

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111122\  
 Data File : VD074923.D  
 Acq On : 12 Nov 2022 08:20  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 11/14/2022  
 Supervised By :Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 01:01:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 114593              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 196986              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 187696              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 93919               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 45326               | 60.808  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 121.620% |         |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 57384               | 47.258  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 94.520%  |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 203149              | 50.788  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 101.580% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 66129               | 53.841  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 107.680% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928          | 85   | 40328               | 52.784  | ug/l   | 95       |
| 3) Chloromethane             | 2.140          | 50   | 73947               | 62.503  | ug/l   | 89       |
| 4) Vinyl Chloride            | 2.275          | 62   | 86756               | 53.993  | ug/l   | 100      |
| 5) Bromomethane              | 2.681          | 94   | 71606               | 59.531  | ug/l   | 98       |
| 6) Chloroethane              | 2.828          | 64   | 67962               | 57.597  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.170          | 101  | 100235              | 54.750  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.593          | 74   | 31528               | 60.064  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.964          | 101  | 64606               | 55.299  | ug/l   | 100      |
| 10) Methyl Iodide            | 4.164          | 142  | 73232               | 52.450  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.058          | 59   | 16740               | 306.752 | ug/l # | 96       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 65153               | 57.252  | ug/l   | 91       |
| 13) Acrolein                 | 3.793          | 56   | 7676                | 239.353 | ug/l   | 93       |
| 14) Allyl chloride           | 4.558          | 41   | 66648               | 54.753  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.252          | 53   | 65780               | 320.679 | ug/l   | 98       |
| 16) Acetone                  | 4.022          | 43   | 44557               | 235.535 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.264          | 76   | 177283              | 54.761  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.564          | 43   | 30929               | 63.186  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.311          | 73   | 143913              | 63.165  | ug/l   | 100      |
| 20) Methylene Chloride       | 4.799          | 84   | 104258              | 70.294  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.305          | 96   | 75494               | 58.500  | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.216          | 45   | 168134              | 61.971  | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.158          | 43   | 301880m             | 259.243 | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.111          | 63   | 119231              | 58.847  | ug/l   | 100      |
| 25) 2-Butanone               | 7.081          | 43   | 70120               | 283.453 | ug/l # | 88       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 94403               | 49.579  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 86665               | 60.534  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.428          | 49   | 42208               | 64.571  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.440          | 42   | 45495               | 332.251 | ug/l   | 98       |
| 30) Chloroform               | 7.599          | 83   | 136656              | 61.586  | ug/l   | 95       |
| 31) Cyclohexane              | 7.875          | 56   | 76126               | 45.567  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 102566              | 53.634  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.005          | 75   | 83490               | 46.784  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169          | 43   | 34038               | 56.841  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 76749               | 45.688  | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.275          | 83   | 93834               | 49.080  | ug/l   | 97       |
| 40) Benzene                  | 8.252          | 78   | 256551              | 49.995  | ug/l   | 99       |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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Reviewed By :Krupa Patel 11/14/2022  
 Supervised By :Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 01:01:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 14 00:51:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 17525    | 55.178   | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 64064    | 52.166   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.357  | 43   | 56098    | 53.188   | ug/l   | 98       |
| 44) Trichloroethene           | 9.028  | 130  | 71259    | 52.562   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 62256    | 53.994   | ug/l   | 97       |
| 46) Dibromomethane            | 9.393  | 93   | 36468    | 56.476   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.587  | 83   | 89364    | 55.763   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 24769    | 53.014   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 7816     | 1233.537 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 152498   | 303.292  | ug/l   | 97       |
| 52) Toluene                   | 10.334 | 92   | 172633   | 56.266   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 77048    | 54.425   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 92293    | 53.160   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 52481    | 58.451   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 57867    | 53.142   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 82435    | 57.108   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 92199    | 243.377  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.922 | 43   | 102481   | 292.371  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.075 | 129  | 62629    | 58.799   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 49363    | 58.786   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.810 | 164  | 61860    | 49.155   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.610 | 112  | 183282   | 49.916   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 65541    | 50.945   | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.687 | 91   | 322077   | 50.348   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.793 | 106  | 261001   | 102.331  | ug/l   | 99       |
| 69) o-Xylene                  | 12.122 | 106  | 119960   | 51.121   | ug/l   | 99       |
| 70) Styrene                   | 12.134 | 104  | 216199   | 53.748   | ug/l   | 99       |
| 71) Bromoform                 | 12.298 | 173  | 37879    | 56.891   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.422 | 105  | 320311   | 49.550   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 53582    | 50.379   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 59528    | 52.059   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 33683m   | 42.879   | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 76273    | 50.419   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.763 | 91   | 387874   | 48.813   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 208866   | 48.783   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 266230   | 49.427   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 14354    | 44.952   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 218978   | 49.113   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 227284   | 48.631   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 265520   | 49.842   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 343137   | 48.267   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 290961   | 49.220   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 156334   | 49.680   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 152191   | 48.729   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.787 | 91   | 254680   | 46.405   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 51290    | 48.444   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 137178   | 51.262   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 8045     | 51.030   | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 78960    | 48.474   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 39955    | 47.553   | ug/l   | 99       |
| 95) Naphthalene               | 15.334 | 128  | 158192   | 52.324   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 71662    | 50.873   | ug/l   | 100      |

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Sample : VSTDCCC050  
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ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 11/14/2022  
Supervised By :Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 01:01:01 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111122S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 14 00:51:58 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

