

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011923\  
 Data File : VD075138.D  
 Acq On : 19 Jan 2023 13:42  
 Operator : KP/SY  
 Sample : VD0119SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0119SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 01/20/2023  
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 00:36:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 19 01:32:27 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.881          | 168  | 83829               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 153965              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.587         | 117  | 136465              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 62602               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 46613               | 54.492  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 108.980% |         |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 48186               | 51.793  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 103.580% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 191939              | 52.397  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 104.800% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 60561               | 52.092  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 104.180% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 15907               | 22.503  | ug/l   | 97       |
| 3) Chloromethane             | 2.146          | 50   | 23546               | 21.744  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.281          | 62   | 22818               | 19.637  | ug/l   | 98       |
| 5) Bromomethane              | 2.681          | 94   | 16042               | 20.300  | ug/l   | 99       |
| 6) Chloroethane              | 2.834          | 64   | 16120               | 20.008  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 29804               | 20.180  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.587          | 74   | 9981                | 20.974  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 3.969          | 101  | 18677               | 20.484  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.164          | 142  | 22752               | 18.537  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.052          | 59   | 7557                | 126.634 | ug/l # | 89       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 20430               | 21.284  | ug/l   | 98       |
| 13) Acrolein                 | 3.805          | 56   | 7216                | 133.291 | ug/l   | 90       |
| 14) Allyl chloride           | 4.569          | 41   | 32719               | 21.004  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.252          | 53   | 21960               | 109.133 | ug/l   | 97       |
| 16) Acetone                  | 4.022          | 43   | 22144               | 98.151  | ug/l   | 91       |
| 17) Carbon Disulfide         | 4.269          | 76   | 66502               | 21.361  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.558          | 43   | 13403               | 21.856  | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 42983               | 21.437  | ug/l   | 95       |
| 20) Methylene Chloride       | 4.805          | 84   | 26866               | 17.794  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.322          | 96   | 22696               | 21.240  | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.216          | 45   | 63886               | 22.034  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.158          | 43   | 125896m             | 98.521  | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.116          | 63   | 38177               | 20.953  | ug/l   | 98       |
| 25) 2-Butanone               | 7.081          | 43   | 28912               | 106.030 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.069          | 77   | 32240               | 19.849  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 25198               | 21.633  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.428          | 49   | 11420               | 22.956  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.452          | 42   | 16473               | 105.920 | ug/l   | 100      |
| 30) Chloroform               | 7.604          | 83   | 39791               | 21.900  | ug/l   | 99       |
| 31) Cyclohexane              | 7.881          | 56   | 34576               | 20.154  | ug/l # | 96       |
| 32) 1,1,1-Trichloroethane    | 7.799          | 97   | 31863               | 20.355  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 29324               | 19.617  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.169          | 43   | 12404               | 20.597  | ug/l # | 97       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 24225               | 19.248  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.275          | 83   | 35500               | 19.271  | ug/l   | 97       |
| 40) Benzene                  | 8.252          | 78   | 89341               | 20.958  | ug/l   | 100      |

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 Sample : VD0119SBS01  
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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0119SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 01/20/2023  
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 00:36:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 19 01:32:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 8495     | 23.443  | ug/l # | 80       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 23029    | 20.566  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 22687    | 19.359  | ug/l   | 97       |
| 44) Trichloroethene           | 9.028  | 130  | 23099    | 19.269  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 21861    | 20.818  | ug/l   | 99       |
| 46) Dibromomethane            | 9.393  | 93   | 11270    | 20.350  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.587  | 83   | 28056    | 20.420  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.387  | 41   | 11062    | 19.303  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 2126     | 402.125 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 58474    | 103.903 | ug/l   | 98       |
| 52) Toluene                   | 10.334 | 92   | 54895    | 20.377  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 25559    | 19.663  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 32124    | 20.229  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 14960    | 20.412  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 18606    | 21.110  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 26421    | 20.980  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 31028    | 102.882 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.922 | 43   | 41547    | 102.101 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.075 | 129  | 17471    | 19.778  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 14310    | 20.436  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 18847    | 19.340  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.610 | 112  | 56897    | 20.347  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 18531    | 19.702  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.687 | 91   | 102592   | 20.382  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 79732    | 41.005  | ug/l   | 97       |
| 69) o-Xylene                  | 12.122 | 106  | 36843    | 20.200  | ug/l   | 97       |
| 70) Styrene                   | 12.140 | 104  | 63139    | 20.824  | ug/l   | 98       |
| 71) Bromoform                 | 12.304 | 173  | 9751     | 20.077  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.422 | 105  | 96410    | 19.497  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.240 | 43   | 20599    | 19.017  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 16138    | 20.483  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 10101m   | 19.052  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 21413    | 18.958  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.763 | 91   | 120091   | 19.763  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 67038    | 20.059  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 79755    | 19.686  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 4274     | 18.699  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 68679    | 19.988  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 66304    | 18.915  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 79383    | 19.952  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.351 | 105  | 102670   | 19.280  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 84557    | 19.395  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 43592    | 19.910  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 43371    | 20.134  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.792 | 91   | 83791    | 19.724  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 14947    | 19.415  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 37785    | 20.172  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 2280     | 18.927  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 22283    | 18.116  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 10361    | 17.188  | ug/l   | 96       |
| 95) Naphthalene               | 15.334 | 128  | 43712    | 17.852  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 18473    | 17.601  | ug/l   | 98       |

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Data File : VD075138.D  
Acq On : 19 Jan 2023 13:42  
Operator : KP/SY  
Sample : VD0119SBSD01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 20 00:36:53 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011823S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 19 01:32:27 2023  
Response via : Initial Calibration

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0119SBSD01

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 01/20/2023  
Supervised By :Mahesh Dadoda 01/20/2023

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

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

