

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060222\  
 Data File : VY009122.D  
 Acq On : 02 Jun 2022 13:06  
 Operator : KP/MD  
 Sample : VY0602SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0602SBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/03/2022  
 Supervised By :Semsettin Yesilyurt 06/03/2022

Quant Time: Jun 03 03:11:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.783          | 168  | 107357     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 178630     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 168112     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 88529      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 51887      | 46.961  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 93.920% |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 54266      | 48.853  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 97.700% |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 170312     | 41.561  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 83.120% |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 74221      | 44.900  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 89.800% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 19141      | 19.494  | ug/l   | 92       |
| 3) Chloromethane             | 2.113          | 50   | 33434      | 23.768  | ug/l   | 92       |
| 4) Vinyl Chloride            | 2.247          | 62   | 51338      | 24.633  | ug/l   | 94       |
| 5) Bromomethane              | 2.625          | 94   | 52541      | 25.719  | ug/l   | 96       |
| 6) Chloroethane              | 2.778          | 64   | 36550      | 24.755  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.113          | 101  | 38752      | 21.896  | ug/l   | 91       |
| 8) Diethyl Ether             | 3.528          | 74   | 11379      | 20.562  | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 3.887          | 101  | 22140      | 20.354  | ug/l   | 92       |
| 10) Methyl Iodide            | 4.082          | 142  | 19911      | 17.727  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 13232      | 118.066 | ug/l # | 91       |
| 12) 1,1-Dichloroethene       | 3.863          | 96   | 19603      | 19.413  | ug/l   | 88       |
| 13) Acrolein                 | 3.723          | 56   | 4737       | 128.410 | ug/l   | 100      |
| 14) Allyl chloride           | 4.472          | 41   | 28811      | 18.933  | ug/l # | 84       |
| 15) Acrylonitrile            | 5.155          | 53   | 31261      | 100.888 | ug/l   | 99       |
| 16) Acetone                  | 3.942          | 43   | 24905      | 108.286 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.186          | 76   | 60610      | 18.373  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.466          | 43   | 16004      | 22.346  | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 5.210          | 73   | 58083      | 19.164  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.704          | 84   | 31708      | 19.806  | ug/l # | 86       |
| 21) trans-1,2-Dichloroethene | 5.216          | 96   | 23760      | 18.332  | ug/l   | 87       |
| 22) Diisopropyl ether        | 6.112          | 45   | 69529      | 19.018  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.051          | 43   | 227649     | 94.134  | ug/l # | 91       |
| 24) 1,1-Dichloroethane       | 6.009          | 63   | 42056      | 19.233  | ug/l   | 97       |
| 25) 2-Butanone               | 6.984          | 43   | 41346      | 100.649 | ug/l # | 88       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 40627      | 20.169  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 26975      | 18.463  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.326          | 49   | 15749      | 20.983  | ug/l   | 95       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 27317      | 97.895  | ug/l # | 87       |
| 30) Chloroform               | 7.502          | 83   | 44709      | 18.941  | ug/l   | 97       |
| 31) Cyclohexane              | 7.777          | 56   | 38217      | 17.680  | ug/l # | 87       |
| 32) 1,1,1-Trichloroethane    | 7.698          | 97   | 40022      | 18.689  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 34182      | 18.082  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.063          | 43   | 18697      | 19.067  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 36396      | 18.405  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.179          | 83   | 40054      | 16.415  | ug/l   | 92       |
| 40) Benzene                  | 8.155          | 78   | 101178     | 18.561  | ug/l   | 97       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0602SBS01

Manual Integrations  
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Reviewed By :Mahesh Dadoda 06/03/2022  
 Supervised By :Semsettin Yesilyurt 06/03/2022

Quant Time: Jun 03 03:11:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.320  | 41   | 10045m   | 19.851  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 30868    | 19.285  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 35442    | 19.438  | ug/l # | 91       |
| 44) Trichloroethene           | 8.941  | 130  | 25743    | 17.836  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 25278    | 19.313  | ug/l   | 95       |
| 46) Dibromomethane            | 9.301  | 93   | 15515    | 18.642  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.496  | 83   | 35945    | 18.898  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 14735    | 18.099  | ug/l # | 80       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 4043     | 363.400 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 95019    | 94.164  | ug/l   | 95       |
| 52) Toluene                   | 10.240 | 92   | 65444    | 17.179  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 35500    | 17.576  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 38978    | 17.951  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 20727    | 17.801  | ug/l   | 100      |
| 56) Ethyl methacrylate        | 10.508 | 69   | 24895    | 16.723  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 35049    | 18.453  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 56698    | 88.036  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.831 | 43   | 64945    | 94.002  | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.984 | 129  | 23907    | 16.938  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 19714    | 17.086  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 22013    | 17.990  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 67045    | 17.376  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 25158    | 17.806  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 121649   | 17.494  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.703 | 106  | 98693    | 34.962  | ug/l   | 90       |
| 69) o-Xylene                  | 12.032 | 106  | 43776    | 16.700  | ug/l   | 95       |
| 70) Styrene                   | 12.044 | 104  | 75506    | 16.749  | ug/l   | 96       |
| 71) Bromoform                 | 12.209 | 173  | 15764    | 16.831  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.331 | 105  | 117845   | 17.802  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 31742    | 20.783  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 27411    | 20.101  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 18518m   | 19.478  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 27650    | 18.019  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 151753   | 19.842  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 80383    | 18.221  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 97572    | 17.585  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 9084     | 19.612  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 86072    | 18.241  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 86966    | 17.667  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 99930    | 18.143  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 136602   | 18.137  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 113639   | 18.094  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 60112    | 18.364  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 59734    | 18.164  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 108969   | 18.965  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.959 | 117  | 22316    | 18.960  | ug/l   | 82       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 52583    | 18.198  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 4122     | 19.470  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 29436    | 18.562  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 16309    | 18.869  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 57042    | 17.906  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 25200    | 18.287  | ug/l   | 99       |

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Manual Integrations  
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Quant Time: Jun 03 03:11:23 2022  
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Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
Response via : Initial Calibration

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

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

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