

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051524\  
 Data File : VD078929.D  
 Acq On : 15 May 2024 13:29  
 Operator : RP/MD  
 Sample : VD0515SBS01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0515SBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2024  
 Supervised By :Semsettin Yesilyurt 05/16/2024

Quant Time: May 16 01:24:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 14 06:21:28 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 123406              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 200397              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 186663              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 98806               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 61612               | 53.226  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 106.460% |         |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 70239               | 52.654  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 105.300% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 273931              | 54.777  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 109.560% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.569         | 95   | 76542               | 54.483  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 108.960% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 26149               | 22.677  | ug/l   | 98       |
| 3) Chloromethane             | 2.146          | 50   | 36690               | 21.984  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.287          | 62   | 61913               | 24.754  | ug/l   | 99       |
| 5) Bromomethane              | 2.693          | 94   | 54538               | 23.051  | ug/l   | 98       |
| 6) Chloroethane              | 2.834          | 64   | 47818               | 21.664  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 49819               | 20.613  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.587          | 74   | 13106               | 23.540  | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964          | 101  | 30149               | 23.624  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.158          | 142  | 32868               | 21.556  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.052          | 59   | 5867                | 116.200 | ug/l # | 91       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 27541               | 22.046  | ug/l   | 99       |
| 13) Acrolein                 | 3.793          | 56   | 10857               | 94.220  | ug/l   | 95       |
| 14) Allyl chloride           | 4.564          | 41   | 26291               | 21.568  | ug/l   | 96       |
| 15) Acrylonitrile            | 5.258          | 53   | 23348               | 104.348 | ug/l   | 97       |
| 16) Acetone                  | 4.022          | 43   | 17332               | 93.907  | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.269          | 76   | 89453               | 23.637  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.569          | 43   | 9128                | 21.479  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 51070               | 20.980  | ug/l # | 83       |
| 20) Methylene Chloride       | 4.805          | 84   | 39345               | 23.726  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.311          | 96   | 31929               | 22.931  | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.216          | 45   | 61102               | 22.162  | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.158          | 43   | 176962              | 107.011 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.116          | 63   | 49696               | 22.737  | ug/l   | 100      |
| 25) 2-Butanone               | 7.081          | 43   | 24667               | 99.927  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 41253               | 21.478  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 34684               | 21.213  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.428          | 49   | 15625               | 21.436  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 15218               | 106.584 | ug/l   | 97       |
| 30) Chloroform               | 7.593          | 83   | 53139               | 21.465  | ug/l   | 94       |
| 31) Cyclohexane              | 7.881          | 56   | 37501               | 22.175  | ug/l # | 96       |
| 32) 1,1,1-Trichloroethane    | 7.799          | 97   | 47403               | 22.360  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 36829               | 22.186  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.175          | 43   | 12385               | 21.892  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 43888               | 22.592  | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.275          | 83   | 45729               | 22.672  | ug/l   | 94       |
| 40) Benzene                  | 8.252          | 78   | 118966              | 22.158  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051524\  
 Data File : VD078929.D  
 Acq On : 15 May 2024 13:29  
 Operator : RP/MD  
 Sample : VD0515SBS01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0515SBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2024  
 Supervised By :Semsettin Yesilyurt 05/16/2024

Quant Time: May 16 01:24:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 14 06:21:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 5845     | 19.201  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 28145    | 21.657  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 21037    | 20.957  | ug/l # | 88       |
| 44) Trichloroethene           | 9.034  | 130  | 31165    | 21.884  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.310  | 63   | 25855    | 21.914  | ug/l   | 94       |
| 46) Dibromomethane            | 9.393  | 93   | 17110    | 22.029  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.587  | 83   | 41294    | 22.086  | ug/l # | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 9330     | 19.093  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 3205     | 469.099 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 57335    | 107.236 | ug/l   | 98       |
| 52) Toluene                   | 10.334 | 92   | 77687    | 22.604  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 33950    | 21.369  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 41694    | 21.864  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 21965    | 21.889  | ug/l   | 90       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 20919    | 20.262  | ug/l # | 93       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 33636    | 21.526  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 42082    | 94.865  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.922 | 43   | 40474    | 108.758 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.069 | 129  | 29784    | 21.773  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 20577    | 22.490  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 26143    | 22.075  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.604 | 112  | 86688    | 22.327  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 29069    | 21.656  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.687 | 91   | 134696   | 21.568  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.793 | 106  | 111618   | 43.961  | ug/l   | 96       |
| 69) o-Xylene                  | 12.122 | 106  | 49616    | 21.435  | ug/l   | 94       |
| 70) Styrene                   | 12.134 | 104  | 90547    | 22.071  | ug/l   | 100      |
| 71) Bromoform                 | 12.298 | 173  | 16845    | 21.908  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 126339   | 21.423  | ug/l   | 97       |
| 74) N-amyl acetate            | 12.234 | 43   | 21055    | 22.004  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 24011    | 22.572  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.716 | 75   | 14785m   | 21.255  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 32711    | 21.093  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.763 | 91   | 160390   | 22.502  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 86850    | 21.922  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 108748   | 22.195  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 7282     | 20.760  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 93310    | 22.451  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.169 | 119  | 94964    | 21.916  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 109986   | 21.672  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 141900   | 21.953  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 120063   | 21.320  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 66733    | 20.335  | ug/l   | 93       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 67651    | 21.050  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.787 | 91   | 106497   | 21.104  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.051 | 117  | 26500    | 22.309  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 58568    | 21.330  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 2857     | 20.174  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 34133    | 21.172  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 18281    | 21.698  | ug/l   | 96       |
| 95) Naphthalene               | 15.334 | 128  | 55504    | 20.211  | ug/l # | 95       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 28547    | 19.905  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051524\  
Data File : VD078929.D  
Acq On : 15 May 2024 13:29  
Operator : RP/MD  
Sample : VD0515SBSD01  
Misc : 5.00G/5ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0515SBSD01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2024  
Supervised By :Semsettin Yesilyurt 05/16/2024

Quant Time: May 16 01:24:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 14 06:21:28 2024  
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\VD051524\  
 Data File : VD078929.D  
 Acq On : 15 May 2024 13:29  
 Operator : RP/MD  
 Sample : VD0515SBS01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0515SBS01

### Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 05/16/2024  
 Supervised By : Semsettin Yesilyurt 05/16/2024

Quant Time: May 16 01:24:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 14 06:21:28 2024  
 Response via : Initial Calibration

