

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082422\  
 Data File : VD074231.D  
 Acq On : 24 Aug 2022 19:02  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Aug 25 05:03:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 23 13:12:17 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/25/2022  
 Supervised By :Mahesh Dadoda 08/25/2022

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 144422     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855          | 114  | 223875     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 217290     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.555         | 152  | 113710     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326          | 65   | 71801      | 48.653   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 97.300%  |        |          |
| 35) Dibromofluoromethane     | 7.902          | 113  | 77672      | 51.869   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 103.740% |        |          |
| 50) Toluene-d8               | 10.332         | 98   | 235884     | 48.944   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 97.880%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.614         | 95   | 98258      | 51.607   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 103.220% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 53914      | 44.486   | ug/l   | 96       |
| 3) Chloromethane             | 2.209          | 50   | 39441      | 45.677   | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.344          | 62   | 41817      | 46.132   | ug/l   | 95       |
| 5) Bromomethane              | 2.762          | 94   | 23871      | 40.776   | ug/l   | 93       |
| 6) Chloroethane              | 2.914          | 64   | 29179      | 49.602   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.262          | 101  | 128366     | 48.746   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.703          | 74   | 36117      | 51.038   | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 4.085          | 101  | 81251      | 50.993   | ug/l   | 96       |
| 10) Methyl Iodide            | 4.285          | 142  | 88349      | 45.890   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.220          | 59   | 26211      | 285.213  | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 4.056          | 96   | 69464      | 48.747   | ug/l   | 92       |
| 13) Acrolein                 | 3.926          | 56   | 8206       | 221.274  | ug/l   | 96       |
| 14) Allyl chloride           | 4.709          | 41   | 108333     | 48.560   | ug/l   | 95       |
| 15) Acrylonitrile            | 5.414          | 53   | 94537      | 287.316  | ug/l   | 96       |
| 16) Acetone                  | 4.156          | 43   | 73248      | 260.519  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.403          | 76   | 187170     | 41.096   | ug/l   | 98       |
| 18) Methyl Acetate           | 4.720          | 43   | 44798      | 54.077   | ug/l # | 90       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 181068     | 53.060   | ug/l   | 100      |
| 20) Methylene Chloride       | 4.956          | 84   | 97980      | 55.111   | ug/l   | 88       |
| 21) trans-1,2-Dichloroethene | 5.461          | 96   | 82049      | 49.242   | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.361          | 45   | 250192     | 54.684   | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.303          | 43   | 650908     | 252.178  | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 6.255          | 63   | 154223     | 51.129   | ug/l   | 99       |
| 25) 2-Butanone               | 7.208          | 43   | 116307     | 267.211  | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.203          | 77   | 135538     | 49.870   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.203          | 96   | 96243      | 51.399   | ug/l   | 92       |
| 28) Bromochloromethane       | 7.538          | 49   | 50739      | 55.650   | ug/l # | 78       |
| 29) Tetrahydrofuran          | 7.555          | 42   | 75715      | 288.243  | ug/l   | 92       |
| 30) Chloroform               | 7.702          | 83   | 170625     | 53.651   | ug/l   | 97       |
| 31) Cyclohexane              | 7.979          | 56   | 122550     | 46.654   | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 7.897          | 97   | 151347     | 51.355   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.102          | 75   | 123808     | 54.702   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.291          | 43   | 55294      | 61.963   | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 131541     | 54.103   | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.344          | 83   | 135336     | 47.453   | ug/l   | 97       |
| 40) Benzene                  | 8.344          | 78   | 341497     | 53.527   | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/25/2022  
 Supervised By :Mahesh Dadoda 08/25/2022

Quant Time: Aug 25 05:03:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 23 13:12:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 31607    | 58.922   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 104109   | 55.360   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 102099   | 56.879   | ug/l # | 93       |
| 44) Trichloroethene           | 9.102  | 130  | 96282    | 52.055   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 89914    | 56.459   | ug/l   | 94       |
| 46) Dibromomethane            | 9.467  | 93   | 50525    | 56.867   | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.649  | 83   | 129782   | 56.161   | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.449  | 41   | 45645    | 55.004   | ug/l # | 80       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 12221    | 1212.202 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 277752   | 309.720  | ug/l   | 95       |
| 52) Toluene                   | 10.391 | 92   | 227518   | 54.251   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 112446   | 53.656   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 137878   | 55.489   | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 69065    | 56.837   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.649 | 69   | 82814    | 59.658   | ug/l   | 85       |
| 57) 1,3-Dichloropropane       | 10.932 | 76   | 114966   | 56.617   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 91846    | 218.580  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.973 | 43   | 185049   | 306.045  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.126 | 129  | 89487    | 56.706   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 65948    | 55.639   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.867 | 164  | 78184    | 49.307   | ug/l   | 92       |
| 65) Chlorobenzene             | 11.655 | 112  | 243080   | 51.330   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 92262    | 51.821   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.732 | 91   | 429475   | 52.990   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.843 | 106  | 341859   | 105.901  | ug/l   | 98       |
| 69) o-Xylene                  | 12.167 | 106  | 158322   | 53.153   | ug/l   | 95       |
| 70) Styrene                   | 12.179 | 104  | 277838   | 54.406   | ug/l   | 96       |
| 71) Bromoform                 | 12.343 | 173  | 52320    | 54.034   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.467 | 105  | 422967   | 51.372   | ug/l   | 97       |
| 74) N-amyl acetate            | 12.273 | 43   | 93753    | 52.346   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 80953    | 55.052   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 61276m   | 55.189   | ug/l   |          |
| 77) Bromobenzene              | 12.743 | 156  | 98506    | 50.499   | ug/l   | 89       |
| 78) n-propylbenzene           | 12.802 | 91   | 531151   | 52.748   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.890 | 91   | 297132   | 51.102   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.943 | 105  | 368048   | 52.033   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 22311    | 51.676   | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 12.990 | 91   | 315027   | 51.216   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 311691   | 52.312   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 361857   | 52.565   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 474189   | 52.651   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.496 | 119  | 394963   | 53.149   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.496 | 146  | 201752   | 51.131   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 199495   | 50.183   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.826 | 91   | 370451   | 52.596   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.090 | 117  | 75192    | 49.875   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 174109   | 50.748   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.479 | 75   | 12747    | 52.951   | ug/l   | 82       |
| 93) 1,2,4-Trichlorobenzene    | 15.137 | 180  | 103838   | 49.591   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.243 | 225  | 58100    | 49.443   | ug/l   | 97       |
| 95) Naphthalene               | 15.373 | 128  | 204477   | 48.353   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.567 | 180  | 92166    | 50.471   | ug/l   | 98       |

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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 08/25/2022  
Supervised By :Mahesh Dadoda 08/25/2022

Quant Time: Aug 25 05:03:42 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082322S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 23 13:12:17 2022  
Response via : Initial Calibration

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

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

