

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111121\  
 Data File : VD071007.D  
 Acq On : 12 Nov 2021 02:19  
 Operator : VA/SY  
 Sample : VD1111SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1111SBS02

Quant Time: Nov 15 01:14:03 2021  
 Quant Title :  
 QLast Update : Wed Nov 10 03:55:51 2021  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Vimala Arumugam 11/15/2021  
 Supervised By :Mahesh Dadoda 11/17/2021

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 7.979          | 168  | 233111              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 436826              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638         | 117  | 406323              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 181887              | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 145666              | 58.690 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 117.380% |        |        |          |
| 35) Dibromofluoromethane     | 7.908          | 113  | 133863              | 54.307 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 108.620% |        |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 497025              | 51.488 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 102.980% |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 176403              | 50.753 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 101.500% |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.985          | 85   | 38402               | 19.282 | ug/l   | 94       |
| 3) Chloromethane             | 2.209          | 50   | 56399               | 23.798 | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.344          | 62   | 56352               | 24.724 | ug/l   | 97       |
| 5) Bromomethane              | 2.756          | 94   | 44441               | 28.606 | ug/l   | 95       |
| 6) Chloroethane              | 2.915          | 64   | 37627               | 25.704 | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 3.267          | 101  | 69495               | 18.946 | ug/l   | 90       |
| 8) Diethyl Ether             | 3.709          | 74   | 24272               | 19.994 | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097          | 101  | 39638               | 17.530 | ug/l   | 97       |
| 10) Methyl Iodide            | 4.303          | 142  | 38745               | 18.626 | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.220          | 59   | 15429               | 85.061 | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 4.062          | 96   | 39972               | 18.058 | ug/l   | 82       |
| 13) Acrolein                 | 3.926          | 56   | 3087                | 51.425 | ug/l   | 88       |
| 14) Allyl chloride           | 4.714          | 41   | 83014               | 18.005 | ug/l # | 83       |
| 15) Acrylonitrile            | 5.420          | 53   | 56847               | 97.860 | ug/l   | 96       |
| 16) Acetone                  | 4.156          | 43   | 44383               | 80.770 | ug/l   | 90       |
| 17) Carbon Disulfide         | 4.409          | 76   | 127617              | 17.855 | ug/l # | 94       |
| 18) Methyl Acetate           | 4.714          | 43   | 52985               | 24.884 | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 115841              | 20.272 | ug/l   | 94       |
| 20) Methylene Chloride       | 4.956          | 84   | 67853               | 23.823 | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 48443               | 19.093 | ug/l   | 86       |
| 22) Diisopropyl ether        | 6.361          | 45   | 176507              | 19.256 | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.303          | 43   | 367828              | 89.855 | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.261          | 63   | 96658               | 19.743 | ug/l   | 98       |
| 25) 2-Butanone               | 7.208          | 43   | 71619               | 96.315 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.203          | 77   | 66706               | 16.144 | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.208          | 96   | 56593               | 19.513 | ug/l   | 96       |
| 28) Bromochloromethane       | 7.538          | 49   | 49693               | 23.931 | ug/l   | 89       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 48945               | 97.058 | ug/l   | 92       |
| 30) Chloroform               | 7.703          | 83   | 95075               | 20.425 | ug/l   | 99       |
| 31) Cyclohexane              | 7.985          | 56   | 82013               | 16.068 | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 78818               | 19.716 | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 67709               | 17.360 | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.291          | 43   | 35166               | 19.763 | ug/l # | 92       |
| 38) Carbon Tetrachloride     | 8.097          | 117  | 62573               | 17.422 | ug/l   | 90       |
| 39) Methylcyclohexane        | 9.350          | 83   | 75795               | 15.047 | ug/l   | 98       |
| 40) Benzene                  | 8.350          | 78   | 201481              | 18.344 | ug/l   | 97       |
| 41) Methacrylonitrile        | 7.520          | 41   | 22848               | 19.850 | ug/l # | 71       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 61100    | 19.640  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 67877    | 18.024  | ug/l # | 88       |
| 44) Trichloroethene           | 9.108  | 130  | 49553    | 17.503  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 54638    | 18.394  | ug/l   | 98       |
| 46) Dibromomethane            | 9.473  | 93   | 27940    | 19.761  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.655  | 83   | 72451    | 19.373  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.450  | 41   | 33754    | 18.271  | ug/l # | 81       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 6512     | 397.513 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 169208   | 92.679  | ug/l   | 90       |
| 52) Toluene                   | 10.397 | 92   | 125966   | 18.193  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 64611    | 17.133  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 77086    | 17.334  | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 10.796 | 97   | 35158    | 18.092  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 49687    | 18.071  | ug/l # | 78       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 66263    | 18.777  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 147726   | 103.350 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.979 | 43   | 114327   | 90.908  | ug/l   | 88       |
| 60) Dibromochloromethane      | 11.132 | 129  | 44862    | 19.244  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 35949    | 19.018  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.867 | 164  | 43795    | 18.484  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.661 | 112  | 133676   | 18.439  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.738 | 131  | 46463    | 18.057  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.738 | 91   | 242562   | 17.667  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.844 | 106  | 178023   | 34.694  | ug/l   | 95       |
| 69) o-Xylene                  | 12.173 | 106  | 89771    | 18.393  | ug/l   | 98       |
| 70) Styrene                   | 12.185 | 104  | 148650   | 17.987  | ug/l   | 98       |
| 71) Bromoform                 | 12.349 | 173  | 24947    | 18.591  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.467 | 105  | 224286   | 17.117  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 60221    | 16.087  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 41153    | 18.246  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 27036m   | 17.401  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 51403    | 18.360  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.808 | 91   | 274521   | 16.908  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 160246   | 17.310  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 186233   | 17.262  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 10185    | 15.136  | ug/l # | 78       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 170676   | 17.864  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.214 | 119  | 160353   | 17.254  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 185202   | 17.528  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.390 | 105  | 230468   | 16.495  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 189975   | 16.933  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 99744    | 18.221  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 99316    | 18.121  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.826 | 91   | 181295   | 16.079  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.096 | 117  | 37872    | 17.058  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 89282    | 18.823  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 6598     | 17.837  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 52162    | 17.188  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.243 | 225  | 25636    | 16.750  | ug/l   | 98       |
| 95) Naphthalene               | 15.379 | 128  | 100544   | 17.351  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 44794    | 17.555  | ug/l   | 95       |

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