

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081122\  
 Data File : VD074035.D  
 Acq On : 11 Aug 2022 10:55  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/12/2022  
 Supervised By :Mahesh Dadoda 08/12/2022

Quant Time: Aug 11 18:01:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081022S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 14:55:58 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.967          | 168  | 166074     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855          | 114  | 264022     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 246658     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.555         | 152  | 129407     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.320          | 65   | 63481      | 48.204  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 96.400% |        |          |
| 35) Dibromofluoromethane     | 7.903          | 113  | 78899      | 44.992  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 89.980% |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 218411     | 47.305  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 94.620% |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 105956     | 49.133  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 98.260% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 70448      | 48.294  | ug/l   | 98       |
| 3) Chloromethane             | 2.209          | 50   | 107267     | 47.552  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.344          | 62   | 149181     | 42.204  | ug/l   | 98       |
| 5) Bromomethane              | 2.768          | 94   | 101091     | 41.512  | ug/l   | 99       |
| 6) Chloroethane              | 2.920          | 64   | 107961     | 42.681  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.268          | 101  | 156968     | 46.651  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.703          | 74   | 39009      | 50.445  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091          | 101  | 88837      | 46.149  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.291          | 142  | 95588      | 48.349  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.226          | 59   | 22981      | 272.013 | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 4.062          | 96   | 80263      | 48.332  | ug/l   | 95       |
| 13) Acrolein                 | 3.920          | 56   | 33102      | 255.463 | ug/l   | 98       |
| 14) Allyl chloride           | 4.709          | 41   | 106978     | 50.118  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.414          | 53   | 79105      | 246.558 | ug/l   | 98       |
| 16) Acetone                  | 4.156          | 43   | 77737      | 292.541 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.403          | 76   | 247024     | 45.875  | ug/l   | 96       |
| 18) Methyl Acetate           | 4.714          | 43   | 38979      | 51.931  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.467          | 73   | 192712     | 52.064  | ug/l   | 96       |
| 20) Methylene Chloride       | 4.956          | 84   | 103624     | 59.094  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.462          | 96   | 96910      | 48.600  | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.356          | 45   | 234186     | 51.011  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.297          | 43   | 542610     | 44.886  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.256          | 63   | 157611     | 47.916  | ug/l   | 96       |
| 25) 2-Butanone               | 7.203          | 43   | 107793     | 259.395 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.203          | 77   | 154643     | 49.185  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.203          | 96   | 104729     | 49.145  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.538          | 49   | 61137      | 48.162  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.550          | 42   | 64079      | 250.471 | ug/l   | 96       |
| 30) Chloroform               | 7.703          | 83   | 178137     | 47.776  | ug/l   | 98       |
| 31) Cyclohexane              | 7.973          | 56   | 133482     | 45.797  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 169117     | 47.682  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.103          | 75   | 133561     | 50.049  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.291          | 43   | 47515      | 50.030  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 152621     | 50.730  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.344          | 83   | 154566     | 51.061  | ug/l   | 98       |
| 40) Benzene                  | 8.344          | 78   | 361643     | 49.990  | ug/l   | 98       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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Reviewed By :Krupa Patel 08/12/2022  
 Supervised By :Mahesh Dadoda 08/12/2022

Quant Time: Aug 11 18:01:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081022S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 10 14:55:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.508  | 41   | 28326    | 54.577   | ug/l # | 82       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 109250   | 48.991   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 95900    | 52.825   | ug/l   | 100      |
| 44) Trichloroethene           | 9.102  | 130  | 105701   | 49.666   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 86058    | 49.428   | ug/l   | 98       |
| 46) Dibromomethane            | 9.467  | 93   | 55287    | 49.316   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.650  | 83   | 138377   | 49.618   | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.444  | 41   | 43880    | 50.664   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 11328    | 1033.849 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.214 | 43   | 241287   | 258.916  | ug/l   | 98       |
| 52) Toluene                   | 10.391 | 92   | 243728   | 50.474   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 124528   | 51.794   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 143012   | 51.466   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 71145    | 49.929   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.649 | 69   | 82350    | 55.046   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.932 | 76   | 116283   | 50.657   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 164784   | 263.985  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.973 | 43   | 173508   | 277.711  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.126 | 129  | 97103    | 50.314   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.232 | 107  | 71029    | 49.355   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.867 | 164  | 89577    | 48.480   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.655 | 112  | 260630   | 49.522   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 102402   | 51.198   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.732 | 91   | 472165   | 51.498   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.844 | 106  | 384529   | 104.991  | ug/l   | 99       |
| 69) o-Xylene                  | 12.167 | 106  | 177054   | 52.783   | ug/l   | 99       |
| 70) Styrene                   | 12.179 | 104  | 307801   | 54.190   | ug/l   | 99       |
| 71) Bromoform                 | 12.349 | 173  | 57711    | 52.428   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 469844   | 52.220   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.273 | 43   | 88015    | 51.221   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 79865    | 48.903   | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 53218m   | 45.043   | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 109233   | 50.836   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.808 | 91   | 579843   | 52.044   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 323736   | 51.621   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.943 | 105  | 405872   | 53.135   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.508 | 75   | 23996    | 54.206   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 340257   | 51.704   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.208 | 119  | 349130   | 53.806   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 407821   | 53.112   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.385 | 105  | 529113   | 52.918   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.496 | 119  | 449790   | 53.734   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.496 | 146  | 233791   | 51.831   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 228004   | 50.257   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.826 | 91   | 413756   | 52.778   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.090 | 117  | 84727    | 51.177   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 199526   | 51.508   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 13475    | 52.602   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.137 | 180  | 119683   | 52.773   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.243 | 225  | 67021    | 51.650   | ug/l   | 98       |
| 95) Naphthalene               | 15.373 | 128  | 224781   | 56.396   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 105126   | 52.711   | ug/l   | 96       |

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Quant Title : SW846 8260  
QLast Update : Wed Aug 10 14:55:58 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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