

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020824\  
 Data File : VD078381.D  
 Acq On : 08 Feb 2024 20:46  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/09/2024  
 Supervised By :Mahesh Dadoda 02/09/2024

Quant Time: Feb 09 03:15:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D013024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 01 03:58:19 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| -----                        |                |      |            |         |       |          |
| Internal Standards           |                |      |            |         |       |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 89079      | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 162932     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 158992     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 80072      | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 53400      | 48.425  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 96.840% |       |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 54139      | 46.673  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 93.340% |       |          |
| 50) Toluene-d8               | 10.269         | 98   | 194705     | 44.335  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 88.680% |       |          |
| 62) 4-Bromofluorobenzene     | 12.569         | 95   | 61659      | 46.883  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 93.760% |       |          |
| Target Compounds             |                |      |            |         |       |          |
|                              |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 53703      | 58.069  | ug/l  | 99       |
| 3) Chloromethane             | 2.152          | 50   | 118860     | 64.143  | ug/l  | 100      |
| 4) Vinyl Chloride            | 2.275          | 62   | 151132     | 61.829  | ug/l  | 95       |
| 5) Bromomethane              | 2.681          | 94   | 75043      | 50.712  | ug/l  | 100      |
| 6) Chloroethane              | 2.828          | 64   | 108688     | 64.376  | ug/l  | 96       |
| 7) Trichlorofluoromethane    | 3.164          | 101  | 116349     | 56.222  | ug/l  | 97       |
| 8) Diethyl Ether             | 3.593          | 74   | 41328      | 67.508  | ug/l  | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 3.958          | 101  | 70282      | 55.338  | ug/l  | 94       |
| 10) Methyl Iodide            | 4.152          | 142  | 67332      | 58.281  | ug/l  | # 85     |
| 11) Tert butyl alcohol       | 5.069          | 59   | 23830      | 338.786 | ug/l  | 99       |
| 12) 1,1-Dichloroethene       | 3.940          | 96   | 68684      | 56.047  | ug/l  | 90       |
| 13) Acrolein                 | 3.793          | 56   | 16943      | 202.660 | ug/l  | 96       |
| 14) Allyl chloride           | 4.558          | 41   | 95716      | 59.241  | ug/l  | # 89     |
| 15) Acrylonitrile            | 5.258          | 53   | 89608      | 331.151 | ug/l  | 98       |
| 16) Acetone                  | 4.028          | 43   | 70284      | 273.267 | ug/l  | # 83     |
| 17) Carbon Disulfide         | 4.263          | 76   | 235803     | 56.997  | ug/l  | # 93     |
| 18) Methyl Acetate           | 4.569          | 43   | 44793      | 76.210  | ug/l  | 90       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 179313     | 70.357  | ug/l  | 100      |
| 20) Methylene Chloride       | 4.799          | 84   | 105005     | 80.323  | ug/l  | # 86     |
| 21) trans-1,2-Dichloroethene | 5.310          | 96   | 85096      | 61.414  | ug/l  | 95       |
| 22) Diisopropyl ether        | 6.216          | 45   | 228301     | 66.406  | ug/l  | 94       |
| 23) Vinyl Acetate            | 6.157          | 43   | 689735     | 328.835 | ug/l  | # 91     |
| 24) 1,1-Dichloroethane       | 6.110          | 63   | 147345     | 61.909  | ug/l  | 97       |
| 25) 2-Butanone               | 7.081          | 43   | 112233     | 305.435 | ug/l  | # 84     |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 106419     | 54.738  | ug/l  | 93       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 98506      | 64.145  | ug/l  | 94       |
| 28) Bromochloromethane       | 7.428          | 49   | 39505      | 46.537  | ug/l  | # 77     |
| 29) Tetrahydrofuran          | 7.446          | 42   | 70863      | 360.488 | ug/l  | 86       |
| 30) Chloroform               | 7.593          | 83   | 161076     | 66.192  | ug/l  | 97       |
| 31) Cyclohexane              | 7.875          | 56   | 112623     | 54.532  | ug/l  | 87       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 129040     | 61.529  | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 8.004          | 75   | 113501     | 59.007  | ug/l  | 96       |
| 37) Ethyl Acetate            | 7.169          | 43   | 48778      | 65.888  | ug/l  | 96       |
| 38) Carbon Tetrachloride     | 7.987          | 117  | 115379     | 61.005  | ug/l  | 97       |
| 39) Methylcyclohexane        | 9.275          | 83   | 133023     | 58.492  | ug/l  | 92       |
| 40) Benzene                  | 8.251          | 78   | 346002     | 61.650  | ug/l  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020824\  
 Data File : VD078381.D  
 Acq On : 08 Feb 2024 20:46  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/09/2024  
 Supervised By : Mahesh Dadoda 02/09/2024

