

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022221\  
 Data File : VD068410.D  
 Acq On : 22 Feb 2021 09:54  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda

2/23/2021 1:04:47 PM

Quant Time: Feb 22 15:15:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 12 13:30:51 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                        |                |      |                    |        |        |          |
| Internal Standards           |                |      |                    |        |        |          |
| 1) Pentafluorobenzene        | 7.979          | 168  | 388455             | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.867          | 114  | 665701             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.643         | 117  | 599140             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.573         | 152  | 271850             | 50.00  | ug/l   | 0.00     |
|                              |                |      |                    |        |        |          |
| System Monitoring Compounds  |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.332          | 65   | 214274             | 53.96  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 107.92% |        |        |          |
| 35) Dibromofluoromethane     | 7.920          | 113  | 226501             | 57.32  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 114.64% |        |        |          |
| 50) Toluene-d8               | 10.338         | 98   | 904316             | 55.22  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 110.44% |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.632         | 95   | 289938             | 54.35  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 108.70% |        |        |          |
|                              |                |      |                    |        |        |          |
| Target Compounds             |                |      |                    |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991          | 85   | 160210             | 45.01  | ug/l   | 93       |
| 3) Chloromethane             | 2.209          | 50   | 193470             | 45.65  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.350          | 62   | 239379             | 47.18  | ug/l   | 97       |
| 5) Bromomethane              | 2.767          | 94   | 159899             | 44.09  | ug/l   | 94       |
| 6) Chloroethane              | 2.920          | 64   | 158260             | 47.76  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.273          | 101  | 295919             | 47.39  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.709          | 74   | 86816              | 47.34  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097          | 101  | 185225             | 48.74  | ug/l   | 94       |
| 10) Methyl Iodide            | 4.303          | 142  | 169732             | 47.56  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 5.226          | 59   | 60947              | 306.12 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 4.067          | 96   | 174587             | 47.26  | ug/l   | 95       |
| 13) Acrolein                 | 3.926          | 56   | 63878              | 280.58 | ug/l   | 99       |
| 14) Allyl chloride           | 4.714          | 41   | 232194             | 48.34  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.420          | 53   | 189594             | 239.53 | ug/l   | 99       |
| 16) Acetone                  | 4.156          | 43   | 182384             | 297.68 | ug/l # | 88       |
| 17) Carbon Disulfide         | 4.409          | 76   | 473343             | 44.24  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.720          | 43   | 78758              | 46.84  | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 5.479          | 73   | 402364             | 48.27  | ug/l   | 93       |
| 20) Methylene Chloride       | 4.961          | 84   | 205966             | 48.27  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.473          | 96   | 200542             | 46.90  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.361          | 45   | 511475             | 48.12  | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.303          | 43   | 1349422            | 245.86 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.267          | 63   | 355987             | 48.94  | ug/l   | 99       |
| 25) 2-Butanone               | 7.214          | 43   | 216899             | 253.19 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.208          | 77   | 318158             | 51.14  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.214          | 96   | 236328             | 48.62  | ug/l   | 96       |
| 28) Bromochloromethane       | 7.550          | 49   | 154147             | 51.10  | ug/l   | 81       |
| 29) Tetrahydrofuran          | 7.561          | 42   | 130246             | 235.05 | ug/l   | 98       |
| 30) Chloroform               | 7.714          | 83   | 373049             | 49.31  | ug/l   | 96       |
| 31) Cyclohexane              | 7.985          | 56   | 292002             | 49.39  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 7.902          | 97   | 321811             | 49.23  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.108          | 75   | 278452             | 47.28  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.297          | 43   | 93451              | 46.96  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.091          | 117  | 277506             | 49.40  | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.355          | 83   | 342277             | 47.38  | ug/l   | 98       |
| 40) Benzene                  | 8.349          | 78   | 814779             | 48.51  | ug/l   | 93       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022221\  
 Data File : VD068410.D  
 Acq On : 22 Feb 2021 09:54  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda

2/23/2021 1:04:47 PM

Quant Time: Feb 22 15:15:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 12 13:30:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.526  | 41   | 58602    | 51.16  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.426  | 62   | 216930   | 48.41  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.449  | 43   | 184024   | 48.29  | ug/l   | 98       |
| 44) Trichloroethene           | 9.114  | 130  | 225316   | 49.29  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 201638   | 49.19  | ug/l   | 98       |
| 46) Dibromomethane            | 9.473  | 93   | 105511   | 47.45  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.661  | 83   | 281689   | 48.86  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.455  | 41   | 86108    | 45.28  | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 24749    | 952.66 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.232 | 43   | 477206   | 243.82 | ug/l   | 99       |
| 52) Toluene                   | 10.402 | 92   | 521932   | 48.33  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.620 | 75   | 264051   | 49.49  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.091 | 75   | 315042   | 48.33  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.802 | 97   | 151927   | 49.46  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.661 | 69   | 178914   | 49.09  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.949 | 76   | 258227   | 47.90  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.944  | 63   | 513045   | 262.88 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.985 | 43   | 355202   | 268.47 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.143 | 129  | 187182   | 49.11  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.249 | 107  | 146465   | 49.34  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.879 | 164  | 175314   | 47.55  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.673 | 112  | 562770   | 48.85  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.743 | 131  | 199034   | 49.52  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.743 | 91   | 1024020  | 49.58  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.855 | 106  | 769768   | 98.61  | ug/l   | 100      |
| 69) o-Xylene                  | 12.179 | 106  | 353962   | 49.42  | ug/l   | 96       |
| 70) Styrene                   | 12.196 | 104  | 616515   | 49.49  | ug/l   | 100      |
| 71) Bromoform                 | 12.361 | 173  | 100489   | 48.66  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.479 | 105  | 988232   | 49.77  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.285 | 43   | 174344   | 49.72  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.732 | 83   | 168523   | 48.97  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.785 | 75   | 119890m  | 46.35  | ug/l   |          |
| 77) Bromobenzene              | 12.761 | 156  | 215201   | 48.51  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.820 | 91   | 1169204  | 49.19  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.908 | 91   | 643195   | 48.86  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.955 | 105  | 805447   | 49.64  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.526 | 75   | 53934    | 52.26  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.002 | 91   | 676131   | 48.58  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.220 | 119  | 705133   | 50.10  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.267 | 105  | 805021   | 49.80  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.396 | 105  | 990567   | 50.32  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.514 | 119  | 896258   | 50.71  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.514 | 146  | 420677   | 49.02  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.596 | 146  | 413426   | 48.41  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.837 | 91   | 864204   | 50.11  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.108 | 117  | 163694   | 51.01  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.884 | 146  | 366131   | 49.20  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.502 | 75   | 24995    | 49.68  | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 15.161 | 180  | 240805   | 49.41  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.261 | 225  | 135097   | 50.39  | ug/l   | 99       |
| 95) Naphthalene               | 15.396 | 128  | 447496   | 49.39  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.590 | 180  | 211209   | 49.68  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022221\  
Data File : VD068410.D  
Acq On : 22 Feb 2021 09:54  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda

2/23/2021 1:04:47 PM

Quant Time: Feb 22 15:15:51 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 12 13:30:51 2021  
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022221\  
Data File : VD068410.D  
Acq On : 22 Feb 2021 09:54  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda

2/23/2021 1:04:47 PM

Quant Time: Feb 22 15:15:51 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D021221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 12 13:30:51 2021  
Response via : Initial Calibration

