

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080322\  
 Data File : VY009817.D  
 Acq On : 03 Aug 2022 13:34  
 Operator : KP/MD  
 Sample : VSTDICCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Aug 04 00:48:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080322S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 04 00:44:40 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.783  | 168   | 49046    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685  | 114   | 75903    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 76112    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 40671    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.137  | 65    | 19061    | 39.338   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 78.680%  |
| 35) Dibromofluoromethane     | 7.710  | 113   | 21167    | 45.738   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 91.480%  |
| 50) Toluene-d8               | 10.173 | 98    | 63568    | 39.302   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 125 | Recovery | =      | 78.600%  |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 34980    | 55.818   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 146 | Recovery | =      | 111.640% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900  | 85    | 22702    | 43.916   | ug/l   | 100      |
| 3) Chloromethane             | 2.107  | 50    | 33260    | 46.908   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.241  | 62    | 35598    | 47.882   | ug/l   | 100      |
| 5) Bromomethane              | 2.638  | 94    | 24136    | 47.910   | ug/l   | 100      |
| 6) Chloroethane              | 2.784  | 64    | 23367    | 48.311   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.113  | 101   | 48247    | 48.677   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.522  | 74    | 14184    | 47.565   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.881  | 101   | 25976    | 47.908   | ug/l   | 100      |
| 10) Methyl Iodide            | 4.076  | 142   | 32195    | 56.086   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 4.942  | 59    | 10808    | 212.282  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.857  | 96    | 23822    | 48.097   | ug/l   | 100      |
| 13) Acrolein                 | 3.711  | 56    | 1209     | 176.021  | ug/l   | 100      |
| 14) Allyl chloride           | 4.466  | 41    | 40659    | 48.922   | ug/l   | 100      |
| 15) Acrylonitrile            | 5.149  | 53    | 38546    | 243.490  | ug/l   | 100      |
| 16) Acetone                  | 3.936  | 43    | 32958    | 237.388  | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.180  | 76    | 73955    | 47.903   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.466  | 43    | 18166    | 43.857   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.216  | 73    | 63429    | 49.922   | ug/l   | 100      |
| 20) Methylene Chloride       | 4.698  | 84    | 30943    | 35.827   | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 5.210  | 96    | 27567    | 48.956   | ug/l   | 100      |
| 22) Diisopropyl ether        | 6.113  | 45    | 93497    | 50.809   | ug/l   | 100      |
| 23) Vinyl Acetate            | 6.052  | 43    | 302245   | 257.355  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.003  | 63    | 48588    | 48.785   | ug/l   | 100      |
| 25) 2-Butanone               | 6.972  | 43    | 53701    | 236.469  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 6.972  | 77    | 42784    | 46.212   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.978  | 96    | 31317    | 49.799   | ug/l   | 100      |
| 28) Bromochloromethane       | 7.326  | 49    | 19027    | 49.002   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.338  | 42    | 35185    | 240.558  | ug/l   | 100      |
| 30) Chloroform               | 7.496  | 83    | 51014    | 48.948   | ug/l   | 100      |
| 31) Cyclohexane              | 7.777  | 56    | 45182    | 48.686   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 7.698  | 97    | 44056    | 48.782   | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 7.911  | 75    | 38895    | 50.659   | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.064  | 43    | 23362    | 46.715   | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 7.893  | 117   | 40221    | 49.810   | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.179  | 83    | 45020    | 50.541   | ug/l   | 100      |
| 40) Benzene                  | 8.155  | 78    | 116300   | 49.935   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080322\  
 Data File : VY080322.D  
 Acq On : 03 Aug 2022 13:34  
 Operator : KP/MD  
 Sample : VSTDICCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Aug 04 00:48:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080322S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 04 00:44:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 10960m   | 21.812   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 33014    | 49.367   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.271  | 43   | 43368    | 49.771   | ug/l   | 100      |
| 44) Trichloroethene           | 8.935  | 130  | 30604    | 49.306   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.210  | 63   | 29601    | 50.859   | ug/l   | 100      |
| 46) Dibromomethane            | 9.301  | 93   | 17132    | 47.750   | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.490  | 83   | 38890    | 46.904   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.289  | 41   | 20153    | 50.458   | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.289  | 88   | 4182     | 1054.509 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 122042   | 248.306  | ug/l   | 100      |
| 52) Toluene                   | 10.240 | 92   | 72501    | 49.403   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 39780    | 48.948   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 45828    | 49.967   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 23202    | 48.264   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 10.508 | 69   | 30768    | 50.912   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 40203    | 49.241   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.777  | 63   | 73309    | 249.157  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.831 | 43   | 85263    | 250.375  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.984 | 129  | 27772    | 48.309   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 24593    | 52.428   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 29102    | 48.194   | ug/l   | 100      |
| 65) Chlorobenzene             | 11.514 | 112  | 86852    | 52.528   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 33216    | 54.145   | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.593 | 91   | 163178   | 56.836   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.697 | 106  | 127274   | 112.933  | ug/l   | 100      |
| 69) o-Xylene                  | 12.026 | 106  | 58989    | 58.578   | ug/l   | 100      |
| 70) Styrene                   | 12.044 | 104  | 104155   | 60.464   | ug/l   | 100      |
| 71) Bromoform                 | 12.203 | 173  | 20643    | 56.115   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.325 | 105  | 156116   | 55.264   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 49600    | 55.523   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 32785    | 51.493   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 22593m   | 29.855   | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 36449    | 51.390   | ug/l   | 100      |
| 78) n-propylbenzene           | 12.666 | 91   | 200695   | 56.307   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 108113   | 54.473   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 131713   | 55.270   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 11551    | 53.286   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 115149   | 55.003   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 114409   | 56.166   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 130770   | 55.660   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.252 | 105  | 167931   | 53.927   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 136872   | 54.199   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 70474    | 50.567   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 69953    | 49.312   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.697 | 91   | 133804   | 54.102   | ug/l   | 100      |
| 90) Hexachloroethane          | 13.959 | 117  | 27375    | 50.469   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 64445    | 50.521   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 4543     | 45.522   | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 34838    | 49.228   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 20310    | 48.995   | ug/l   | 100      |
| 95) Naphthalene               | 15.233 | 128  | 71002    | 50.534   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 31181    | 49.814   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080322\  
Data File : VY009817.D  
Acq On : 03 Aug 2022 13:34  
Operator : KP/MD  
Sample : VSTDICCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Quant Time: Aug 04 00:48:26 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080322S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 04 00:44:40 2022  
Response via : Initial Calibration

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

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

Quant Time: Aug 04 00:48:26 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080322S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 04 00:44:40 2022  
Response via : Initial Calibration

