

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061224\  
 Data File : VY018574.D  
 Acq On : 12 Jun 2024 17:16  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jun 13 00:57:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 07:11:56 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.783  | 168   | 41256    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685  | 114   | 66725    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.483 | 117   | 65126    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 49741    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.130  | 65    | 38147    | 47.083   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 94.160%  |
| 35) Dibromofluoromethane     | 7.710  | 113   | 36279    | 42.877   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 85.760%  |
| 50) Toluene-d8               | 10.173 | 98    | 147143   | 43.713   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =      | 87.420%  |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 48779    | 46.543   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =      | 93.080%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900  | 85    | 21137    | 32.260   | ug/l   | 98       |
| 3) Chloromethane             | 2.101  | 50    | 83551    | 68.377   | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.235  | 62    | 95676    | 65.461   | ug/l   | 100      |
| 5) Bromomethane              | 2.637  | 94    | 56628    | 58.074   | ug/l   | 98       |
| 6) Chloroethane              | 2.778  | 64    | 59909    | 64.921   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.101  | 101   | 81635    | 53.983   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.515  | 74    | 22176    | 48.738   | ug/l   | 77       |
| 9) 1,1,2-Trichlorotrifluo... | 3.881  | 101   | 40391    | 45.870   | ug/l   | 90       |
| 10) Methyl Iodide            | 4.076  | 142   | 40484    | 46.807   | ug/l   | 93       |
| 11) Tert butyl alcohol       | 4.979  | 59    | 15250    | 137.414  | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 3.857  | 96    | 39150    | 45.234   | ug/l   | 87       |
| 13) Acrolein                 | 3.717  | 56    | 16098    | 194.113  | ug/l   | 97       |
| 14) Allyl chloride           | 4.460  | 41    | 73660    | 58.112   | ug/l # | 89       |
| 15) Acrylonitrile            | 5.143  | 53    | 54610    | 262.443  | ug/l   | 98       |
| 16) Acetone                  | 3.948  | 43    | 47881    | 266.265  | ug/l # | 80       |
| 17) Carbon Disulfide         | 4.180  | 76    | 109886   | 43.280   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.460  | 43    | 24692    | 54.911   | ug/l   | 90       |
| 19) Methyl tert-butyl Ether  | 5.210  | 73    | 108881   | 52.198   | ug/l   | 96       |
| 20) Methylene Chloride       | 4.698  | 84    | 59091    | 61.617   | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.210  | 96    | 45257    | 49.000   | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.106  | 45    | 164859   | 63.865   | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.045  | 43    | 514521   | 306.266  | ug/l # | 91       |
| 24) 1,1-Dichloroethane       | 6.003  | 63    | 89776    | 55.758   | ug/l   | 98       |
| 25) 2-Butanone               | 6.978  | 43    | 77587    | 281.640  | ug/l # | 82       |
| 26) 2,2-Dichloropropane      | 6.966  | 77    | 70627    | 49.909   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 6.972  | 96    | 55315    | 51.485   | ug/l   | 87       |
| 28) Bromochloromethane       | 7.326  | 49    | 38587    | 52.079   | ug/l # | 70       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 50935    | 284.699  | ug/l # | 81       |
| 30) Chloroform               | 7.496  | 83    | 89181    | 55.225   | ug/l   | 97       |
| 31) Cyclohexane              | 7.777  | 56    | 77460    | 51.277   | ug/l   | 89       |
| 32) 1,1,1-Trichloroethane    | 7.691  | 97    | 74209    | 52.467   | ug/l # | 94       |
| 36) 1,1-Dichloropropene      | 7.905  | 75    | 64877    | 50.287   | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.063  | 43    | 34280    | 53.188   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.886  | 117   | 61202    | 47.340   | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.179  | 83    | 82334    | 47.208   | ug/l   | 92       |
| 40) Benzene                  | 8.155  | 78    | 201447   | 52.113   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061224\  
 Data File : VY018574.D  
 Acq On : 12 Jun 2024 17:16  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jun 13 00:57:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 07:11:56 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 18858    | 60.154   | ug/l # | 83       |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 51958    | 55.287   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.264  | 43   | 69483    | 57.657   | ug/l # | 77       |
| 44) Trichloroethene           | 8.929  | 130  | 45705    | 47.712   | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 49602    | 56.109   | ug/l   | 99       |
| 46) Dibromomethane            | 9.301  | 93   | 25571    | 50.451   | ug/l # | 88       |
| 47) Bromodichloromethane      | 9.490  | 83   | 63622    | 52.292   | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.289  | 41   | 32885    | 59.310   | ug/l # | 80       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 6747     | 1013.676 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 189159   | 302.283  | ug/l   | 87       |
| 52) Toluene                   | 10.240 | 92   | 129693   | 54.550   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 62786    | 56.194   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 72352    | 52.593   | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.636 | 97   | 35794    | 54.281   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.502 | 69   | 52066    | 56.109   | ug/l # | 76       |
| 57) 1,3-Dichloropropane       | 10.782 | 76   | 63142    | 56.404   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 126329   | 253.517  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.825 | 43   | 134316   | 310.607  | ug/l   | 86       |
| 60) Dibromochloromethane      | 10.977 | 129  | 40637    | 50.442   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 32077    | 51.657   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 42938    | 44.760   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.508 | 112  | 131466   | 47.072   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 42751    | 47.339   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.587 | 91   | 254527   | 50.070   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.697 | 106  | 191382   | 99.982   | ug/l   | 95       |
| 69) o-Xylene                  | 12.026 | 106  | 90560    | 49.147   | ug/l   | 95       |
| 70) Styrene                   | 12.038 | 104  | 157668   | 52.370   | ug/l   | 97       |
| 71) Bromoform                 | 12.209 | 173  | 21032    | 44.208   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 241873   | 47.122   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 66949    | 53.584   | ug/l   | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.575 | 83   | 44039    | 48.739   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 33544m   | 54.384   | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 46753    | 42.899   | ug/l   | 83       |
| 78) n-propylbenzene           | 12.666 | 91   | 298721   | 48.489   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 162100   | 48.400   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 192751   | 48.215   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 13098    | 44.615   | ug/l # | 86       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 169449   | 50.278   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.069 | 119  | 169841   | 45.943   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 195024   | 49.829   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 267364   | 49.109   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 217603   | 49.523   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 105693   | 49.164   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 101477   | 48.048   | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.690 | 91   | 215107   | 51.517   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 38017    | 46.161   | ug/l   | 81       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 89036    | 47.594   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.349 | 75   | 6473     | 47.077   | ug/l   | 74       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 44940    | 44.419   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 21650    | 40.291   | ug/l   | 96       |
| 95) Naphthalene               | 15.233 | 128  | 94107    | 46.314   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 37698    | 44.039   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061224\  
Data File : VY018574.D  
Acq On : 12 Jun 2024 17:16  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Jun 13 00:57:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 04 07:11:56 2024  
Response via : Initial Calibration

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

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

