

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030823\  
 Data File : VD075468.D  
 Acq On : 08 Mar 2023 14:07  
 Operator : KP/SY  
 Sample : VD0308SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 03/09/2023  
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 02:14:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D030723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 08 12:19:57 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 7.881          | 168  | 231016              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 398343              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.586         | 117  | 355479              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 172355              | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 81807               | 55.516 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 111.040% |        |        |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 109140              | 47.284 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 94.560%  |        |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 382825              | 45.804 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 91.600%  |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 123713              | 48.948 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 97.900%  |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 46244               | 20.295 | ug/l   | 94       |
| 3) Chloromethane             | 2.152          | 50   | 83762               | 22.091 | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.287          | 62   | 116962              | 21.436 | ug/l   | 98       |
| 5) Bromomethane              | 2.693          | 94   | 85384               | 19.386 | ug/l   | 97       |
| 6) Chloroethane              | 2.840          | 64   | 77603               | 21.442 | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.181          | 101  | 91536               | 21.466 | ug/l   | 93       |
| 8) Diethyl Ether             | 3.599          | 74   | 22551               | 19.563 | ug/l   | 63       |
| 9) 1,1,2-Trichlorotrifluo... | 3.975          | 101  | 55303               | 19.829 | ug/l   | 95       |
| 10) Methyl Iodide            | 4.163          | 142  | 57996               | 18.807 | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.063          | 59   | 8713                | 91.286 | ug/l # | 100      |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 53371               | 19.372 | ug/l   | 93       |
| 13) Acrolein                 | 3.799          | 56   | 19499               | 88.243 | ug/l   | 98       |
| 14) Allyl chloride           | 4.563          | 41   | 47684               | 19.660 | ug/l # | 83       |
| 15) Acrylonitrile            | 5.263          | 53   | 39849               | 93.287 | ug/l   | 97       |
| 16) Acetone                  | 4.022          | 43   | 33155               | 89.099 | ug/l # | 82       |
| 17) Carbon Disulfide         | 4.275          | 76   | 179441              | 20.423 | ug/l   | 99       |
| 18) Methyl Acetate           | 4.569          | 43   | 20877               | 18.686 | ug/l # | 72       |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 90625               | 19.280 | ug/l   | 96       |
| 20) Methylene Chloride       | 4.805          | 84   | 73588               | 21.641 | ug/l # | 74       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 61168               | 19.889 | ug/l # | 75       |
| 22) Diisopropyl ether        | 6.216          | 45   | 103628              | 20.181 | ug/l # | 88       |
| 23) Vinyl Acetate            | 6.157          | 43   | 242896              | 96.064 | ug/l # | 84       |
| 24) 1,1-Dichloroethane       | 6.110          | 63   | 91033               | 20.507 | ug/l # | 96       |
| 25) 2-Butanone               | 7.081          | 43   | 42884               | 89.087 | ug/l # | 67       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 82178               | 20.465 | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene   | 7.075          | 96   | 65537               | 19.808 | ug/l   | 83       |
| 28) Bromochloromethane       | 7.428          | 49   | 30864               | 20.779 | ug/l # | 53       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 24471               | 91.906 | ug/l # | 57       |
| 30) Chloroform               | 7.598          | 83   | 99114               | 20.520 | ug/l   | 97       |
| 31) Cyclohexane              | 7.881          | 56   | 75305               | 20.309 | ug/l # | 74       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 85607               | 20.030 | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.004          | 75   | 78437               | 20.123 | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.169          | 43   | 18991               | 18.893 | ug/l # | 84       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 72378               | 20.051 | ug/l   | 92       |
| 39) Methylcyclohexane        | 9.275          | 83   | 95955               | 19.637 | ug/l   | 92       |
| 40) Benzene                  | 8.251          | 78   | 235031              | 20.757 | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030823\  
 Data File : VD075468.D  
 Acq On : 08 Mar 2023 14:07  
 Operator : KP/SY  
 Sample : VD0308SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 03/09/2023  
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 02:14:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D030723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 08 12:19:57 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.398  | 41   | 10457    | 19.471  | ug/l # | 66       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 50593    | 19.888  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 34038    | 17.725  | ug/l # | 72       |
| 44) Trichloroethene           | 9.034  | 130  | 63731    | 19.065  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 49087    | 19.702  | ug/l   | 93       |
| 46) Dibromomethane            | 9.398  | 93   | 30923    | 20.499  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.587  | 83   | 71955    | 19.785  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.387  | 41   | 16908    | 18.649  | ug/l # | 62       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 5022     | 351.055 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 89275    | 90.935  | ug/l # | 79       |
| 52) Toluene                   | 10.334 | 92   | 150881   | 20.569  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 66226    | 20.073  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 81681    | 20.088  | ug/l # | 78       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 41839    | 19.890  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 39293    | 18.794  | ug/l # | 66       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 64939    | 19.468  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 97823    | 95.172  | ug/l # | 89       |
| 59) 2-Hexanone                | 10.922 | 43   | 62865    | 90.769  | ug/l   | 71       |
| 60) Dibromochloromethane      | 11.075 | 129  | 49261    | 19.646  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.187 | 107  | 39366    | 19.817  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 51831    | 19.133  | ug/l   | 89       |
| 65) Chlorobenzene             | 11.610 | 112  | 156966   | 19.823  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 53002    | 19.719  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.686 | 91   | 265162   | 19.610  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.792 | 106  | 220667   | 40.075  | ug/l   | 92       |
| 69) o-Xylene                  | 12.128 | 106  | 97726    | 19.521  | ug/l   | 93       |
| 70) Styrene                   | 12.139 | 104  | 168085   | 19.799  | ug/l   | 94       |
| 71) Bromoform                 | 12.304 | 173  | 26755    | 19.329  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 258810   | 20.162  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.239 | 43   | 31376    | 19.094  | ug/l # | 74       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 42513    | 19.403  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 27212m   | 19.929  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 60730    | 20.175  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.769 | 91   | 318370   | 20.464  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 170422   | 20.271  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 210185   | 20.038  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 12730    | 19.341  | ug/l # | 72       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 179652   | 20.623  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 174311   | 19.384  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 212614   | 20.587  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.351 | 105  | 284002   | 20.327  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 233355   | 20.096  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 125683   | 20.094  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 123675   | 20.060  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.792 | 91   | 216588   | 20.073  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 46297    | 20.551  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 105643   | 19.745  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 5352     | 18.597  | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 58537    | 19.428  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 30269    | 19.857  | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 97665    | 17.264  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.527 | 180  | 48750    | 18.653  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030823\  
Data File : VD075468.D  
Acq On : 08 Mar 2023 14:07  
Operator : KP/SY  
Sample : VD0308SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0308SBS01

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 03/09/2023  
Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 02:14:42 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D030723S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 08 12:19:57 2023  
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030823\  
 Data File : VD075468.D  
 Acq On : 08 Mar 2023 14:07  
 Operator : KP/SY  
 Sample : VD0308SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0308SBS01

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/09/2023  
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 02:14:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D030723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 08 12:19:57 2023  
 Response via : Initial Calibration

