45.937  | ug/l   | 83       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 136943   | 45.791  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 8102     | 36.975  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 68569    | 41.777  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 38657    | 43.213  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 131844   | 39.987  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 59618    | 41.800  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052622\  
Data File : VY009117.D  
Acq On : 26 May 2022 15:44  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 05/27/2022  
Supervised By :Mahesh Dadoda 05/27/2022

Quant Time: May 27 03:24:40 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
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\VY052622\  
Data File : VY009117.D  
Acq On : 26 May 2022 15:44  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: May 27 03:24:40 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 05/27/2022  
Supervised By :Mahesh Dadoda 05/27/2022

