

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070522\  
 Data File : VY009428.D  
 Acq On : 05 Jul 2022 10:54  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jul 06 04:46:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 17:35:34 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : Semsettin  
 Yesilyurt

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.783  | 168   | 159773   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685  | 114   | 256010   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 238790   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 123473   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136  | 65    | 61310    | 47.909   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 95.820%  |
| 35) Dibromofluoromethane     | 7.710  | 113   | 69189    | 49.104   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 98.200%  |
| 50) Toluene-d8               | 10.173 | 98    | 216121   | 50.027   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 125 | Recovery | =      | 100.060% |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 107011   | 52.229   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 146 | Recovery | =      | 104.460% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.900  | 85    | 53359    | 40.566   | ug/l   | 97       |
| 3) Chloromethane             | 2.107  | 50    | 58295    | 40.731   | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.247  | 62    | 68377    | 41.300   | ug/l   | 99       |
| 5) Bromomethane              | 2.644  | 94    | 44902    | 42.265   | ug/l   | 97       |
| 6) Chloroethane              | 2.784  | 64    | 39192    | 44.397   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.119  | 101   | 93676    | 42.646   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.521  | 74    | 38337    | 44.669   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893  | 101   | 68087    | 43.242   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.082  | 142   | 83903    | 48.545   | ug/l   | 89       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 38598    | 171.524  | ug/l # | 93       |
| 12) 1,1-Dichloroethene       | 3.863  | 96    | 61357    | 42.720   | ug/l   | 92       |
| 13) Acrolein                 | 3.717  | 56    | 23478    | 219.817  | ug/l   | 96       |
| 14) Allyl chloride           | 4.473  | 41    | 119127   | 45.266   | ug/l   | 91       |
| 15) Acrylonitrile            | 5.149  | 53    | 115280   | 237.107  | ug/l   | 97       |
| 16) Acetone                  | 3.936  | 43    | 114737   | 273.000  | ug/l   | 91       |
| 17) Carbon Disulfide         | 4.186  | 76    | 157762   | 39.488   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.466  | 43    | 51953    | 47.574   | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.216  | 73    | 202891   | 47.103   | ug/l   | 98       |
| 20) Methylene Chloride       | 4.704  | 84    | 85347    | 43.595   | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.204  | 96    | 75704    | 44.026   | ug/l   | 86       |
| 22) Diisopropyl ether        | 6.112  | 45    | 275500   | 49.605   | ug/l   | 93       |
| 23) Vinyl Acetate            | 6.051  | 43    | 884489   | 254.224  | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.009  | 63    | 142564   | 45.656   | ug/l # | 98       |
| 25) 2-Butanone               | 6.978  | 43    | 167924   | 252.021  | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 6.978  | 77    | 131062   | 44.347   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 6.978  | 96    | 92701    | 46.404   | ug/l   | 90       |
| 28) Bromochloromethane       | 7.332  | 49    | 72525    | 54.091   | ug/l   | 92       |
| 29) Tetrahydrofuran          | 7.338  | 42    | 103782   | 242.944  | ug/l   | 95       |
| 30) Chloroform               | 7.502  | 83    | 147435   | 45.940   | ug/l   | 99       |
| 31) Cyclohexane              | 7.777  | 56    | 123648   | 42.957   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.698  | 97    | 128937   | 44.864   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.911  | 75    | 110927   | 45.025   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.064  | 43    | 69051    | 47.262   | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 7.893  | 117   | 113818   | 44.199   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.179  | 83    | 128870   | 44.197   | ug/l   | 92       |
| 40) Benzene                  | 8.155  | 78    | 328926   | 45.654   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070522\  
 Data File : VY009428.D  
 Acq On : 05 Jul 2022 10:54  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jul 06 04:46:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 17:35:34 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : Semsettin  
 Yesilyurt

