

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072022\  
 Data File : VD073876.D  
 Acq On : 20 Jul 2022 12:26  
 Operator : VA/SY  
 Sample : VD0720SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/soil  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0720SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 07/21/2022  
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 20 16:27:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 20 15:29:08 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 152165              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855          | 114  | 254382              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 229626              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 118635              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.320          | 65   | 96582               | 53.154  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 106.300% |         |        |          |
| 35) Dibromofluoromethane     | 7.902          | 113  | 97115               | 54.115  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 108.220% |         |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 350610              | 53.817  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 107.640% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 121075              | 54.053  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 108.100% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 32768               | 22.447  | ug/l   | 98       |
| 3) Chloromethane             | 2.209          | 50   | 58945               | 23.127  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.344          | 62   | 72870               | 20.779  | ug/l   | 97       |
| 5) Bromomethane              | 2.744          | 94   | 38274               | 16.146  | ug/l   | 96       |
| 6) Chloroethane              | 2.909          | 64   | 47959               | 20.288  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.250          | 101  | 94112               | 30.009  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.709          | 74   | 16061               | 20.878  | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 4.085          | 101  | 38119               | 21.906  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.285          | 142  | 36254               | 21.149  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.238          | 59   | 10936               | 86.879  | ug/l # | 74       |
| 12) 1,1-Dichloroethene       | 4.056          | 96   | 34225               | 22.133  | ug/l   | 84       |
| 13) Acrolein                 | 3.914          | 56   | 8414                | 99.758  | ug/l   | 95       |
| 14) Allyl chloride           | 4.703          | 41   | 44717               | 19.812  | ug/l # | 87       |
| 15) Acrylonitrile            | 5.414          | 53   | 33351               | 106.221 | ug/l   | 96       |
| 16) Acetone                  | 4.156          | 43   | 29129               | 97.698  | ug/l   | 90       |
| 17) Carbon Disulfide         | 4.403          | 76   | 105365              | 21.325  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.714          | 43   | 19185               | 25.677  | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 80099               | 21.625  | ug/l   | 94       |
| 20) Methylene Chloride       | 4.961          | 84   | 37533               | 7.126   | ug/l   | 84       |
| 21) trans-1,2-Dichloroethene | 5.461          | 96   | 38775               | 21.211  | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.356          | 45   | 96487               | 20.088  | ug/l # | 94       |
| 23) Vinyl Acetate            | 6.297          | 43   | 275977              | 105.265 | ug/l # | 89       |
| 24) 1,1-Dichloroethane       | 6.250          | 63   | 66145               | 20.850  | ug/l   | 96       |
| 25) 2-Butanone               | 7.203          | 43   | 45347               | 107.156 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.197          | 77   | 59969               | 21.286  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.203          | 96   | 43328               | 21.053  | ug/l   | 91       |
| 28) Bromochloromethane       | 7.544          | 49   | 22430               | 18.844  | ug/l # | 72       |
| 29) Tetrahydrofuran          | 7.555          | 42   | 27809               | 108.372 | ug/l # | 84       |
| 30) Chloroform               | 7.703          | 83   | 71759               | 20.550  | ug/l   | 95       |
| 31) Cyclohexane              | 7.979          | 56   | 58702               | 20.332  | ug/l # | 71       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 69289               | 21.328  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.097          | 75   | 54749               | 21.147  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.291          | 43   | 22154               | 23.798  | ug/l # | 92       |
| 38) Carbon Tetrachloride     | 8.085          | 117  | 58938               | 19.934  | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.344          | 83   | 62966               | 20.865  | ug/l   | 96       |
| 40) Benzene                  | 8.338          | 78   | 145487              | 20.655  | ug/l   | 99       |

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 Sample : VD0720SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0720SBS01

Manual Integrations  
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Reviewed By :Krupa Patel 07/21/2022  
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 20 16:27:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 20 15:29:08 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.508  | 41   | 12045    | 20.821  | ug/l # | 83       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 44925    | 20.840  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 41996    | 22.574  | ug/l # | 95       |
| 44) Trichloroethene           | 9.102  | 130  | 44453    | 22.613  | ug/l   | 86       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 35371    | 20.775  | ug/l   | 96       |
| 46) Dibromomethane            | 9.461  | 93   | 21990    | 21.294  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.649  | 83   | 55351    | 20.701  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.444  | 41   | 19649    | 21.542  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.449  | 88   | 4935     | 456.717 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 103705   | 111.504 | ug/l   | 96       |
| 52) Toluene                   | 10.391 | 92   | 99160    | 20.917  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 51055    | 21.629  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 58941    | 21.580  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 28106    | 21.396  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.649 | 69   | 32944    | 21.662  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 49153    | 22.002  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 62848    | 77.284  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.973 | 43   | 70438    | 110.838 | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.132 | 129  | 37749    | 21.213  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.232 | 107  | 27938    | 21.020  | ug/l   | 95       |
| 64) Tetrachloroethene         | 10.867 | 164  | 38871    | 25.381  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.655 | 112  | 105573   | 22.323  | ug/l   | 92       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 37665    | 20.956  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.732 | 91   | 186767   | 21.389  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.843 | 106  | 151562   | 44.407  | ug/l   | 96       |
| 69) o-Xylene                  | 12.167 | 106  | 69456    | 21.737  | ug/l   | 93       |
| 70) Styrene                   | 12.185 | 104  | 116421   | 21.312  | ug/l   | 99       |
| 71) Bromoform                 | 12.343 | 173  | 21211    | 21.810  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.467 | 105  | 181623   | 20.213  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.273 | 43   | 38533    | 21.741  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 33679    | 21.685  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.761 | 75   | 22743m   | 17.867  | ug/l   |          |
| 77) Bromobenzene              | 12.743 | 156  | 41686    | 20.875  | ug/l   | 88       |
| 78) n-propylbenzene           | 12.802 | 91   | 230120   | 20.993  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 127166   | 20.680  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.943 | 105  | 157715   | 20.823  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.508 | 75   | 9020     | 19.122  | ug/l # | 94       |
| 82) 4-Chlorotoluene           | 12.990 | 91   | 132347   | 20.352  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 132228   | 20.418  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 155254   | 20.579  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 208805   | 21.382  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.496 | 119  | 175611   | 21.357  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.496 | 146  | 87826    | 21.002  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 88103    | 21.314  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.826 | 91   | 162554   | 20.821  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 27908    | 17.176  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 77552    | 21.465  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 5890     | 22.585  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.137 | 180  | 45046    | 20.422  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 25066    | 21.444  | ug/l   | 99       |
| 95) Naphthalene               | 15.379 | 128  | 86018    | 21.696  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.567 | 180  | 41402    | 22.077  | ug/l   | 98       |

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ALS Vial : 5 Sample Multiplier: 1

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VD0720SBS01

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APPROVED

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Quant Title : SW846 8260  
QLast Update : Wed Jul 20 15:29:08 2022  
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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