

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062322\  
 Data File : VD073674.D  
 Acq On : 23 Jun 2022 19:13  
 Operator : VA/SY  
 Sample : VD0623SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0623SBS01

Quant Time: Jun 24 07:39:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 24 07:36:47 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2022  
 Supervised By :Mahesh Dadoda 06/30/2022

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.967          | 168  | 202499     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855          | 114  | 329014     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638         | 117  | 312163     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 166407     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 119226     | 47.937  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 95.880% |        |          |
| 35) Dibromofluoromethane     | 7.908          | 113  | 120550     | 47.034  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 94.060% |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 416910     | 45.303  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 90.600% |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 159950     | 46.341  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 92.680% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.985          | 85   | 41106      | 20.629  | ug/l   | 97       |
| 3) Chloromethane             | 2.209          | 50   | 34878      | 19.511  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.344          | 62   | 34935      | 19.153  | ug/l   | 93       |
| 5) Bromomethane              | 2.750          | 94   | 27143      | 20.003  | ug/l   | 93       |
| 6) Chloroethane              | 2.909          | 64   | 24008      | 19.541  | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 3.262          | 101  | 83175      | 19.495  | ug/l   | 94       |
| 8) Diethyl Ether             | 3.709          | 74   | 21181      | 19.360  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091          | 101  | 48249      | 19.716  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.291          | 142  | 41756      | 17.926  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.173          | 59   | 42097      | 76.338  | ug/l # | 100      |
| 12) 1,1-Dichloroethene       | 4.067          | 96   | 41331      | 19.862  | ug/l   | 96       |
| 13) Acrolein                 | 3.920          | 56   | 3794       | 90.274  | ug/l   | 100      |
| 14) Allyl chloride           | 4.714          | 41   | 59499      | 19.394  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.409          | 53   | 51326      | 98.012  | ug/l   | 99       |
| 16) Acetone                  | 4.150          | 43   | 39850      | 94.918  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.403          | 76   | 102807     | 19.580  | ug/l # | 93       |
| 18) Methyl Acetate           | 4.714          | 43   | 26450      | 21.879  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.467          | 73   | 103884     | 19.171  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.956          | 84   | 61241      | 20.491  | ug/l   | 87       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 48140      | 19.446  | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.361          | 45   | 144098     | 20.920  | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.297          | 43   | 358750     | 99.345  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.256          | 63   | 90817      | 19.796  | ug/l   | 99       |
| 25) 2-Butanone               | 7.203          | 43   | 59983      | 95.701  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.203          | 77   | 84224      | 19.490  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.203          | 96   | 57068      | 19.602  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.532          | 49   | 31455      | 19.429  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.556          | 42   | 37240      | 97.734  | ug/l   | 99       |
| 30) Chloroform               | 7.703          | 83   | 105217     | 20.377  | ug/l   | 99       |
| 31) Cyclohexane              | 7.979          | 56   | 70541      | 18.906  | ug/l # | 86       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 94093      | 20.288  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.103          | 75   | 72576      | 20.171  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.279          | 43   | 28496      | 20.180  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 81213      | 19.387  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.350          | 83   | 72492      | 18.147  | ug/l   | 98       |
| 40) Benzene                  | 8.344          | 78   | 206353     | 19.812  | ug/l   | 95       |

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 Sample : VD0623SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0623SBS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/30/2022  
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 24 07:39:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 24 07:36:47 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.508  | 41   | 16216    | 19.022  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 65476    | 20.865  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 55194    | 19.919  | ug/l   | 97       |
| 44) Trichloroethene           | 9.108  | 130  | 58112    | 19.425  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 51080    | 19.562  | ug/l   | 98       |
| 46) Dibromomethane            | 9.467  | 93   | 29787    | 19.651  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.650  | 83   | 81839    | 20.599  | ug/l   | 93       |
| 48) Methyl methacrylate       | 9.444  | 41   | 25104    | 17.852  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 6462     | 381.800 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 143082   | 100.484 | ug/l   | 99       |
| 52) Toluene                   | 10.397 | 92   | 137768   | 20.187  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 72548    | 20.073  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 83421    | 20.275  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 42328    | 19.809  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.649 | 69   | 47175    | 19.588  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 69378    | 19.692  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 93296    | 99.825  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.973 | 43   | 94332    | 98.129  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.132 | 129  | 55346    | 19.654  | ug/l   | 92       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 41175    | 20.357  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.867 | 164  | 49675    | 20.097  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.661 | 112  | 151664   | 19.851  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 59748    | 19.463  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.738 | 91   | 255612   | 19.171  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.844 | 106  | 208327   | 40.432  | ug/l   | 100      |
| 69) o-Xylene                  | 12.173 | 106  | 93053    | 19.471  | ug/l   | 99       |
| 70) Styrene                   | 12.185 | 104  | 168087   | 20.099  | ug/l   | 99       |
| 71) Bromoform                 | 12.349 | 173  | 33055    | 19.781  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.467 | 105  | 259222   | 19.077  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 51380    | 18.479  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 49212    | 19.196  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 34170m   | 21.100  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 61946    | 18.957  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.808 | 91   | 320574   | 19.302  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 183696   | 18.988  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 228609   | 19.625  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 15394    | 19.407  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 197686   | 19.221  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 191436   | 18.695  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 220997   | 19.313  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 286118   | 18.998  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 243090   | 19.388  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 131407   | 19.311  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 130222   | 19.336  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.826 | 91   | 221283   | 18.848  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 48936    | 18.935  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 113254   | 19.344  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 7843     | 18.326  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 66080    | 18.899  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 36436    | 18.378  | ug/l   | 99       |
| 95) Naphthalene               | 15.379 | 128  | 112249   | 17.959  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.579 | 180  | 59130    | 19.358  | ug/l   | 96       |

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ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 24 07:39:03 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062322S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 24 07:36:47 2022  
Response via : Initial Calibration

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0623SBS01

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2022  
Supervised By :Mahesh Dadoda 06/30/2022

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

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