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 35565m   | 43.088  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 95267    | 46.096  | ug/l   |          |
| 43) Isopropyl Acetate         | 8.271  | 43   | 126274   | 47.075  | ug/l # |          |
| 44) Trichloroethene           | 8.935  | 130  | 89418    | 44.668  | ug/l   |          |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 87937    | 48.185  | ug/l   |          |
| 46) Dibromomethane            | 9.301  | 93   | 48089    | 45.996  | ug/l   |          |
| 47) Bromodichloromethane      | 9.490  | 83   | 114239   | 46.140  | ug/l   |          |
| 48) Methyl methacrylate       | 9.289  | 41   | 55254    | 47.782  | ug/l # |          |
| 49) 1,4-Dioxane               | 9.295  | 88   | 13662    | 937.436 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 346319   | 250.404 | ug/l   |          |
| 52) Toluene                   | 10.240 | 92   | 216888   | 47.714  | ug/l   |          |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 123628   | 49.916  | ug/l   |          |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 138011   | 46.670  | ug/l   |          |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 70529    | 50.704  | ug/l   |          |
| 56) Ethyl methacrylate        | 10.508 | 69   | 96167    | 54.163  | ug/l # |          |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 117755   | 47.787  | ug/l   |          |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 265683   | 270.267 | ug/l   |          |
| 59) 2-Hexanone                | 10.831 | 43   | 254578   | 266.465 | ug/l   |          |
| 60) Dibromochloromethane      | 10.984 | 129  | 83441    | 47.401  | ug/l   |          |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 65838    | 47.145  | ug/l   |          |
| 64) Tetrachloroethene         | 10.715 | 164  | 94788    | 42.638  | ug/l   |          |
| 65) Chlorobenzene             | 11.514 | 112  | 234044   | 45.807  | ug/l   |          |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 88639    | 47.295  | ug/l   |          |
| 67) Ethyl Benzene             | 11.593 | 91   | 423506   | 47.780  | ug/l   |          |
| 68) m/p-Xylenes               | 11.703 | 106  | 329821   | 93.058  | ug/l   |          |
| 69) o-Xylene                  | 12.026 | 106  | 157239   | 47.011  | ug/l   |          |
| 70) Styrene                   | 12.044 | 104  | 266252   | 48.045  | ug/l   |          |
| 71) Bromoform                 | 12.209 | 173  | 57224    | 48.593  | ug/l # |          |
| 73) Isopropylbenzene          | 12.331 | 105  | 422905   | 46.371  | ug/l   |          |
| 74) N-amyl acetate            | 12.142 | 43   | 111788   | 46.729  | ug/l # |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 82065    | 46.453  | ug/l   |          |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 61839m   | 42.766  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 100490   | 46.223  | ug/l   |          |
| 78) n-propylbenzene           | 12.666 | 91   | 512634   | 46.209  | ug/l   |          |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 285637   | 45.614  | ug/l   |          |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 354282   | 46.453  | ug/l   |          |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 30525    | 47.002  | ug/l # |          |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 299746   | 46.062  | ug/l   |          |
| 83) tert-Butylbenzene         | 13.075 | 119  | 309808   | 48.349  | ug/l   |          |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 344938   | 47.595  | ug/l   |          |
| 85) sec-Butylbenzene          | 13.251 | 105  | 465288   | 48.211  | ug/l   |          |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 382991   | 47.191  | ug/l   |          |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 196101   | 45.657  | ug/l   |          |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 195103   | 44.144  | ug/l   |          |
| 89) n-Butylbenzene            | 13.696 | 91   | 359231   | 47.109  | ug/l   |          |
| 90) Hexachloroethane          | 13.959 | 117  | 74226    | 46.130  | ug/l   |          |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 177943   | 45.679  | ug/l   |          |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 13806    | 46.629  | ug/l   |          |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 104261   | 45.088  | ug/l   |          |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 56812    | 43.765  | ug/l   |          |
| 95) Naphthalene               | 15.233 | 128  | 214978   | 46.433  | ug/l   |          |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 90786    | 45.190  | ug/l   |          |

07/06/2022  
 Supervised By : Mahesh  
 Dadoda

07/06/2022

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070522\  
Data File : VY009428.D  
Acq On : 05 Jul 2022 10:54  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Manual Integrations  
APPROVED

Reviewed By :Semsettin  
Yesilyurt

Quant Time: Jul 06 04:46:33 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062822S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 29 17:35:34 2022  
Response via : Initial Calibration

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

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

07/06/2022  
Supervised By :Mahesh  
Dadoda

07/06/2022

