

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081022\  
 Data File : VD074033.D  
 Acq On : 10 Aug 2022 19:01  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/11/2022  
 Supervised By :Mahesh Dadoda 08/11/2022

Quant Time: Aug 10 20:03:38 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        | 7.973          | 168  | 142257              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855          | 114  | 230917              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 219135              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.555         | 152  | 116061              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.320          | 65   | 59430               | 53.490  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 106.980% |         |        |          |
| 35) Dibromofluoromethane     | 7.908          | 113  | 71519               | 46.631  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 93.260%  |         |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 195854              | 48.662  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 97.320%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 95792               | 50.788  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 101.580% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 63450               | 51.047  | ug/l   | 95       |
| 3) Chloromethane             | 2.208          | 50   | 104581              | 54.846  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.344          | 62   | 145910              | 48.190  | ug/l   | 98       |
| 5) Bromomethane              | 2.761          | 94   | 94096               | 45.108  | ug/l   | 98       |
| 6) Chloroethane              | 2.914          | 64   | 102523              | 47.317  | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 3.261          | 101  | 136514              | 47.365  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.703          | 74   | 36355               | 54.884  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 4.085          | 101  | 78748               | 47.757  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.291          | 142  | 84155               | 49.693  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.232          | 59   | 26047               | 357.539 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.061          | 96   | 70853               | 49.809  | ug/l   | 98       |
| 13) Acrolein                 | 3.914          | 56   | 31472               | 283.548 | ug/l   | 95       |
| 14) Allyl chloride           | 4.702          | 41   | 93264               | 51.008  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.414          | 53   | 77155               | 280.742 | ug/l   | 99       |
| 16) Acetone                  | 4.155          | 43   | 56295               | 247.319 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.397          | 76   | 221345              | 47.988  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.714          | 43   | 36422               | 56.922  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 177682              | 56.041  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.961          | 84   | 94436               | 63.074  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.467          | 96   | 84960               | 49.741  | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.361          | 45   | 212079              | 53.930  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.296          | 43   | 604314              | 58.360  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.255          | 63   | 138241              | 49.063  | ug/l   | 99       |
| 25) 2-Butanone               | 7.208          | 43   | 99305               | 278.978 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.202          | 77   | 128142              | 47.579  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.202          | 96   | 94250               | 51.632  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.538          | 49   | 59160               | 54.407  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.555          | 42   | 61741               | 281.736 | ug/l   | 96       |
| 30) Chloroform               | 7.696          | 83   | 161638              | 50.609  | ug/l   | 94       |
| 31) Cyclohexane              | 7.973          | 56   | 116604              | 46.705  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.891          | 97   | 148818              | 48.983  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.102          | 75   | 116390              | 49.868  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.285          | 43   | 46844               | 56.394  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 8.085          | 117  | 133689              | 50.808  | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.349          | 83   | 136408              | 51.522  | ug/l   | 98       |
| 40) Benzene                  | 8.343          | 78   | 324383              | 51.268  | ug/l   | 98       |

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 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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Reviewed By :Krupa Patel 08/11/2022  
 Supervised By :Mahesh Dadoda 08/11/2022

Quant Time: Aug 10 20:03:38 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   | 23415    | 51.583   | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 102888   | 52.753   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.443  | 43   | 92248    | 58.098   | ug/l   | 99       |
| 44) Trichloroethene           | 9.102  | 130  | 92140    | 49.501   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 78187    | 51.345   | ug/l   | 99       |
| 46) Dibromomethane            | 9.461  | 93   | 52180    | 53.217   | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.649  | 83   | 127647   | 52.332   | ug/l   | 92       |
| 48) Methyl methacrylate       | 9.449  | 41   | 41841    | 55.236   | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.449  | 88   | 11885    | 1240.188 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.214 | 43   | 238541   | 292.666  | ug/l   | 99       |
| 52) Toluene                   | 10.390 | 92   | 218232   | 51.673   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 113870   | 54.151   | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 129096   | 53.118   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.790 | 97   | 66784    | 53.588   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.649 | 69   | 75408    | 57.632   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 10.932 | 76   | 108903   | 54.244   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 160699   | 294.348  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.973 | 43   | 159629   | 292.125  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.126 | 129  | 90652    | 53.706   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.232 | 107  | 66818    | 53.085   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.867 | 164  | 78172    | 47.621   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.661 | 112  | 234359   | 50.123   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 91863    | 51.697   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.732 | 91   | 419675   | 51.522   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.843 | 106  | 343171   | 105.467  | ug/l   | 99       |
| 69) o-Xylene                  | 12.167 | 106  | 157759   | 52.938   | ug/l   | 98       |
| 70) Styrene                   | 12.179 | 104  | 280570   | 55.600   | ug/l   | 100      |
| 71) Bromoform                 | 12.343 | 173  | 53223    | 54.424   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 419234   | 51.953   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.273 | 43   | 87193    | 56.578   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 76755    | 52.403   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 52131m   | 49.196   | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 99602    | 51.684   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.808 | 91   | 519226   | 51.962   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 293269   | 52.140   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.943 | 105  | 364323   | 53.180   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 22865    | 57.591   | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.990 | 91   | 310741   | 52.649   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 306444   | 52.658   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 365994   | 53.146   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.384 | 105  | 466435   | 52.014   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.496 | 119  | 404299   | 53.853   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 211069   | 52.174   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.578 | 146  | 204795   | 50.332   | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.826 | 91   | 371328   | 52.812   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.090 | 117  | 75080    | 50.565   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 180323   | 51.904   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.484 | 75   | 13412    | 58.579   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.137 | 180  | 106791   | 52.504   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.243 | 225  | 56667    | 48.692   | ug/l   | 98       |
| 95) Naphthalene               | 15.378 | 128  | 206395   | 57.738   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.567 | 180  | 95205    | 53.226   | ug/l   | 98       |

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ClientSampleId :  
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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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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