

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080224\  
 Data File : VD079560.D  
 Acq On : 03 Aug 2024 01:18  
 Operator : RP/MD  
 Sample : VD0802SBS03  
 Misc : 5.01G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0802SBS03

Quant Time: Aug 03 01:54:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2024  
 Supervised By :Semsettin Yesilyurt 08/05/2024

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 197635              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 369254              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 342904              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 173105              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 120223              | 59.878  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 119.760% |         |        |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 126673              | 50.684  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 101.360% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 486195              | 50.094  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 100.180% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.569         | 95   | 141524              | 50.389  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 100.780% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 29060               | 18.766  | ug/l   | 99       |
| 3) Chloromethane             | 2.146          | 50   | 59053               | 20.697  | ug/l   | 93       |
| 4) Vinyl Chloride            | 2.281          | 62   | 67092               | 19.777  | ug/l   | 95       |
| 5) Bromomethane              | 2.675          | 94   | 46066               | 19.929  | ug/l   | 96       |
| 6) Chloroethane              | 2.828          | 64   | 41494               | 19.034  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.169          | 101  | 65051               | 19.281  | ug/l   | 95       |
| 8) Diethyl Ether             | 3.599          | 74   | 23892               | 23.443  | ug/l   | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 3.963          | 101  | 41755               | 19.568  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.158          | 142  | 49658               | 20.688  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.057          | 59   | 13043               | 143.790 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 41119               | 19.256  | ug/l   | 93       |
| 13) Acrolein                 | 3.799          | 56   | 14390               | 92.536  | ug/l   | 98       |
| 14) Allyl chloride           | 4.563          | 41   | 58777               | 20.844  | ug/l # | 87       |
| 15) Acrylonitrile            | 5.257          | 53   | 55805               | 117.181 | ug/l   | 98       |
| 16) Acetone                  | 4.022          | 43   | 36358               | 93.179  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.269          | 76   | 132258              | 18.763  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.558          | 43   | 35618               | 29.400  | ug/l # | 82       |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 98487               | 22.595  | ug/l   | 94       |
| 20) Methylene Chloride       | 4.793          | 84   | 75572               | 16.568  | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.310          | 96   | 47890               | 19.963  | ug/l   | 85       |
| 22) Diisopropyl ether        | 6.216          | 45   | 146438              | 23.340  | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.157          | 43   | 486087              | 103.065 | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 6.110          | 63   | 92977               | 22.114  | ug/l   | 95       |
| 25) 2-Butanone               | 7.087          | 43   | 59813               | 108.124 | ug/l   | 90       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 57477               | 16.901  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 59055               | 21.537  | ug/l   | 89       |
| 28) Bromochloromethane       | 7.422          | 49   | 43659               | 23.680  | ug/l # | 69       |
| 29) Tetrahydrofuran          | 7.451          | 42   | 41090               | 119.856 | ug/l # | 80       |
| 30) Chloroform               | 7.593          | 83   | 96217               | 22.598  | ug/l   | 98       |
| 31) Cyclohexane              | 7.881          | 56   | 58253               | 17.470  | ug/l # | 91       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 74438               | 21.187  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 59318               | 17.389  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.169          | 43   | 30851               | 22.058  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 63758               | 17.780  | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.275          | 83   | 61483               | 15.106  | ug/l   | 90       |
| 40) Benzene                  | 8.251          | 78   | 207038              | 19.109  | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080224\  
 Data File : VD079560.D  
 Acq On : 03 Aug 2024 01:18  
 Operator : RP/MD  
 Sample : VD0802SBS03  
 Misc : 5.01G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0802SBS03

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2024  
 Supervised By :Semsettin Yesilyurt 08/05/2024

Quant Time: Aug 03 01:54:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 17183m   | 22.335  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 51939    | 20.117  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 51911    | 19.749  | ug/l   | 98       |
| 44) Trichloroethene           | 9.028  | 130  | 47453    | 17.594  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 52508    | 19.914  | ug/l   | 93       |
| 46) Dibromomethane            | 9.393  | 93   | 30013    | 20.533  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.581  | 83   | 73212    | 20.398  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.381  | 41   | 23564    | 20.031  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 6086     | 401.815 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 142831   | 106.429 | ug/l   | 93       |
| 52) Toluene                   | 10.334 | 92   | 128623   | 19.195  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 62986    | 19.003  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 74704    | 18.737  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 40130    | 20.841  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 44533    | 19.519  | ug/l # | 87       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 66887    | 20.442  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 102027   | 96.968  | ug/l   | 93       |
| 59) 2-Hexanone                | 10.922 | 43   | 97164    | 103.812 | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.075 | 129  | 50983    | 20.268  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 37738    | 20.920  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.810 | 164  | 42292    | 18.291  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.604 | 112  | 145351   | 19.142  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 49847    | 19.953  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.681 | 91   | 224170   | 18.034  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.792 | 106  | 184100   | 37.330  | ug/l   | 94       |
| 69) o-Xylene                  | 12.122 | 106  | 83836    | 18.546  | ug/l   | 90       |
| 70) Styrene                   | 12.134 | 104  | 153690   | 19.393  | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 29470    | 20.866  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.416 | 105  | 208181   | 18.520  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 50649    | 19.893  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 47757    | 21.237  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 29450m   | 19.463  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 56837    | 19.582  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.763 | 91   | 257249   | 17.778  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 150027   | 18.620  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 178992   | 18.562  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 13682    | 17.246  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 160383   | 19.095  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 148822   | 18.405  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 183257   | 19.162  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.339 | 105  | 227511   | 17.739  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 186097   | 18.028  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 110842   | 18.435  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 109625   | 18.545  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.781 | 91   | 167483   | 17.596  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 41166    | 18.351  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 98405    | 19.150  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 6101     | 20.389  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.092 | 180  | 54066    | 16.700  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 28382    | 16.243  | ug/l   | 95       |
| 95) Naphthalene               | 15.328 | 128  | 107413   | 19.169  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 48282    | 16.953  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080224\  
Data File : VD079560.D  
Acq On : 03 Aug 2024 01:18  
Operator : RP/MD  
Sample : VD0802SBSD03  
Misc : 5.01G/5.0ml/MSVOA\_D/SOIL/A  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0802SBSD03

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 08/05/2024  
Supervised By :Semsettin Yesilyurt 08/05/2024

Quant Time: Aug 03 01:54:02 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
Response via : Initial Calibration

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

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

