

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062321\  
 Data File : VD069537.D  
 Acq On : 23 Jun 2021 11:33  
 Operator : VA/SY  
 Sample : VD0623SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0623SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 6/24/2021 4:56:30 PM

Quant Time: Jun 24 06:06:12 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  | 605726     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861          | 114  | 1058070    | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.643         | 117  | 999690     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.567         | 152  | 470777     | 50.00   | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.332          | 65   | 372058     | 49.28   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 98.56%  |        |          |
| 35) Dibromofluoromethane     | 7.914          | 113  | 359446     | 50.26   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 100.52% |        |          |
| 50) Toluene-d8               | 10.338         | 98   | 1374505    | 51.23   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 102.46% |        |          |
| 62) 4-Bromofluorobenzene     | 12.626         | 95   | 462227     | 52.41   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 104.82% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 112178     | 19.31   | ug/l   | 95       |
| 3) Chloromethane             | 2.209          | 50   | 160632     | 18.90   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.350          | 62   | 173742     | 18.34   | ug/l   | 98       |
| 5) Bromomethane              | 2.756          | 94   | 113142     | 18.69   | ug/l   | 97       |
| 6) Chloroethane              | 2.920          | 64   | 115645     | 18.33   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.273          | 101  | 228727     | 20.33   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.714          | 74   | 59763      | 20.08   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.103          | 101  | 146600     | 21.30   | ug/l   | 94       |
| 10) Methyl Iodide            | 4.303          | 142  | 92854      | 17.43   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.202          | 59   | 65015      | 146.87  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.067          | 96   | 118507     | 19.81   | ug/l   | 97       |
| 13) Acrolein                 | 3.920          | 56   | 35992      | 85.65   | ug/l   | 96       |
| 14) Allyl chloride           | 4.714          | 41   | 173627     | 20.71   | ug/l   | 94       |
| 15) Acrylonitrile            | 5.420          | 53   | 127053     | 101.70  | ug/l   | 99       |
| 16) Acetone                  | 4.150          | 43   | 134330     | 105.70  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.408          | 76   | 369318     | 18.75   | ug/l   | 97       |
| 18) Methyl Acetate           | 4.720          | 43   | 78179      | 23.31   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 227500     | 19.35   | ug/l   | 99       |
| 20) Methylene Chloride       | 4.961          | 84   | 200217     | 21.06   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.473          | 96   | 140462     | 19.46   | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.361          | 45   | 357741     | 21.17   | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.308          | 43   | 865550     | 93.43   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.261          | 63   | 276066     | 20.63   | ug/l   | 98       |
| 25) 2-Butanone               | 7.214          | 43   | 161130     | 99.78   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.208          | 77   | 232861     | 21.28   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.214          | 96   | 156338     | 19.94   | ug/l   | 97       |
| 28) Bromochloromethane       | 7.549          | 49   | 102051     | 19.47   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 92302      | 104.25  | ug/l   | 95       |
| 30) Chloroform               | 7.708          | 83   | 288331     | 20.38   | ug/l   | 94       |
| 31) Cyclohexane              | 7.985          | 56   | 196763     | 19.36   | ug/l # | 90       |
| 32) 1,1,1-Trichloroethane    | 7.902          | 97   | 246169     | 21.11   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 209439     | 20.17   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.291          | 43   | 73321      | 19.03   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.096          | 117  | 209683     | 20.40   | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.355          | 83   | 186988     | 18.25   | ug/l   | 97       |
| 40) Benzene                  | 8.349          | 78   | 607806     | 20.30   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062321\  
 Data File : VD069537.D  
 Acq On : 23 Jun 2021 11:33  
 Operator : VA/SY  
 Sample : VD0623SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0623SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 6/24/2021 4:56:30 PM

Quant Time: Jun 24 06:06:12 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         | 7.532  | 41   | 44240    | 19.73  | ug/l # | 83       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 175387   | 20.17  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.449  | 43   | 142914   | 20.41  | ug/l   | 98       |
| 44) Trichloroethene           | 9.108  | 130  | 150350   | 19.90  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 157031   | 20.43  | ug/l   | 98       |
| 46) Dibromomethane            | 9.473  | 93   | 82662    | 20.54  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.661  | 83   | 221577   | 20.50  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.455  | 41   | 61875    | 18.61  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.467  | 88   | 15443    | 389.51 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.226 | 43   | 370080   | 100.53 | ug/l   | 97       |
| 52) Toluene                   | 10.402 | 92   | 378152   | 20.47  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 187340   | 20.05  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 224560   | 19.98  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.796 | 97   | 115921   | 20.40  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.661 | 69   | 110712   | 18.30  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.943 | 76   | 197950   | 20.61  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 320729   | 98.45  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.979 | 43   | 248162   | 99.89  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.137 | 129  | 137703   | 20.56  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.243 | 107  | 101784   | 19.42  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.873 | 164  | 125975   | 20.07  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.667 | 112  | 394529   | 19.84  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.737 | 131  | 150774   | 20.86  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.743 | 91   | 682786   | 19.66  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.849 | 106  | 523306   | 40.02  | ug/l   | 99       |
| 69) o-Xylene                  | 12.179 | 106  | 227253   | 19.39  | ug/l   | 99       |
| 70) Styrene                   | 12.190 | 104  | 414473   | 20.07  | ug/l   | 99       |
| 71) Bromoform                 | 12.355 | 173  | 73264    | 20.00  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.473 | 105  | 624305   | 19.25  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.284 | 43   | 128449   | 19.50  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.726 | 83   | 129746   | 19.91  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.779 | 75   | 94847m   | 20.52  | ug/l   |          |
| 77) Bromobenzene              | 12.755 | 156  | 147119   | 19.97  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.814 | 91   | 815582   | 20.03  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.902 | 91   | 473614   | 20.36  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.955 | 105  | 541461   | 19.84  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 34822    | 18.81  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 504507   | 20.23  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.214 | 119  | 438358   | 19.21  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.261 | 105  | 536514   | 19.77  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.396 | 105  | 675476   | 19.85  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.508 | 119  | 559538   | 19.53  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.508 | 146  | 297544   | 19.72  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.584 | 146  | 297613   | 19.80  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.837 | 91   | 541424   | 18.95  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.102 | 117  | 106545   | 19.03  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.879 | 146  | 258064   | 19.78  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 18999    | 19.22  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.149 | 180  | 141009   | 19.37  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.255 | 225  | 89457    | 19.59  | ug/l   | 99       |
| 95) Naphthalene               | 15.390 | 128  | 232401   | 18.14  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.578 | 180  | 119755   | 18.66  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062321\  
Data File : VD069537.D  
Acq On : 23 Jun 2021 11:33  
Operator : VA/SY  
Sample : VD0623SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0623SBS01

Manual Integrations  
APPROVED

MMDadoda  
6/24/2021 4:56:30 PM

Quant Time: Jun 24 06:06:12 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

-----

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

