

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042122\  
 Data File : VY008444.D  
 Acq On : 21 Apr 2022 16:35  
 Operator : KP/MD  
 Sample : VY0421SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

Quant Time: Apr 22 05:26:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 21 14:28:40 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/22/2022  
 Supervised By :Semsettin Yesilyurt 04/22/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 83733               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 145258              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.495         | 117  | 136965              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 64721               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.142          | 65   | 55139               | 55.966  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 111.940% |         |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 53558               | 57.130  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 114.260% |         |        |          |
| 50) Toluene-d8               | 10.178         | 98   | 194324              | 51.927  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 103.860% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 65291               | 51.722  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 103.440% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.912          | 85   | 15452               | 20.321  | ug/l   | 99       |
| 3) Chloromethane             | 2.119          | 50   | 25045               | 20.932  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.259          | 62   | 33636               | 21.635  | ug/l   | 99       |
| 5) Bromomethane              | 2.655          | 94   | 30338               | 20.986  | ug/l   | 99       |
| 6) Chloroethane              | 2.796          | 64   | 22124               | 21.390  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.131          | 101  | 36064               | 22.392  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.539          | 74   | 12812               | 23.113  | ug/l   | 75       |
| 9) 1,1,2-Trichlorotrifluo... | 3.905          | 101  | 21488               | 22.412  | ug/l   | 95       |
| 10) Methyl Iodide            | 4.100          | 142  | 22105               | 18.599  | ug/l   | 91       |
| 11) Tert butyl alcohol       | 4.954          | 59   | 17670               | 169.198 | ug/l # | 90       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 20171               | 22.285  | ug/l   | 81       |
| 13) Acrolein                 | 3.741          | 56   | 12658               | 120.675 | ug/l   | 97       |
| 14) Allyl chloride           | 4.490          | 41   | 25099               | 21.244  | ug/l # | 85       |
| 15) Acrylonitrile            | 5.167          | 53   | 32966               | 116.314 | ug/l   | 97       |
| 16) Acetone                  | 3.954          | 43   | 24618               | 107.278 | ug/l # | 88       |
| 17) Carbon Disulfide         | 4.198          | 76   | 60097               | 21.961  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.478          | 43   | 14373               | 22.334  | ug/l # | 82       |
| 19) Methyl tert-butyl Ether  | 5.228          | 73   | 64486               | 22.516  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.722          | 84   | 31162               | 22.748  | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.228          | 96   | 24176               | 21.896  | ug/l   | 85       |
| 22) Diisopropyl ether        | 6.118          | 45   | 63480               | 22.250  | ug/l # | 91       |
| 23) Vinyl Acetate            | 6.063          | 43   | 224105              | 114.571 | ug/l # | 90       |
| 24) 1,1-Dichloroethane       | 6.027          | 63   | 39053               | 21.990  | ug/l   | 97       |
| 25) 2-Butanone               | 6.990          | 43   | 40065               | 112.854 | ug/l # | 84       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 36388               | 22.122  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 27653               | 21.895  | ug/l   | 82       |
| 28) Bromochloromethane       | 7.338          | 49   | 15414               | 21.517  | ug/l # | 73       |
| 29) Tetrahydrofuran          | 7.350          | 42   | 26842               | 117.388 | ug/l # | 74       |
| 30) Chloroform               | 7.508          | 83   | 42791               | 21.932  | ug/l   | 97       |
| 31) Cyclohexane              | 7.789          | 56   | 34862               | 21.524  | ug/l # | 82       |
| 32) 1,1,1-Trichloroethane    | 7.703          | 97   | 37548               | 21.978  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.923          | 75   | 32897               | 22.061  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.075          | 43   | 19367               | 23.484  | ug/l # | 89       |
| 38) Carbon Tetrachloride     | 7.898          | 117  | 32567               | 21.020  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.185          | 83   | 41519               | 21.745  | ug/l   | 88       |
| 40) Benzene                  | 8.161          | 78   | 94444               | 21.709  | ug/l   | 96       |

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 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

Manual Integrations  
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 Supervised By :Semsettin Yesilyurt 04/22/2022

Quant Time: Apr 22 05:26:13 2022  
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 Quant Title : SW846 8260  
 QLast Update : Thu Apr 21 14:28:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 8009m    | 20.026  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 29441    | 22.477  | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.276  | 43   | 35164    | 23.184  | ug/l # | 89       |
| 44) Trichloroethene           | 8.941  | 130  | 25899    | 21.608  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 23175    | 22.183  | ug/l   | 92       |
| 46) Dibromomethane            | 9.307  | 93   | 15974    | 21.824  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.502  | 83   | 33762    | 21.729  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.294  | 41   | 15069    | 23.366  | ug/l # | 78       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 4033     | 436.961 | ug/l # | 76       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 92821    | 116.334 | ug/l # | 84       |
| 52) Toluene                   | 10.246 | 92   | 62463    | 21.711  | ug/l   | 93       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 36235    | 21.747  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 39800    | 21.555  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 22227    | 22.249  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 28221    | 21.879  | ug/l # | 78       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 36391    | 22.315  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 73948    | 104.606 | ug/l   | 91       |
| 59) 2-Hexanone                | 10.837 | 43   | 63160    | 115.031 | ug/l   | 82       |
| 60) Dibromochloromethane      | 10.989 | 129  | 25074    | 21.846  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 21846    | 22.110  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 22364    | 22.018  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.520 | 112  | 68378    | 22.079  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 24712    | 21.613  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.593 | 91   | 116646   | 21.703  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 91943    | 42.707  | ug/l   | 92       |
| 69) o-Xylene                  | 12.032 | 106  | 44271    | 21.359  | ug/l   | 91       |
| 70) Styrene                   | 12.044 | 104  | 72871    | 20.863  | ug/l   | 94       |
| 71) Bromoform                 | 12.209 | 173  | 15388    | 21.475  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 113913   | 23.214  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 28777    | 23.734  | ug/l # | 82       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 26446    | 24.120  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.635 | 75   | 16963m   | 20.252  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 26734    | 22.339  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.672 | 91   | 134350   | 22.826  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 75590    | 22.818  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 91069    | 22.358  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 8211     | 22.742  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 78255    | 22.796  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 79575    | 22.505  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 89367    | 22.113  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 121214   | 22.715  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 97424    | 21.800  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 50482    | 21.070  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 51818    | 21.832  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 90995    | 22.434  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.964 | 117  | 18547    | 23.084  | ug/l   | 81       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 46638    | 21.891  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 3793     | 23.020  | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 24662    | 20.796  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 12272    | 21.209  | ug/l   | 96       |
| 95) Naphthalene               | 15.239 | 128  | 57513    | 21.393  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 22118    | 21.309  | ug/l   | 99       |

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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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