

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101922\  
 Data File : VY011008.D  
 Acq On : 19 Oct 2022 12:48  
 Operator : KP/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Oct 20 05:13:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc      | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|-----------|-------------|----------|
| -----                       |        |       |          |           |             |          |
| Internal Standards          |        |       |          |           |             |          |
| 1) Pentafluorobenzene       | 7.777  | 168   | 268      | 50.000    | ug/l        | #-0.01   |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 1026     | 50.000    | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 1923     | 50.000    | ug/l        | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 2269     | 50.000    | ug/l        | 0.00     |
| System Monitoring Compounds |        |       |          |           |             |          |
| 33) 1,2-Dichloroethane-d4   | 8.118  | 65    | 135      | 54.685    | ug/l        | -0.02    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery  | = 109.380%  |          |
| 35) Dibromofluoromethane    | 7.722  | 113   | 23       | 1.951     | ug/l        | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery  | = 3.900%#   |          |
| 50) Toluene-d8              | 10.173 | 98    | 1159     | 54.101    | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery  | = 108.200%  |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 1058     | 145.273   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery  | = 290.540%# |          |
| Target Compounds            |        |       |          |           |             |          |
|                             |        |       |          |           | Qvalue      |          |
| 2) Dichlorodifluoromethane  | 1.906  | 85    | 923      | 519.218   | ug/l        | 99       |
| 3) Chloromethane            | 2.113  | 50    | 825      | 323.482   | ug/l #      | 73       |
| 4) Vinyl Chloride           | 2.290  | 62    | 23       | 7.957     | ug/l #      | 43       |
| 5) Bromomethane             | 2.656  | 94    | 631      | 315.606   | ug/l        | 86       |
| 6) Chloroethane             | 2.753  | 64    | 22       | 11.389    | ug/l #      | 43       |
| 7) Trichlorofluoromethane   | 3.131  | 101   | 420      | 99.268    | ug/l        | 95       |
| 10) Methyl Iodide           | 4.107  | 142   | 1034     | 318.406   | ug/l #      | 81       |
| 11) Tert butyl alcohol      | 4.960  | 59    | 2118     | 8321.756  | ug/l #      | 81       |
| 12) 1,1-Dichloroethene      | 3.881  | 96    | 19       | 7.474     | ug/l #      | 1        |
| 13) Acrolein                | 3.686  | 56    | 29       | 72.868    | ug/l #      | 14       |
| 14) Allyl chloride          | 4.497  | 41    | 26       | 6.449     | ug/l #      | 74       |
| 15) Acrylonitrile           | 5.174  | 53    | 19       | 23.086    | ug/l #      | 17       |
| 16) Acetone                 | 3.948  | 43    | 14589    | 20350.223 | ug/l #      | 89       |
| 17) Carbon Disulfide        | 4.198  | 76    | 102      | 13.686    | ug/l #      | 75       |
| 18) Methyl Acetate          | 4.454  | 43    | 93       | 45.882    | ug/l #      | 56       |
| 19) Methyl tert-butyl Ether | 5.204  | 73    | 25       | 3.520     | ug/l #      | 52       |
| 20) Methylene Chloride      | 4.716  | 84    | 17980    | 6580.206  | ug/l #      | 84       |
| 25) 2-Butanone              | 6.978  | 43    | 4701     | 4323.999  | ug/l        | 99       |
| 26) 2,2-Dichloropropane     | 6.972  | 77    | 7345     | 1586.608  | ug/l #      | 55       |
| 27) cis-1,2-Dichloroethene  | 6.966  | 96    | 20       | 6.046     | ug/l #      | 1        |
| 29) Tetrahydrofuran         | 7.344  | 42    | 83       | 124.086   | ug/l #      | 38       |
| 31) Cyclohexane             | 7.771  | 56    | 535      | 113.250   | ug/l #      | 43       |
| 36) 1,1-Dichloropropene     | 7.947  | 75    | 106      | 11.098    | ug/l #      | 42       |
| 37) Ethyl Acetate           | 6.978  | 43    | 4701     | 889.003   | ug/l #      | 1        |
| 38) Carbon Tetrachloride    | 8.112  | 117   | 2282     | 231.456   | ug/l #      | 29       |
| 39) Methylcyclohexane       | 9.179  | 83    | 697      | 60.928    | ug/l #      | 75       |
| 40) Benzene                 | 8.155  | 78    | 186      | 6.637     | ug/l #      | 50       |
| 41) Methacrylonitrile       | 7.326  | 41    | 71       | 24.777    | ug/l #      | 1        |
| 43) Isopropyl Acetate       | 8.265  | 43    | 191      | 20.216    | ug/l #      | 56       |
