

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021224\  
 Data File : VY017365.D  
 Acq On : 12 Feb 2024 19:52  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/13/2024  
 Supervised By :Mahesh Dadoda 02/13/2024

Quant Time: Feb 13 01:31:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.795          | 168  | 118302     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.697          | 114  | 200950     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.502         | 117  | 172516     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.434         | 152  | 79107      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.149          | 65   | 43588      | 41.244  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 82.480% |        |          |
| 35) Dibromofluoromethane     | 7.728          | 113  | 47521      | 43.798  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 87.600% |        |          |
| 50) Toluene-d8               | 10.191         | 98   | 170883     | 43.257  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 86.520% |        |          |
| 62) 4-Bromofluorobenzene     | 12.489         | 95   | 55560      | 42.934  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 85.860% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 32186      | 35.889  | ug/l   | 97       |
| 3) Chloromethane             | 2.113          | 50   | 60878      | 37.787  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.253          | 62   | 70461      | 35.889  | ug/l   | 99       |
| 5) Bromomethane              | 2.656          | 94   | 52374      | 38.484  | ug/l   | 98       |
| 6) Chloroethane              | 2.796          | 64   | 47858      | 37.753  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 81223      | 40.232  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.534          | 74   | 26345      | 41.486  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899          | 101  | 50065      | 40.909  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.095          | 142  | 46889      | 36.445  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 4.966          | 59   | 16005      | 174.980 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 46375      | 40.442  | ug/l   | 98       |
| 13) Acrolein                 | 3.735          | 56   | 16273      | 182.677 | ug/l   | 97       |
| 14) Allyl chloride           | 4.485          | 41   | 70257      | 40.527  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.174          | 53   | 59123      | 206.784 | ug/l   | 100      |
| 16) Acetone                  | 3.954          | 43   | 50982      | 164.130 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.198          | 76   | 119523     | 32.652  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.479          | 43   | 31231      | 45.070  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.228          | 73   | 114558     | 41.480  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.722          | 84   | 58967      | 46.076  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 5.228          | 96   | 52626      | 40.341  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.125          | 45   | 165667     | 43.516  | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.070          | 43   | 466474     | 202.222 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.027          | 63   | 98516      | 42.243  | ug/l   | 98       |
| 25) 2-Butanone               | 6.990          | 43   | 74780      | 181.096 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 77191      | 39.792  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.996          | 96   | 62203      | 42.633  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.344          | 49   | 36401      | 40.764  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.362          | 42   | 46640      | 199.946 | ug/l   | 100      |
| 30) Chloroform               | 7.515          | 83   | 100996     | 43.049  | ug/l   | 99       |
| 31) Cyclohexane              | 7.789          | 56   | 76804      | 36.055  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 7.710          | 97   | 85278      | 42.259  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.923          | 75   | 74266      | 39.681  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.082          | 43   | 32915      | 37.919  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.911          | 117  | 75740      | 42.267  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.191          | 83   | 83119      | 38.015  | ug/l   | 96       |
| 40) Benzene                  | 8.167          | 78   | 223350     | 41.790  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021224\  
 Data File : VY017365.D  
 Acq On : 12 Feb 2024 19:52  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/13/2024  
 Supervised By :Mahesh Dadoda 02/13/2024

Quant Time: Feb 13 01:31:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 16170    | 39.317  | ug/l   | 87       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 58282    | 41.186  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 62610    | 40.745  | ug/l   | 99       |
| 44) Trichloroethene           | 8.947  | 130  | 57682    | 42.517  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 57010    | 43.427  | ug/l   | 99       |
| 46) Dibromomethane            | 9.313  | 93   | 29434    | 41.507  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.502  | 83   | 75757    | 42.687  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.301  | 41   | 30053    | 41.696  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 6594     | 854.302 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 171375   | 208.054 | ug/l   | 100      |
| 52) Toluene                   | 10.252 | 92   | 137545   | 42.636  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 69747    | 41.840  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 85544    | 42.843  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 41260    | 42.764  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 50112    | 39.288  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.795 | 76   | 70700    | 42.604  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 128859   | 214.383 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.837 | 43   | 115223   | 193.449 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.990 | 129  | 48698    | 43.024  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 38104    | 42.464  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.727 | 164  | 50713    | 45.263  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.526 | 112  | 144411   | 43.393  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 54799    | 45.310  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.599 | 91   | 265991   | 44.224  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.709 | 106  | 200393   | 87.795  | ug/l   | 100      |
| 69) o-Xylene                  | 12.038 | 106  | 94093    | 44.765  | ug/l   | 99       |
| 70) Styrene                   | 12.050 | 104  | 159057   | 45.927  | ug/l   | 99       |
| 71) Bromoform                 | 12.215 | 173  | 27733    | 43.786  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.337 | 105  | 252553   | 43.458  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.154 | 43   | 52574    | 40.262  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 46916    | 41.045  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 28996m   | 39.713  | ug/l   |          |
| 77) Bromobenzene              | 12.617 | 156  | 55154    | 42.786  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.678 | 91   | 307515   | 43.084  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 168875   | 43.036  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105  | 200600   | 43.402  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 13912    | 39.591  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 170709   | 42.269  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.087 | 119  | 178837   | 45.140  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.130 | 105  | 197389   | 43.267  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.264 | 105  | 268170   | 43.308  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.379 | 119  | 215574   | 43.566  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 107590   | 41.838  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.453 | 146  | 107036   | 42.843  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.703 | 91   | 202871   | 43.121  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.971 | 117  | 43818    | 43.135  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 94448    | 43.143  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 5880     | 39.493  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 47636    | 43.807  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 28509    | 44.515  | ug/l   | 99       |
| 95) Naphthalene               | 15.245 | 128  | 86957    | 40.692  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.434 | 180  | 40423    | 43.709  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021224\  
Data File : VY017365.D  
Acq On : 12 Feb 2024 19:52  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/13/2024  
Supervised By :Mahesh Dadoda 02/13/2024

Quant Time: Feb 13 01:31:29 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 02 00:56:04 2024  
Response via : Initial Calibration

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

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

