

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD060622\  
 Data File : VD073477.D  
 Acq On : 06 Jun 2022 16:20  
 Operator : VA/SY  
 Sample : VD0606SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/soil  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0606SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 06/07/2022  
 Supervised By :Mahesh Dadoda 06/07/2022

Quant Time: Jun 07 01:13:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.973          | 168  | 292843              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.856          | 114  | 491579              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.632         | 117  | 476960              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561         | 152  | 254048              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.320          | 65   | 164074              | 50.698  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 101.400% |         |        |          |
| 35) Dibromofluoromethane     | 7.909          | 113  | 172573              | 53.201  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 106.400% |         |        |          |
| 50) Toluene-d8               | 10.326         | 98   | 615505              | 51.475  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 102.960% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.620         | 95   | 237856              | 56.682  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 113.360% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.985          | 85   | 56582               | 19.336  | ug/l   | 100      |
| 3) Chloromethane             | 2.209          | 50   | 53118               | 16.054  | ug/l   | 91       |
| 4) Vinyl Chloride            | 2.344          | 62   | 53219               | 17.589  | ug/l   | 99       |
| 5) Bromomethane              | 2.744          | 94   | 38989               | 17.476  | ug/l   | 95       |
| 6) Chloroethane              | 2.903          | 64   | 34312               | 18.448  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.262          | 101  | 113525              | 21.220  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.703          | 74   | 30440               | 20.706  | ug/l   | 82       |
| 9) 1,1,2-Trichlorotrifluo... | 4.079          | 101  | 67282               | 21.078  | ug/l   | 93       |
| 10) Methyl Iodide            | 4.285          | 142  | 55113               | 16.003  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.215          | 59   | 30867m              | 61.474  | ug/l   |          |
| 12) 1,1-Dichloroethene       | 4.056          | 96   | 57432               | 19.515  | ug/l   | 89       |
| 13) Acrolein                 | 3.920          | 56   | 13693               | 55.226  | ug/l   | 96       |
| 14) Allyl chloride           | 4.703          | 41   | 87155               | 18.347  | ug/l # | 91       |
| 15) Acrylonitrile            | 5.415          | 53   | 68553               | 101.978 | ug/l   | 99       |
| 16) Acetone                  | 4.150          | 43   | 54349               | 96.954  | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.397          | 76   | 162360              | 16.642  | ug/l   | 95       |
| 18) Methyl Acetate           | 4.709          | 43   | 35435               | 22.733  | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.473          | 73   | 136425              | 20.348  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.956          | 84   | 83714               | 21.248  | ug/l # | 82       |
| 21) trans-1,2-Dichloroethene | 5.462          | 96   | 70243               | 19.740  | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.356          | 45   | 197300              | 19.813  | ug/l # | 95       |
| 23) Vinyl Acetate            | 6.297          | 43   | 508247              | 95.682  | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 6.256          | 63   | 127608              | 19.963  | ug/l   | 98       |
| 25) 2-Butanone               | 7.203          | 43   | 81755               | 99.686  | ug/l # | 87       |
| 26) 2,2-Dichloropropane      | 7.197          | 77   | 113017              | 20.732  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.197          | 96   | 78821               | 20.019  | ug/l   | 89       |
| 28) Bromochloromethane       | 7.532          | 49   | 40614               | 18.443  | ug/l # | 76       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 51979               | 98.016  | ug/l   | 90       |
| 30) Chloroform               | 7.703          | 83   | 137921              | 20.668  | ug/l   | 99       |
| 31) Cyclohexane              | 7.973          | 56   | 106523              | 18.835  | ug/l # | 86       |
| 32) 1,1,1-Trichloroethane    | 7.891          | 97   | 123602              | 21.177  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.103          | 75   | 99747               | 20.446  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.279          | 43   | 38906               | 20.190  | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 109311              | 22.104  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.344          | 83   | 105610              | 19.425  | ug/l   | 93       |
| 40) Benzene                  | 8.344          | 78   | 290855              | 20.687  | ug/l   | 99       |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0606SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 06/07/2022  
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Quant Time: Jun 07 01:13:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 20146    | 17.944  | ug/l # | 82       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 82261    | 21.027  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 74506    | 20.918  | ug/l # | 91       |
| 44) Trichloroethene           | 9.103  | 130  | 79790    | 21.281  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 72942    | 20.600  | ug/l   | 99       |
| 46) Dibromomethane            | 9.467  | 93   | 40682    | 20.919  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.655  | 83   | 104842   | 21.070  | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.450  | 41   | 34077    | 19.016  | ug/l # | 78       |
| 49) 1,4-Dioxane               | 9.450  | 88   | 8709     | 433.649 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.214 | 43   | 190945   | 103.217 | ug/l   | 90       |
| 52) Toluene                   | 10.391 | 92   | 189135   | 21.287  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 95380    | 21.217  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 113607   | 21.118  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 59546    | 22.643  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.650 | 69   | 62038    | 21.218  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 10.932 | 76   | 95346    | 21.608  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 140678   | 114.132 | ug/l   | 95       |
| 59) 2-Hexanone                | 10.973 | 43   | 128729   | 105.547 | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.126 | 129  | 73815    | 22.511  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 55290    | 22.002  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.867 | 164  | 67364    | 21.564  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.661 | 112  | 209811   | 21.443  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 80444    | 22.168  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.732 | 91   | 354285   | 20.626  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.844 | 106  | 288020   | 43.159  | ug/l   | 99       |
| 69) o-Xylene                  | 12.167 | 106  | 131333   | 21.423  | ug/l   | 94       |
| 70) Styrene                   | 12.185 | 104  | 230679   | 21.871  | ug/l   | 97       |
| 71) Bromoform                 | 12.349 | 173  | 43764    | 23.433  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.467 | 105  | 347587   | 19.192  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.273 | 43   | 72191    | 18.272  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 64232    | 19.230  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.767 | 75   | 54071m   | 21.692  | ug/l   |          |
| 77) Bromobenzene              | 12.749 | 156  | 84568    | 19.836  | ug/l   | 90       |
| 78) n-propylbenzene           | 12.808 | 91   | 442929   | 19.481  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 255071   | 19.430  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 310870   | 20.263  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 20425    | 19.671  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 272766   | 19.823  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 250236   | 19.353  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 307784   | 20.308  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.385 | 105  | 394661   | 19.990  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 325489   | 20.225  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 180750   | 21.034  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 177483   | 20.460  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.826 | 91   | 301494   | 19.661  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 68087    | 20.446  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 157298   | 21.156  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 11636    | 22.748  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 87871    | 20.817  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 49839    | 20.952  | ug/l   | 97       |
| 95) Naphthalene               | 15.379 | 128  | 147210   | 19.994  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 76073    | 20.328  | ug/l   | 98       |

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Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :  
VD0606SBS01

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 06/07/2022  
Supervised By :Mahesh Dadoda 06/07/2022

Quant Time: Jun 07 01:13:02 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 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

