

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011124\  
 Data File : VD078145.D  
 Acq On : 11 Jan 2024 11:06  
 Operator : RP/MD  
 Sample : VD0111SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0111SBS01

Quant Time: Jan 12 00:34:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 09 01:29:14 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 96740    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 162991   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.587 | 117  | 151457   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 74007    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 51892    | 50.952   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 101.900% |      |
| 35) Dibromofluoromethane    | 7.810  | 113   | 58066    | 49.432   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 98.860%  |      |
| 50) Toluene-d8              | 10.275 | 98    | 201291   | 51.095   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 102.200% |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 63316    | 46.170   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 92.340%  |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 18300   | 20.418  | ug/l   | 97  |
| 3) Chloromethane             | 2.152 | 50  | 24587   | 19.988  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.293 | 62  | 34343   | 19.853  | ug/l   | 95  |
| 5) Bromomethane              | 2.699 | 94  | 25239   | 19.004  | ug/l   | 97  |
| 6) Chloroethane              | 2.846 | 64  | 26454   | 20.596  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.181 | 101 | 37300   | 19.623  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.587 | 74  | 9833    | 19.728  | ug/l   | 78  |
| 9) 1,1,2-Trichlorotrifluo... | 3.975 | 101 | 22551   | 19.959  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.169 | 142 | 18931   | 18.349  | ug/l   | 92  |
| 11) Tert butyl alcohol       | 5.040 | 59  | 5525    | 106.486 | ug/l # | 95  |
| 12) 1,1-Dichloroethene       | 3.946 | 96  | 19150   | 20.016  | ug/l   | 83  |
| 13) Acrolein                 | 3.793 | 56  | 8910    | 101.570 | ug/l   | 93  |
| 14) Allyl chloride           | 4.575 | 41  | 25609   | 20.037  | ug/l # | 85  |
| 15) Acrylonitrile            | 5.258 | 53  | 24681   | 105.838 | ug/l   | 98  |
| 16) Acetone                  | 4.022 | 43  | 32770   | 126.999 | ug/l   | 87  |
| 17) Carbon Disulfide         | 4.275 | 76  | 40516   | 19.001  | ug/l   | 97  |
| 18) Methyl Acetate           | 4.564 | 43  | 16128   | 17.593  | ug/l   | 89  |
| 19) Methyl tert-butyl Ether  | 5.322 | 73  | 47591   | 20.647  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.805 | 84  | 29673   | 19.922  | ug/l # | 86  |
| 21) trans-1,2-Dichloroethene | 5.322 | 96  | 23791   | 21.850  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.222 | 45  | 61166   | 20.352  | ug/l   | 94  |
| 23) Vinyl Acetate            | 6.158 | 43  | 144896m | 107.325 | ug/l   |     |
| 24) 1,1-Dichloroethane       | 6.122 | 63  | 43601   | 20.793  | ug/l   | 98  |
| 25) 2-Butanone               | 7.087 | 43  | 37126   | 118.005 | ug/l # | 75  |
| 26) 2,2-Dichloropropane      | 7.081 | 77  | 38165   | 20.347  | ug/l   | 94  |
| 27) cis-1,2-Dichloroethene   | 7.087 | 96  | 26729   | 19.967  | ug/l   | 86  |
| 28) Bromochloromethane       | 7.428 | 49  | 16215   | 21.328  | ug/l   | 80  |
| 29) Tetrahydrofuran          | 7.452 | 42  | 16985   | 102.906 | ug/l # | 82  |
| 30) Chloroform               | 7.599 | 83  | 46853   | 20.615  | ug/l   | 100 |
| 31) Cyclohexane              | 7.881 | 56  | 27899   | 18.104  | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane    | 7.799 | 97  | 41588   | 21.154  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 8.010 | 75  | 30566   | 19.271  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.175 | 43  | 12838   | 20.566  | ug/l # | 73  |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 35771   | 19.582  | ug/l   | 91  |
| 39) Methylcyclohexane        | 9.275 | 83  | 31890   | 18.270  | ug/l   | 92  |
| 40) Benzene                  | 8.257 | 78  | 91777   | 19.386  | ug/l   | 100 |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0111SBS01

Quant Time: Jan 12 00:34:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 09 01:29:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 7654     | 20.888  | ug/l # | 84       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 27173    | 20.395  | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 24331    | 20.219  | ug/l # | 73       |
| 44) Trichloroethene           | 9.028  | 130  | 24889    | 19.443  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 24432    | 20.010  | ug/l   | 98       |
| 46) Dibromomethane            | 9.399  | 93   | 13365    | 19.785  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.587  | 83   | 36041    | 20.069  | ug/l   | 93       |
| 48) Methyl methacrylate       | 9.381  | 41   | 12310    | 18.510  | ug/l # | 75       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 2217     | 375.445 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 63718    | 102.198 | ug/l   | 90       |
| 52) Toluene                   | 10.334 | 92   | 60039    | 20.080  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 32154    | 20.173  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.022 | 75   | 36094    | 19.847  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 18857    | 19.903  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.604 | 69   | 15188    | 20.570  | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 31643    | 20.577  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.875  | 63   | 31241    | 92.663  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.922 | 43   | 52265    | 111.495 | ug/l   | 85       |
| 60) Dibromochloromethane      | 11.075 | 129  | 23429    | 19.571  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 18109    | 20.761  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 18286    | 17.832  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.610 | 112  | 65656    | 18.841  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.687 | 131  | 25792    | 19.054  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.687 | 91   | 114803   | 18.760  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.793 | 106  | 86831    | 36.810  | ug/l   | 87       |
| 69) o-Xylene                  | 12.122 | 106  | 40471    | 18.527  | ug/l   | 93       |
| 70) Styrene                   | 12.140 | 104  | 63933    | 19.253  | ug/l   | 95       |
| 71) Bromoform                 | 12.298 | 173  | 13241    | 19.353  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.422 | 105  | 110533   | 18.784  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.234 | 43   | 21056    | 19.565  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 22024    | 19.890  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 13575m   | 18.631  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 26010    | 19.242  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.769 | 91   | 137721   | 19.308  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 76015    | 20.030  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.910 | 105  | 91615    | 18.759  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 6758     | 20.670  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 80475    | 19.715  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 77095    | 18.031  | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 91654    | 18.904  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 121018   | 19.318  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 101333   | 18.269  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 54142    | 19.304  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 51788    | 18.694  | ug/l   | 94       |
| 89) n-Butylbenzene            | 13.787 | 91   | 97650    | 18.539  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 22184    | 19.459  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 47169    | 19.496  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 3003     | 20.015  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 27702    | 18.491  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 14746    | 17.446  | ug/l   | 98       |
| 95) Naphthalene               | 15.334 | 128  | 48439    | 18.239  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 23246    | 18.195  | ug/l   | 92       |

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Sample : VD0111SBS01  
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ALS Vial : 5 Sample Multiplier: 1

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MSVOA\_D  
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Quant Time: Jan 12 00:34:57 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
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QLast Update : Tue Jan 09 01:29:14 2024  
Response via : Initial Calibration

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

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

