

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121721\  
 Data File : VD071379.D  
 Acq On : 17 Dec 2021 12:11  
 Operator : VA/SY  
 Sample : VD1217SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/soil  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1217SBS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/19/2021  
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 19 01:51:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 248231              | 50.000  | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene      | 8.856          | 114  | 416524              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638         | 117  | 392682              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 200726              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 174816              | 60.018  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 120.040% |         |        |          |
| 35) Dibromofluoromethane     | 7.914          | 113  | 156613              | 59.046  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 118.100% |         |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 522246              | 51.740  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 103.480% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 199015              | 56.880  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 113.760% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.985          | 85   | 44822               | 21.174  | ug/l   | 99       |
| 3) Chloromethane             | 2.209          | 50   | 60395               | 21.566  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.350          | 62   | 77503               | 24.806  | ug/l   | 98       |
| 5) Bromomethane              | 2.744          | 94   | 54975               | 24.408  | ug/l   | 86       |
| 6) Chloroethane              | 2.915          | 64   | 53907               | 25.085  | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.268          | 101  | 89164               | 21.066  | ug/l   | 88       |
| 8) Diethyl Ether             | 3.703          | 74   | 24525               | 21.374  | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091          | 101  | 52219               | 20.912  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.291          | 142  | 39088               | 16.798  | ug/l   | 90       |
| 11) Tert butyl alcohol       | 5.220          | 59   | 40685m              | 206.608 | ug/l   |          |
| 12) 1,1-Dichloroethene       | 4.068          | 96   | 43894               | 19.048  | ug/l   | 90       |
| 13) Acrolein                 | 3.909          | 56   | 19575               | 98.345  | ug/l   | 96       |
| 14) Allyl chloride           | 4.709          | 41   | 86890               | 19.851  | ug/l # | 80       |
| 15) Acrylonitrile            | 5.415          | 53   | 75122               | 134.619 | ug/l   | 94       |
| 16) Acetone                  | 4.156          | 43   | 82822               | 124.689 | ug/l # | 84       |
| 17) Carbon Disulfide         | 4.403          | 76   | 115656              | 17.142  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.715          | 43   | 61679               | 28.701  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 127404              | 22.559  | ug/l   | 94       |
| 20) Methylene Chloride       | 4.962          | 84   | 76669               | 23.905  | ug/l # | 85       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 48632               | 18.748  | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.362          | 45   | 183304              | 20.902  | ug/l   | 92       |
| 23) Vinyl Acetate            | 6.303          | 43   | 456727              | 113.040 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.262          | 63   | 105326              | 20.881  | ug/l   | 96       |
| 25) 2-Butanone               | 7.209          | 43   | 108316              | 135.860 | ug/l # | 82       |
| 26) 2,2-Dichloropropane      | 7.203          | 77   | 84402               | 18.401  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.203          | 96   | 60565               | 20.638  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.544          | 49   | 53419               | 24.383  | ug/l   | 89       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 66243               | 143.225 | ug/l   | 89       |
| 30) Chloroform               | 7.703          | 83   | 107142              | 21.165  | ug/l   | 93       |
| 31) Cyclohexane              | 7.979          | 56   | 91864               | 18.542  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.903          | 97   | 94830               | 20.865  | ug/l # | 94       |
| 36) 1,1-Dichloropropene      | 8.109          | 75   | 76277               | 19.594  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.291          | 43   | 45550               | 27.087  | ug/l # | 92       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 79890               | 20.818  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.350          | 83   | 84762               | 18.102  | ug/l   | 91       |
| 40) Benzene                  | 8.344          | 78   | 218609              | 20.673  | ug/l   | 98       |

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 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.520  | 41   | 26036    | 34.588  | ug/l # | 77       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 75442    | 23.373  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 81237    | 24.884  | ug/l   | 91       |
| 44) Trichloroethene           | 9.108  | 130  | 57321    | 20.331  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 60320    | 21.691  | ug/l   | 94       |
| 46) Dibromomethane            | 9.467  | 93   | 34003    | 23.568  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.656  | 83   | 84572    | 22.165  | ug/l # | 99       |
| 48) Methyl methacrylate       | 9.450  | 41   | 37883    | 23.015  | ug/l # | 80       |
| 49) 1,4-Dioxane               | 9.450  | 88   | 7989     | 573.629 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 233643   | 138.758 | ug/l   | 88       |
| 52) Toluene                   | 10.397 | 92   | 136919   | 20.407  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 75684    | 21.574  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 88454    | 21.227  | ug/l # | 80       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 45698    | 24.144  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 54599    | 23.616  | ug/l # | 72       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 79192    | 23.818  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 183985   | 142.852 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.979 | 43   | 163055   | 132.911 | ug/l   | 88       |
| 60) Dibromochloromethane      | 11.132 | 129  | 56914    | 24.195  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 43301    | 23.821  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.867 | 164  | 48179    | 19.326  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.661 | 112  | 143909   | 19.752  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 56045    | 21.067  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.738 | 91   | 255560   | 18.632  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.844 | 106  | 196702   | 37.986  | ug/l   | 97       |
| 69) o-Xylene                  | 12.173 | 106  | 91675    | 18.836  | ug/l   | 97       |
| 70) Styrene                   | 12.185 | 104  | 162987   | 19.870  | ug/l   | 97       |
| 71) Bromoform                 | 12.349 | 173  | 32009    | 23.225  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.467 | 105  | 247083   | 17.000  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.279 | 43   | 74690    | 22.331  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 57649    | 24.086  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 44102m   | 23.061  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 56277    | 17.877  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.808 | 91   | 307445   | 16.986  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.897 | 91   | 173445   | 17.074  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 204473   | 17.061  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 16359    | 23.470  | ug/l # | 80       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 186847   | 17.717  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.214 | 119  | 179080   | 17.398  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 209305   | 17.887  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.391 | 105  | 272581   | 17.339  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 218386   | 16.984  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 120084   | 19.162  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 116434   | 18.753  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.826 | 91   | 215399   | 17.161  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.096 | 117  | 45895    | 18.829  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.879 | 146  | 104475   | 19.604  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.491 | 75   | 9798     | 25.137  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 61552    | 18.516  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 32879    | 17.481  | ug/l   | 100      |
| 95) Naphthalene               | 15.379 | 128  | 121692   | 20.766  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 57582    | 20.394  | ug/l   | 97       |

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QLast Update : Mon Nov 29 17:54:09 2021  
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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