

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061124\  
 Data File : VY018558.D  
 Acq On : 11 Jun 2024 15:36  
 Operator : SY/MD  
 Sample : VY0611SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0611SBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/12/2024  
 Supervised By :Semsettin Yesilyurt 06/12/2024

Quant Time: Jun 12 03:01:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 07:11:56 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.783          | 168  | 36808               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 62586               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 56666               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 40281               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.130          | 65   | 44640               | 61.755  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 123.520% |         |        |          |
| 35) Dibromofluoromethane     | 7.710          | 113  | 40605               | 51.163  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 102.320% |         |        |          |
| 50) Toluene-d8               | 10.173         | 98   | 160142              | 50.721  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 101.440% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 50838               | 51.715  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 103.440% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 10061               | 17.211  | ug/l   | 95       |
| 3) Chloromethane             | 2.107          | 50   | 26934               | 24.706  | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.241          | 62   | 32057               | 24.584  | ug/l   | 99       |
| 5) Bromomethane              | 2.631          | 94   | 20535               | 23.604  | ug/l   | 95       |
| 6) Chloroethane              | 2.784          | 64   | 19977               | 24.264  | ug/l   | 89       |
| 7) Trichlorofluoromethane    | 3.113          | 101  | 27386               | 20.298  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.515          | 74   | 8325                | 20.507  | ug/l   | 73       |
| 9) 1,1,2-Trichlorotrifluo... | 3.881          | 101  | 14768               | 18.798  | ug/l   | 92       |
| 10) Methyl Iodide            | 4.070          | 142  | 13939               | 18.063  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 4.924          | 59   | 10421               | 84.477  | ug/l # | 97       |
| 12) 1,1-Dichloroethene       | 3.863          | 96   | 14176               | 18.358  | ug/l   | 92       |
| 13) Acrolein                 | 3.710          | 56   | 4809                | 64.995  | ug/l   | 100      |
| 14) Allyl chloride           | 4.466          | 41   | 25841               | 22.850  | ug/l # | 92       |
| 15) Acrylonitrile            | 5.155          | 53   | 21397               | 115.255 | ug/l   | 96       |
| 16) Acetone                  | 3.930          | 43   | 18843               | 117.448 | ug/l # | 80       |
| 17) Carbon Disulfide         | 4.180          | 76   | 38874               | 17.161  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.472          | 43   | 10075               | 25.112  | ug/l # | 86       |
| 19) Methyl tert-butyl Ether  | 5.216          | 73   | 40160               | 21.580  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.698          | 84   | 25920               | 27.001  | ug/l # | 86       |
| 21) trans-1,2-Dichloroethene | 5.204          | 96   | 16341               | 19.830  | ug/l   | 91       |
| 22) Diisopropyl ether        | 6.100          | 45   | 58935               | 25.590  | ug/l # | 89       |
| 23) Vinyl Acetate            | 6.045          | 43   | 181808              | 121.298 | ug/l   | 93       |
| 24) 1,1-Dichloroethane       | 6.003          | 63   | 32616               | 22.705  | ug/l   | 98       |
| 25) 2-Butanone               | 6.978          | 43   | 30036               | 122.206 | ug/l   | 88       |
| 26) 2,2-Dichloropropane      | 6.966          | 77   | 26210               | 20.759  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.978          | 96   | 20273               | 21.150  | ug/l   | 89       |
| 28) Bromochloromethane       | 7.326          | 49   | 15898               | 24.050  | ug/l # | 73       |
| 29) Tetrahydrofuran          | 7.338          | 42   | 19950               | 124.985 | ug/l # | 82       |
| 30) Chloroform               | 7.502          | 83   | 32421               | 22.503  | ug/l   | 99       |
| 31) Cyclohexane              | 7.783          | 56   | 27677               | 20.536  | ug/l   | 86       |
| 32) 1,1,1-Trichloroethane    | 7.691          | 97   | 26386               | 20.910  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 7.905          | 75   | 23510               | 19.428  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.063          | 43   | 14014               | 23.182  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 20535               | 16.934  | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.185          | 83   | 28445               | 17.388  | ug/l   | 93       |
| 40) Benzene                  | 8.155          | 78   | 73796               | 20.353  | ug/l   | 99       |

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 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0611SBS01

Manual Integrations  
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Reviewed By :Mahesh Dadoda 06/12/2024  
 Supervised By :Semsettin Yesilyurt 06/12/2024

Quant Time: Jun 12 03:01:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 07:11:56 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 5949m    | 20.231  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 18963    | 21.512  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.271  | 43   | 26019    | 23.018  | ug/l # | 77       |
| 44) Trichloroethene           | 8.935  | 130  | 16402    | 18.255  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 18139    | 21.875  | ug/l   | 95       |
| 46) Dibromomethane            | 9.301  | 93   | 9992     | 21.018  | ug/l   | 87       |
| 47) Bromodichloromethane      | 9.496  | 83   | 22899    | 20.066  | ug/l # | 94       |
| 48) Methyl methacrylate       | 9.289  | 41   | 11803    | 22.695  | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 2376     | 380.580 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 65992    | 112.432 | ug/l   | 90       |
| 52) Toluene                   | 10.240 | 92   | 44835    | 20.105  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 21060    | 20.095  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 25184    | 19.517  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 13237    | 21.401  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 17679    | 20.312  | ug/l # | 74       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 22312    | 21.249  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 49928    | 106.822 | ug/l   | 91       |
| 59) 2-Hexanone                | 10.831 | 43   | 45661    | 112.574 | ug/l   | 86       |
| 60) Dibromochloromethane      | 10.983 | 129  | 13130    | 17.376  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.081 | 107  | 11672    | 20.040  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.715 | 164  | 15189    | 18.197  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.514 | 112  | 46083    | 18.964  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 14035    | 17.862  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.587 | 91   | 84775    | 19.166  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.697 | 106  | 63434    | 38.087  | ug/l   | 92       |
| 69) o-Xylene                  | 12.026 | 106  | 30653    | 19.119  | ug/l   | 98       |
| 70) Styrene                   | 12.044 | 104  | 51126    | 19.517  | ug/l   | 98       |
| 71) Bromoform                 | 12.209 | 173  | 6648     | 16.060  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.325 | 105  | 78440    | 18.871  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 22088    | 21.831  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.575 | 83   | 15323    | 20.941  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 10094m   | 20.209  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 16536    | 18.736  | ug/l   | 85       |
| 78) n-propylbenzene           | 12.666 | 91   | 97636    | 19.570  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 54508    | 20.097  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 62391    | 19.272  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 4385     | 18.444  | ug/l # | 81       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 54349    | 19.914  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 55619    | 18.579  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 61454    | 19.389  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 83216    | 18.875  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 66349    | 18.646  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 32565    | 18.706  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 32007    | 18.714  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 63515    | 18.784  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 11999    | 17.991  | ug/l   | 83       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 28620    | 18.892  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 2002     | 17.980  | ug/l   | 75       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 13118    | 16.011  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 6689     | 15.372  | ug/l   | 90       |
| 95) Naphthalene               | 15.233 | 128  | 25482    | 15.486  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 10632    | 15.337  | ug/l   | 94       |

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Instrument :  
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VY0611SBSD01

Manual Integrations  
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Quant Time: Jun 12 03:01:21 2024  
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Quant Title : SW846 8260  
QLast Update : Tue Jun 04 07:11:56 2024  
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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