

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070921\  
 Data File : VD069648.D  
 Acq On : 09 Jul 2021 16:03  
 Operator : VA/SY  
 Sample : VD0709SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0709SBS02

Quant Time: Jul 10 02:54:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062121S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 22 04:33:24 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.979  | 168  | 612277   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.861  | 114  | 1078429  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.638 | 117  | 993158   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.567 | 152  | 458617   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.332  | 65    | 344055   | 45.081   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 90.160%  |
| 35) Dibromofluoromethane    | 7.908  | 113   | 342654   | 47.003   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.000%  |
| 50) Toluene-d8              | 10.338 | 98    | 1318892  | 48.233   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 96.460%  |
| 62) 4-Bromofluorobenzene    | 12.626 | 95    | 453119   | 50.405   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 100.820% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 1.985 | 85  | 99733  | 16.982  | ug/l   | 99  |
| 3) Chloromethane             | 2.209 | 50  | 145997 | 16.995  | ug/l   | 96  |
| 4) Vinyl Chloride            | 2.344 | 62  | 168604 | 17.607  | ug/l   | 97  |
| 5) Bromomethane              | 2.750 | 94  | 111465 | 18.164  | ug/l   | 99  |
| 6) Chloroethane              | 2.909 | 64  | 115373 | 18.087  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.267 | 101 | 232256 | 20.423  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.709 | 74  | 66017  | 21.946  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 4.085 | 101 | 145245 | 20.882  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.303 | 142 | 120794 | 21.297  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 5.214 | 59  | 44811  | 83.255  | ug/l # | 94  |
| 12) 1,1-Dichloroethene       | 4.062 | 96  | 126845 | 20.980  | ug/l   | 92  |
| 13) Acrolein                 | 3.926 | 56  | 26646  | 62.727  | ug/l   | 100 |
| 14) Allyl chloride           | 4.709 | 41  | 200670 | 23.675  | ug/l   | 88  |
| 15) Acrylonitrile            | 5.414 | 53  | 143161 | 113.369 | ug/l   | 98  |
| 16) Acetone                  | 4.156 | 43  | 153926 | 119.826 | ug/l   | 100 |
| 17) Carbon Disulfide         | 4.403 | 76  | 376060 | 18.892  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.709 | 43  | 107415 | 32.735  | ug/l   | 96  |
| 19) Methyl tert-butyl Ether  | 5.479 | 73  | 246674 | 20.760  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.956 | 84  | 246274 | 27.209  | ug/l   | 96  |
| 21) trans-1,2-Dichloroethene | 5.467 | 96  | 149282 | 20.465  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.356 | 45  | 397022 | 23.245  | ug/l   | 96  |
| 23) Vinyl Acetate            | 6.303 | 43  | 885261 | 94.311  | ug/l   | 97  |
| 24) 1,1-Dichloroethane       | 6.261 | 63  | 292198 | 21.598  | ug/l   | 99  |
| 25) 2-Butanone               | 7.214 | 43  | 185875 | 113.870 | ug/l   | 94  |
| 26) 2,2-Dichloropropane      | 7.208 | 77  | 240240 | 21.721  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 7.208 | 96  | 167881 | 21.181  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.544 | 49  | 108686 | 20.512  | ug/l   | 94  |
| 29) Tetrahydrofuran          | 7.567 | 42  | 102496 | 114.530 | ug/l   | 97  |
| 30) Chloroform               | 7.708 | 83  | 285088 | 19.935  | ug/l   | 96  |
| 31) Cyclohexane              | 7.979 | 56  | 219836 | 21.393  | ug/l # | 95  |
| 32) 1,1,1-Trichloroethane    | 7.903 | 97  | 251537 | 21.344  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.108 | 75  | 217584 | 20.558  | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.291 | 43  | 84969  | 21.634  | ug/l   | 95  |
| 38) Carbon Tetrachloride     | 8.097 | 117 | 209981 | 20.046  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.350 | 83  | 199683 | 19.126  | ug/l   | 97  |
| 40) Benzene                  | 8.350 | 78  | 639345 | 20.953  | ug/l   | 99  |

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 Sample : VD0709SBS02  
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0709SBS02

Quant Time: Jul 10 02:54:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D062121S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 22 04:33:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.514  | 41   | 43885m   | 19.200  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 173976   | 19.625  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 156575   | 21.944  | ug/l   | 98       |
| 44) Trichloroethene           | 9.108  | 130  | 156576   | 20.336  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 169536   | 21.645  | ug/l   | 99       |
| 46) Dibromomethane            | 9.473  | 93   | 82254    | 20.051  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.661  | 83   | 220805   | 20.045  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.455  | 41   | 77805    | 22.954  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 16361    | 404.875 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.226 | 43   | 412734   | 109.997 | ug/l   | 99       |
| 52) Toluene                   | 10.402 | 92   | 399571   | 21.222  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 189832   | 19.931  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 235181   | 20.534  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.797 | 97   | 113931   | 19.668  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 125692   | 20.085  | ug/l # | 94       |
| 57) 1,3-Dichloropropane       | 10.944 | 76   | 190281   | 19.441  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 347043   | 103.858 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.979 | 43   | 284052   | 112.182 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.132 | 129  | 135185   | 19.800  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.244 | 107  | 105430   | 19.739  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.873 | 164  | 131177   | 21.032  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.667 | 112  | 409300   | 20.721  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.738 | 131  | 149128   | 20.766  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.738 | 91   | 732305   | 21.223  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.849 | 106  | 559552   | 43.068  | ug/l   | 100      |
| 69) o-Xylene                  | 12.173 | 106  | 250915   | 21.545  | ug/l   | 99       |
| 70) Styrene                   | 12.191 | 104  | 440039   | 21.451  | ug/l   | 99       |
| 71) Bromoform                 | 12.355 | 173  | 72686    | 19.972  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.473 | 105  | 682136   | 21.588  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.279 | 43   | 146084   | 22.771  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 135951   | 21.421  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 97112m   | 21.571  | ug/l   |          |
| 77) Bromobenzene              | 12.755 | 156  | 147046   | 20.493  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.814 | 91   | 880120   | 22.192  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.902 | 91   | 496021   | 21.892  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 587486   | 22.093  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 35732    | 19.818  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 535989   | 22.065  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.214 | 119  | 466528   | 20.801  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.261 | 105  | 579014   | 21.904  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.390 | 105  | 722742   | 21.799  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.508 | 119  | 616867   | 22.104  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.508 | 146  | 309043   | 21.030  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 308168   | 21.049  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.832 | 91   | 599385   | 21.530  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.102 | 117  | 115483   | 21.169  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.879 | 146  | 267782   | 21.064  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 19530    | 20.281  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.149 | 180  | 148100   | 20.884  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.255 | 225  | 91903    | 20.654  | ug/l   | 99       |
| 95) Naphthalene               | 15.384 | 128  | 256871   | 20.128  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.579 | 180  | 127862   | 20.455  | ug/l   | 99       |

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Sample : VD0709SBSD02  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0709SBSD02

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Quant Title : SW846 8260  
QLast Update : Tue Jun 22 04:33:24 2021  
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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