| 45) 1,2-Dichloropropane     | 9.478  | 63    | 46       | 6.469     | ug/l #      | 46       |
| 47) Bromodichloromethane    | 9.514  | 83    | 52       | 5.441     | ug/l #      | 24       |
| 48) Methyl methacrylate     | 9.295  | 41    | 69       | 16.319    | ug/l #      | 76       |
| 51) 4-Methyl-2-Pentanone    | 10.075 | 43    | 986      | 187.132   | ug/l #      | 87       |
| 52) Toluene                 | 10.246 | 92    | 30480    | 1750.725  | ug/l        | 96       |
| 53) t-1,3-Dichloropropene   | 10.471 | 75    | 65       | 6.547     | ug/l #      | 43       |
| 54) cis-1,3-Dichloropropene | 9.972  | 75    | 23       | 2.024     | ug/l #      | 29       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101922\  
 Data File : VY011008.D  
 Acq On : 19 Oct 2022 12:48  
 Operator : KP/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Oct 20 05:13:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 55) 1,1,2-Trichloroethane     | 10.660 | 97   | 52       | 9.089   | ug/l # | 41       |
| 56) Ethyl methacrylate        | 10.539 | 69   | 89       | 11.713  | ug/l # | 1        |
| 57) 1,3-Dichloropropane       | 10.776 | 76   | 19       | 1.932   | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 114      | 45.226  | ug/l # | 79       |
| 59) 2-Hexanone                | 10.831 | 43   | 196      | 54.153  | ug/l # | 28       |
| 60) Dibromochloromethane      | 11.002 | 129  | 229      | 33.662  | ug/l # | 11       |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 62       | 11.316  | ug/l   | 84       |
| 64) Tetrachloroethene         | 10.575 | 164  | 228      | 15.231  | ug/l # | 17       |
| 65) Chlorobenzene             | 11.520 | 112  | 170      | 4.306   | ug/l # | 42       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 571      | 39.075  | ug/l # | 27       |
| 67) Ethyl Benzene             | 11.593 | 91   | 4898     | 70.126  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.697 | 106  | 6372     | 237.157 | ug/l   | 87       |
| 69) o-Xylene                  | 12.032 | 106  | 3071     | 120.371 | ug/l   | 76       |
| 70) Styrene                   | 12.038 | 104  | 559      | 12.931  | ug/l # | 1        |
| 71) Bromoform                 | 12.246 | 173  | 424      | 47.014  | ug/l # | 28       |
| 73) Isopropylbenzene          | 12.325 | 105  | 1920     | 11.647  | ug/l   | 95       |
| 74) N-amyl acetate            | 12.124 | 43   | 820      | 19.605  | ug/l # | 74       |
| 75) 1,1,2,2-Tetrachloroethane | 12.569 | 83   | 280      | 8.093   | ug/l # | 12       |
| 76) 1,2,3-Trichloropropane    | 12.617 | 75   | 145      | 5.629   | ug/l # | 100      |
| 77) Bromobenzene              | 12.422 | 156  | 26064    | 676.406 | ug/l # | 1        |
| 78) n-propylbenzene           | 12.672 | 91   | 5282     | 26.335  | ug/l   | 90       |
| 79) 2-Chlorotoluene           | 12.861 | 91   | 1079     | 9.553   | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 4499     | 32.710  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.392 | 75   | 380      | 31.726  | ug/l # | 39       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 1079     | 9.175   | ug/l   | 93       |
| 83) tert-Butylbenzene         | 12.800 | 119  | 1415     | 11.897  | ug/l   | 66       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 22378    | 164.995 | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 2538     | 14.201  | ug/l   | 79       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 1752     | 11.816  | ug/l   | 87       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 774      | 10.065  | ug/l # | 37       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 492      | 6.434   | ug/l # | 48       |
| 89) n-Butylbenzene            | 13.459 | 91   | 771      | 5.565   | ug/l   | 84       |
| 90) Hexachloroethane          | 13.971 | 117  | 1296     | 44.291  | ug/l # | 6        |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 1125     | 16.351  | ug/l # | 20       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.379 | 75   | 353      | 61.712  | ug/l # | 48       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 495      | 12.038  | ug/l # | 1        |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 49       | 2.024   | ug/l # | 1        |
| 95) Naphthalene               | 15.233 | 128  | 7162     | 85.522  | ug/l # | 82       |
| 96) 1,2,3-Trichlorobenzene    | 15.440 | 180  | 675      | 18.816  | ug/l # | 1        |

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

Quant Time: Oct 20 05:13:21 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 18 01:42:42 2022  
Response via : Initial Calibration