Quant Time: Feb 09 03:15:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D013024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 01 03:58:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.404  | 41   | 26230    | 65.903   | ug/l # | 90       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 94084    | 64.634   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 93407    | 70.369   | ug/l # | 90       |
| 44) Trichloroethene           | 9.028  | 130  | 84410    | 61.249   | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 86951    | 63.365   | ug/l   | 94       |
| 46) Dibromomethane            | 9.393  | 93   | 49737    | 65.326   | ug/l   | 89       |
| 47) Bromodichloromethane      | 9.581  | 83   | 125129   | 66.799   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.381  | 41   | 45929    | 72.410   | ug/l # | 76       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 13083    | 1531.847 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 260014   | 362.104  | ug/l   | 90       |
| 52) Toluene                   | 10.334 | 92   | 217685   | 63.945   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 113982   | 65.145   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 135428   | 65.380   | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 68094    | 68.537   | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.593 | 69   | 81448    | 72.274   | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 119324   | 69.652   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 130275   | 254.203  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.922 | 43   | 183479   | 339.276  | ug/l   | 87       |
| 60) Dibromochloromethane      | 11.069 | 129  | 81867    | 70.983   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 63324    | 67.507   | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.804 | 164  | 71207    | 64.213   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.604 | 112  | 233794   | 61.464   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 86778    | 64.076   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.681 | 91   | 428107   | 62.133   | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.792 | 106  | 331469   | 125.044  | ug/l   | 88       |
| 69) o-Xylene                  | 12.116 | 106  | 156553   | 64.264   | ug/l   | 88       |
| 70) Styrene                   | 12.134 | 104  | 275103   | 66.127   | ug/l   | 95       |
| 71) Bromoform                 | 12.298 | 173  | 48068    | 72.066   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 393768   | 58.123   | ug/l   | 95       |
| 74) N-amyl acetate            | 12.234 | 43   | 91564    | 65.348   | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 82509    | 63.065   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 52454m   | 62.676   | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 91606    | 61.445   | ug/l   | 84       |
| 78) n-propylbenzene           | 12.763 | 91   | 493908   | 58.525   | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 274857   | 60.840   | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 337157   | 61.174   | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 24685    | 58.661   | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 289287   | 60.065   | ug/l   | 92       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 271762   | 57.788   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 342334   | 61.393   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 436461   | 59.135   | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 367777   | 60.837   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 189376   | 61.144   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 190789   | 62.260   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 346014   | 58.738   | ug/l   | 96       |
| 90) Hexachloroethane          | 14.051 | 117  | 71161    | 58.934   | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 168182   | 63.472   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.439 | 75   | 11758    | 64.112   | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 95922    | 62.586   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 44361    | 59.068   | ug/l   | 97       |
| 95) Naphthalene               | 15.328 | 128  | 209509   | 68.560   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 89173    | 66.079   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020824\  
Data File : VD078381.D  
Acq On : 08 Feb 2024 20:46  
Operator : RP/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ml/MSVOA\_D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/09/2024  
Supervised By :Mahesh Dadoda 02/09/2024

Quant Time: Feb 09 03:15:07 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D013024S.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 01 03:58:19 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\VD020824\  
 Data File : VD078381.D  
 Acq On : 08 Feb 2024 20:46  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Feb 09 03:15:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D013024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 01 03:58:19 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/09/2024  
 Supervised By : Mahesh Dadoda 02/09/2024

