

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102022\  
 Data File : VD074606.D  
 Acq On : 20 Oct 2022 19:09  
 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 10/21/2022  
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 21 03:10:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 20 06:41:20 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 83090               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 128555              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 111485              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 54392               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 28663               | 45.183  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 90.360%  |         |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 36515               | 51.296  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 102.600% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 120696              | 46.908  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 93.820%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 37344               | 50.468  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 100.940% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 29444               | 45.653  | ug/l   | 93       |
| 3) Chloromethane             | 2.146          | 50   | 44698               | 51.196  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.281          | 62   | 48945               | 50.694  | ug/l   | 99       |
| 5) Bromomethane              | 2.687          | 94   | 32675               | 44.690  | ug/l   | 99       |
| 6) Chloroethane              | 2.834          | 64   | 33992               | 51.208  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 69706               | 50.934  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.593          | 74   | 20322               | 51.275  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964          | 101  | 44844               | 50.812  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.164          | 142  | 47928               | 42.364  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.046          | 59   | 14365               | 232.122 | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 3.934          | 96   | 44005               | 49.851  | ug/l   | 89       |
| 13) Acrolein                 | 3.793          | 56   | 14166               | 208.499 | ug/l   | 94       |
| 14) Allyl chloride           | 4.564          | 41   | 46154               | 48.416  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.258          | 53   | 43516               | 268.651 | ug/l   | 99       |
| 16) Acetone                  | 4.017          | 43   | 29031               | 209.568 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.269          | 76   | 103404              | 42.809  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.564          | 43   | 19684               | 52.886  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 94551               | 54.814  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.799          | 84   | 51525               | 48.009  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.311          | 96   | 49772               | 50.579  | ug/l   | 83       |
| 22) Diisopropyl ether        | 6.216          | 45   | 104141              | 54.138  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.158          | 43   | 195228              | 232.085 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.111          | 63   | 75711               | 50.711  | ug/l   | 98       |
| 25) 2-Butanone               | 7.081          | 43   | 44699               | 241.303 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 69504               | 48.708  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 56204               | 51.495  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.428          | 49   | 22539               | 55.712  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 27341               | 270.613 | ug/l   | 99       |
| 30) Chloroform               | 7.599          | 83   | 85034               | 52.932  | ug/l   | 93       |
| 31) Cyclohexane              | 7.875          | 56   | 58163               | 45.643  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 76198               | 51.723  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 60103               | 52.043  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.169          | 43   | 20317               | 55.759  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.987          | 117  | 61241               | 54.154  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.275          | 83   | 67606               | 48.995  | ug/l   | 97       |
| 40) Benzene                  | 8.252          | 78   | 186381              | 54.379  | ug/l   | 98       |

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 Quant Title : SW846 8260  
 QLast Update : Thu Oct 20 06:41:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 10815    | 55.090   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 43316    | 54.766   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.363  | 43   | 38156    | 56.347   | ug/l   | 97       |
| 44) Trichloroethene           | 9.028  | 130  | 50052    | 49.848   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 39303    | 52.252   | ug/l   | 98       |
| 46) Dibromomethane            | 9.393  | 93   | 22892    | 52.741   | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.587  | 83   | 56454    | 52.569   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 16125    | 52.105   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 4876     | 1141.427 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 91446    | 271.499  | ug/l   | 98       |
| 52) Toluene                   | 10.334 | 92   | 113177   | 53.543   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 49535    | 52.463   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 61451    | 51.617   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 33138    | 55.568   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 37309    | 57.233   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 51807    | 53.552   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 35696    | 213.005  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.922 | 43   | 62587    | 272.243  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.075 | 129  | 39539    | 55.007   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 29853    | 54.840   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 40107    | 48.670   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.604 | 112  | 125297   | 53.356   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 44308    | 54.918   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.681 | 91   | 218994   | 53.555   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 174639   | 107.411  | ug/l   | 97       |
| 69) o-Xylene                  | 12.122 | 106  | 82691    | 54.648   | ug/l   | 95       |
| 70) Styrene                   | 12.134 | 104  | 142478   | 55.910   | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 23977    | 56.605   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 222548   | 52.463   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.234 | 43   | 32286    | 51.493   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 35273    | 52.526   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 26445m   | 55.681   | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 51025    | 53.296   | ug/l   | 95       |
| 78) n-propylbenzene           | 12.763 | 91   | 262198   | 52.301   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 140067   | 51.573   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 178962   | 51.972   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 8926     | 48.028   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 143137   | 51.299   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 165774   | 53.966   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 180090   | 53.146   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 240731   | 52.222   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 202808   | 52.516   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 102926   | 51.734   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 101766   | 52.251   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.787 | 91   | 183579   | 52.178   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.051 | 117  | 34635    | 51.527   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 90313    | 54.419   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.440 | 75   | 4953     | 53.332   | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 57274    | 52.316   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 31954    | 53.055   | ug/l   | 97       |
| 95) Naphthalene               | 15.328 | 128  | 113025   | 54.843   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 50108    | 53.394   | ug/l   | 97       |

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| 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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