

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101223\  
 Data File : VD077319.D  
 Acq On : 12 Oct 2023 16:03  
 Operator : JC/SY  
 Sample : VD1012SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1012SBS01

Quant Time: Oct 13 02:31:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101123S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 12 14:39:07 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 267219   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 481063   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 422362   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 194512   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 97458    | 46.390   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 92.780% |
| 35) Dibromofluoromethane    | 7.804  | 113   | 114997   | 45.906   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.820% |
| 50) Toluene-d8              | 10.269 | 98    | 388913   | 46.300   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 92.600% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 123300   | 43.705   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 87.400% |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.928 | 85  | 51725  | 21.118 | ug/l   | 97  |
| 3) Chloromethane             | 2.146 | 50  | 77161  | 19.963 | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.281 | 62  | 75080  | 17.544 | ug/l   | 99  |
| 5) Bromomethane              | 2.687 | 94  | 59642  | 19.335 | ug/l   | 100 |
| 6) Chloroethane              | 2.834 | 64  | 59662  | 20.596 | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.175 | 101 | 101829 | 22.129 | ug/l   | 100 |
| 8) Diethyl Ether             | 3.587 | 74  | 29745  | 18.678 | ug/l   | 87  |
| 9) 1,1,2-Trichlorotrifluo... | 3.963 | 101 | 64529  | 20.350 | ug/l   | 95  |
| 10) Methyl Iodide            | 4.163 | 142 | 70301  | 17.487 | ug/l # | 89  |
| 11) Tert butyl alcohol       | 5.046 | 59  | 14036  | 87.355 | ug/l # | 87  |
| 12) 1,1-Dichloroethene       | 3.934 | 96  | 59155  | 19.127 | ug/l   | 92  |
| 13) Acrolein                 | 3.799 | 56  | 9526   | 46.803 | ug/l # | 55  |
| 14) Allyl chloride           | 4.557 | 41  | 78925  | 18.579 | ug/l   | 92  |
| 15) Acrylonitrile            | 5.257 | 53  | 65024  | 85.701 | ug/l   | 100 |
| 16) Acetone                  | 4.016 | 43  | 62287  | 94.887 | ug/l # | 85  |
| 17) Carbon Disulfide         | 4.269 | 76  | 168168 | 17.864 | ug/l   | 97  |
| 18) Methyl Acetate           | 4.552 | 43  | 44602  | 16.771 | ug/l   | 91  |
| 19) Methyl tert-butyl Ether  | 5.310 | 73  | 121971 | 17.528 | ug/l   | 99  |
| 20) Methylene Chloride       | 4.793 | 84  | 81643  | 11.730 | ug/l # | 85  |
| 21) trans-1,2-Dichloroethene | 5.310 | 96  | 67735  | 18.301 | ug/l   | 96  |
| 22) Diisopropyl ether        | 6.210 | 45  | 178119 | 18.421 | ug/l # | 93  |
| 23) Vinyl Acetate            | 6.151 | 43  | 392932 | 86.323 | ug/l # | 92  |
| 24) 1,1-Dichloroethane       | 6.104 | 63  | 121324 | 19.072 | ug/l   | 94  |
| 25) 2-Butanone               | 7.081 | 43  | 77940  | 88.536 | ug/l # | 79  |
| 26) 2,2-Dichloropropane      | 7.069 | 77  | 100077 | 19.576 | ug/l   | 95  |
| 27) cis-1,2-Dichloroethene   | 7.081 | 96  | 76760  | 18.671 | ug/l   | 94  |
| 28) Bromochloromethane       | 7.422 | 49  | 43892  | 17.441 | ug/l # | 78  |
| 29) Tetrahydrofuran          | 7.440 | 42  | 44214  | 82.929 | ug/l   | 87  |
| 30) Chloroform               | 7.593 | 83  | 124123 | 19.096 | ug/l   | 97  |
| 31) Cyclohexane              | 7.875 | 56  | 97042  | 19.030 | ug/l   | 88  |
| 32) 1,1,1-Trichloroethane    | 7.787 | 97  | 104261 | 19.915 | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 91823  | 19.617 | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.163 | 43  | 33358  | 17.087 | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.992 | 117 | 87124  | 20.671 | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.275 | 83  | 101010 | 18.826 | ug/l   | 92  |
| 40) Benzene                  | 8.251 | 78  | 277962 | 19.484 | ug/l   | 99  |

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 Sample : VD1012SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1012SBS01

Quant Time: Oct 13 02:31:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101123S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 12 14:39:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.398  | 41   | 16142    | 15.897  | ug/l # | 84       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 66095    | 19.435  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 62163    | 17.982  | ug/l   | 94       |
| 44) Trichloroethene           | 9.028  | 130  | 69207    | 19.627  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 68985    | 18.881  | ug/l   | 97       |
| 46) Dibromomethane            | 9.392  | 93   | 33800    | 17.392  | ug/l   | 89       |
| 47) Bromodichloromethane      | 9.587  | 83   | 88278    | 18.768  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.381  | 41   | 28215    | 17.146  | ug/l # | 80       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 6626     | 328.071 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 154879   | 85.633  | ug/l   | 93       |
| 52) Toluene                   | 10.334 | 92   | 170357   | 19.298  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 81266    | 18.127  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 101741   | 18.365  | ug/l # | 94       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 50145    | 19.097  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 52718    | 16.874  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 81572    | 18.094  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 127650   | 85.791  | ug/l   | 93       |
| 59) 2-Hexanone                | 10.922 | 43   | 115214   | 89.703  | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.075 | 129  | 55640    | 18.515  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 43891    | 18.124  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.810 | 164  | 52689    | 19.717  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.610 | 112  | 176407   | 20.187  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 61516    | 19.855  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.686 | 91   | 308886   | 19.401  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.792 | 106  | 241639   | 39.764  | ug/l   | 90       |
| 69) o-Xylene                  | 12.122 | 106  | 109694   | 19.316  | ug/l   | 89       |
| 70) Styrene                   | 12.133 | 104  | 189430   | 19.294  | ug/l   | 95       |
| 71) Bromoform                 | 12.298 | 173  | 29559    | 18.921  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.422 | 105  | 290532   | 19.844  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.233 | 43   | 56324    | 18.505  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 54085    | 18.851  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 38793m   | 19.254  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 64168    | 19.512  | ug/l   | 85       |
| 78) n-propylbenzene           | 12.763 | 91   | 370376   | 20.047  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 199869   | 20.150  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 241887   | 19.986  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 17377    | 19.276  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 215007   | 20.625  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 199000   | 19.596  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 241879   | 19.804  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 323309   | 20.403  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 259080   | 19.881  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 136591   | 19.726  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 138151   | 20.323  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 252114   | 19.751  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 51317    | 20.220  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 116948   | 19.625  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 6633     | 17.513  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 66549    | 18.248  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 35402    | 19.620  | ug/l   | 99       |
| 95) Naphthalene               | 15.333 | 128  | 120095   | 16.976  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.527 | 180  | 59870    | 18.631  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101223\  
Data File : VD077319.D  
Acq On : 12 Oct 2023 16:03  
Operator : JC/SY  
Sample : VD1012SBSD01  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1012SBSD01

Quant Time: Oct 13 02:31:13 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101123S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 12 14:39:07 2023  
Response via : Initial Calibration

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

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

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