

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090821\  
 Data File : VY005958.D  
 Acq On : 08 Sep 2021 11:51  
 Operator : SY/MD  
 Sample : VY0908SBS01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0908SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2021 10:49:39 AM

Quant Time: Sep 09 04:51:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y083121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 01 05:32:43 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.795  | 168   | 241692   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 340992   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.496 | 117   | 317400   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 171817   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 108708   | 44.633   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 89.260%  |
| 35) Dibromofluoromethane     | 7.722  | 113   | 98552    | 51.463   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 102.920% |
| 50) Toluene-d8               | 10.185 | 98    | 403716   | 50.232   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 100.460% |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 139941   | 51.856   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 103.720% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 48935    | 22.676   | ug/l   | 96       |
| 3) Chloromethane             | 2.119  | 50    | 46324    | 20.267   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.260  | 62    | 59042    | 19.874   | ug/l   | 100      |
| 5) Bromomethane              | 2.644  | 94    | 44080    | 21.991   | ug/l   | 99       |
| 6) Chloroethane              | 2.796  | 64    | 33212    | 18.696   | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 3.131  | 101   | 76845    | 20.250   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.540  | 74    | 25628    | 19.839   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.906  | 101   | 42931    | 21.009   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.101  | 142   | 45517    | 17.725   | ug/l   | 96       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 58078    | 121.263  | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 3.881  | 96    | 42938    | 20.696   | ug/l   | 92       |
| 13) Acrolein                 | 3.735  | 56    | 9627     | 101.560  | ug/l   | 99       |
| 14) Allyl chloride           | 4.485  | 41    | 66480    | 19.053   | ug/l   | 95       |
| 15) Acrylonitrile            | 5.168  | 53    | 63221    | 96.773   | ug/l   | 99       |
| 16) Acetone                  | 3.954  | 43    | 54832    | 88.291   | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.198  | 76    | 133452   | 20.138   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.485  | 43    | 32221    | 18.687   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.228  | 73    | 125397   | 20.133   | ug/l   | 98       |
| 20) Methylene Chloride       | 4.722  | 84    | 51914    | 18.731   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 48314    | 20.871   | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.125  | 45    | 138059   | 19.474   | ug/l   | 93       |
| 23) Vinyl Acetate            | 6.070  | 43    | 413743   | 96.170   | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.027  | 63    | 80282    | 19.852   | ug/l   | 97       |
| 25) 2-Butanone               | 6.996  | 43    | 82637    | 94.190   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 6.990  | 77    | 75464    | 19.945   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.990  | 96    | 54114    | 20.803   | ug/l   | 96       |
| 28) Bromochloromethane       | 7.338  | 49    | 31127    | 18.672   | ug/l   | 92       |
| 29) Tetrahydrofuran          | 7.356  | 42    | 53596    | 94.282   | ug/l   | 97       |
| 30) Chloroform               | 7.509  | 83    | 84200    | 20.290   | ug/l   | 98       |
| 31) Cyclohexane              | 7.789  | 56    | 77983    | 18.983   | ug/l # | 90       |
| 32) 1,1,1-Trichloroethane    | 7.704  | 97    | 79549    | 20.588   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 7.923  | 75    | 66008    | 20.560   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.082  | 43    | 36284    | 18.871   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.905  | 117   | 73250    | 21.049   | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.185  | 83    | 84164    | 20.697   | ug/l   | 96       |
| 40) Benzene                  | 8.167  | 78    | 190744   | 21.029   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090821\  
 Data File : VY005958.D  
 Acq On : 08 Sep 2021 11:51  
 Operator : SY/MD  
 Sample : VY0908SBS01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0908SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2021 10:49:39 AM

Quant Time: Sep 09 04:51:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y083121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 01 05:32:43 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.332  | 41   | 21654m   | 20.224  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 57488    | 19.512  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 68709    | 19.674  | ug/l   | 96       |
| 44) Trichloroethene           | 8.941  | 130  | 54909    | 21.586  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 47008    | 21.121  | ug/l   | 99       |
| 46) Dibromomethane            | 9.307  | 93   | 27294    | 21.310  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.502  | 83   | 66241    | 21.281  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.295  | 41   | 30875    | 19.235  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 7505     | 425.474 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 184948   | 98.289  | ug/l   | 98       |
| 52) Toluene                   | 10.246 | 92   | 123144   | 21.065  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 71555    | 20.732  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 79650    | 21.033  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 39910    | 21.755  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 55897    | 21.050  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 10.795 | 76   | 67453    | 21.209  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 141295   | 103.088 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.837 | 43   | 128511   | 97.758  | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.984 | 129  | 50373    | 22.365  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 39687    | 22.711  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 55727    | 21.443  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.520 | 112  | 137000   | 21.512  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 52193    | 21.892  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 237399   | 20.852  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 189864   | 42.292  | ug/l   | 100      |
| 69) o-Xylene                  | 12.032 | 106  | 91334    | 21.670  | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 152579   | 21.223  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 34831    | 22.159  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 236728   | 20.671  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 61520    | 18.724  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 45999    | 21.106  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 31641m   | 19.675  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 61639    | 21.369  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 282681   | 20.654  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 161945   | 21.255  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 201135   | 20.963  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 17017    | 20.124  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 167167   | 20.912  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 175797   | 20.962  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 198427   | 20.849  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.258 | 105  | 260343   | 21.062  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 223367   | 20.855  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 121240   | 21.602  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 121691   | 21.706  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 199742   | 20.844  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 41458    | 21.329  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 107148   | 21.530  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 8209     | 20.083  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 73926    | 22.006  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 46907    | 21.677  | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 137590   | 21.319  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 65396    | 22.298  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090821\  
Data File : VY005958.D  
Acq On : 08 Sep 2021 11:51  
Operator : SY/MD  
Sample : VY0908SBS01  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0908SBS01

Manual Integrations  
APPROVED

MMDadoda  
9/10/2021 10:49:39 AM

Quant Time: Sep 09 04:51:29 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y083121S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 01 05:32:43 2021  
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\VY090821\  
Data File : VY005958.D  
Acq On : 08 Sep 2021 11:51  
Operator : SY/MD  
Sample : VY0908SBS01  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0908SBS01

Manual Integrations  
APPROVED

MMDadoda  
9/10/2021 10:49:39 AM

Quant Time: Sep 09 04:51:29 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y083121S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 01 05:32:43 2021  
Response via : Initial Calibration

