

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121323\  
 Data File : VD077855.D  
 Acq On : 13 Dec 2023 12:03  
 Operator : RP/MD  
 Sample : VD1213SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1213SBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 12/14/2023  
 Supervised By :Semsettin Yesilyurt 12/14/2023

Quant Time: Dec 14 01:50:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 08 13:33:18 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 138054     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 244094     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 222952     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 113357     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 70558      | 43.373  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 86.740% |        |          |
| 35) Dibromofluoromethane     | 7.810          | 113  | 73025      | 42.710  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 85.420% |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 294193     | 42.961  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 85.920% |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 86360      | 42.181  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 84.360% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 38000      | 22.035  | ug/l   | 99       |
| 3) Chloromethane             | 2.152          | 50   | 52718      | 22.427  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.287          | 62   | 70130      | 21.977  | ug/l   | 95       |
| 5) Bromomethane              | 2.693          | 94   | 44563      | 24.887  | ug/l   | 97       |
| 6) Chloroethane              | 2.840          | 64   | 48976      | 22.511  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.187          | 101  | 61784      | 21.022  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.599          | 74   | 17083      | 20.700  | ug/l   | 82       |
| 9) 1,1,2-Trichlorotrifluo... | 3.975          | 101  | 34817      | 20.708  | ug/l   | 95       |
| 10) Methyl Iodide            | 4.175          | 142  | 33032      | 26.135  | ug/l   | 91       |
| 11) Tert butyl alcohol       | 5.058          | 59   | 8451       | 101.167 | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 3.952          | 96   | 35579      | 21.440  | ug/l # | 81       |
| 13) Acrolein                 | 3.805          | 56   | 16667      | 96.855  | ug/l   | 97       |
| 14) Allyl chloride           | 4.569          | 41   | 46303      | 20.288  | ug/l   | 93       |
| 15) Acrylonitrile            | 5.263          | 53   | 37842      | 107.095 | ug/l   | 98       |
| 16) Acetone                  | 4.022          | 43   | 51601      | 131.860 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.281          | 76   | 114922     | 20.470  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.569          | 43   | 26719      | 20.855  | ug/l # | 88       |
| 19) Methyl tert-butyl Ether  | 5.322          | 73   | 74447      | 21.145  | ug/l   | 94       |
| 20) Methylene Chloride       | 4.811          | 84   | 44728      | 20.344  | ug/l # | 88       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 40401      | 21.494  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.228          | 45   | 98317      | 20.614  | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.158          | 43   | 242354     | 104.055 | ug/l # | 89       |
| 24) 1,1-Dichloroethane       | 6.116          | 63   | 67311      | 20.840  | ug/l   | 94       |
| 25) 2-Butanone               | 7.081          | 43   | 53800      | 112.023 | ug/l # | 84       |
| 26) 2,2-Dichloropropane      | 7.081          | 77   | 58192      | 21.459  | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene   | 7.087          | 96   | 44121      | 21.815  | ug/l   | 90       |
| 28) Bromochloromethane       | 7.434          | 49   | 27586      | 21.137  | ug/l # | 74       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 28019      | 108.162 | ug/l # | 85       |
| 30) Chloroform               | 7.599          | 83   | 69031      | 21.355  | ug/l   | 97       |
| 31) Cyclohexane              | 7.881          | 56   | 59287      | 20.490  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 59914      | 21.025  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.016          | 75   | 53661      | 19.621  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.169          | 43   | 16988      | 15.930  | ug/l # | 69       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 54090      | 19.838  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.275          | 83   | 64531      | 19.903  | ug/l   | 91       |
| 40) Benzene                  | 8.252          | 78   | 156379     | 20.146  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121323\  
 Data File : VD077855.D  
 Acq On : 13 Dec 2023 12:03  
 Operator : RP/MD  
 Sample : VD1213SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1213SBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 12/14/2023  
 Supervised By :Semsettin Yesilyurt 12/14/2023

Quant Time: Dec 14 01:50:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 08 13:33:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 9562     | 17.642  | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.334  | 62   | 41557    | 20.654  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 37817    | 19.949  | ug/l # | 90       |
| 44) Trichloroethene           | 9.028  | 130  | 41368    | 20.451  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 38426    | 20.364  | ug/l   | 92       |
| 46) Dibromomethane            | 9.399  | 93   | 20557    | 20.589  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.587  | 83   | 52004    | 20.549  | ug/l # | 95       |
| 48) Methyl methacrylate       | 9.387  | 41   | 20436    | 18.965  | ug/l   | 83       |
| 49) 1,4-Dioxane               | 9.393  | 88   | 3668     | 369.979 | ug/l # | 72       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 93622    | 96.770  | ug/l   | 92       |
| 52) Toluene                   | 10.340 | 92   | 95957    | 19.929  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 48208    | 19.837  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.022 | 75   | 57524    | 19.578  | ug/l # | 91       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 27593    | 20.204  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 23142    | 19.223  | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 48880    | 20.764  | ug/l   | 95       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 64084    | 93.341  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.922 | 43   | 85071    | 105.986 | ug/l   | 87       |
| 60) Dibromochloromethane      | 11.075 | 129  | 34306    | 20.864  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 25776    | 20.050  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 32314    | 19.720  | ug/l   | 86       |
| 65) Chlorobenzene             | 11.610 | 112  | 106257   | 19.069  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 37913    | 20.449  | ug/l   | 94       |
| 67) Ethyl Benzene             | 11.687 | 91   | 181330   | 19.535  | ug/l   | 94       |
| 68) m/p-Xylenes               | 11.793 | 106  | 144953   | 40.826  | ug/l   | 91       |
| 69) o-Xylene                  | 12.122 | 106  | 67135    | 20.517  | ug/l   | 96       |
| 70) Styrene                   | 12.134 | 104  | 100804   | 20.718  | ug/l   | 95       |
| 71) Bromoform                 | 12.298 | 173  | 19538    | 20.169  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 178198   | 20.741  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.234 | 43   | 32600    | 19.303  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 30233    | 20.182  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 18703m   | 18.997  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 40598    | 20.090  | ug/l   | 90       |
| 78) n-propylbenzene           | 12.763 | 91   | 212607   | 20.308  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 111421   | 19.860  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 143452   | 20.020  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 10754    | 22.131  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 119998   | 20.459  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 126442   | 20.902  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 147024   | 20.514  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 183831   | 20.558  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 159910   | 19.974  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 82804    | 20.037  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 83100    | 19.156  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.787 | 91   | 154624   | 20.525  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.051 | 117  | 30258    | 20.551  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 70490    | 20.056  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 4084     | 18.197  | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 46016    | 19.168  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 25049    | 19.349  | ug/l   | 97       |
| 95) Naphthalene               | 15.334 | 128  | 78817    | 19.760  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 38857    | 19.633  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD121323\  
Data File : VD077855.D  
Acq On : 13 Dec 2023 12:03  
Operator : RP/MD  
Sample : VD1213SBSD01  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1213SBSD01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 12/14/2023  
Supervised By :Semsettin Yesilyurt 12/14/2023

Quant Time: Dec 14 01:50:57 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 08 13:33:18 2023  
Response via : Initial Calibration

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

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

