

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy060921\  
 Data File : VY005066.D  
 Acq On : 09 Jun 2021 22:52  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 6/10/2021 4:27:08 PM

Quant Time: Jun 10 02:46:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 03 04:43:33 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.801          | 168  | 211658     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.697          | 114  | 364513     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.496         | 117  | 336566     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 158340     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.149          | 65   | 110663     | 49.456  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 98.920% |        |          |
| 35) Dibromofluoromethane     | 7.722          | 113  | 94578      | 48.226  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 96.460% |        |          |
| 50) Toluene-d8               | 10.185         | 98   | 397748     | 48.834  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 97.660% |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 134155     | 47.893  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 95.780% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 86377      | 44.941  | ug/l   | 100      |
| 3) Chloromethane             | 2.113          | 50   | 125109     | 47.672  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.253          | 62   | 120942     | 47.901  | ug/l   | 99       |
| 5) Bromomethane              | 2.656          | 94   | 65847      | 46.015  | ug/l   | 97       |
| 6) Chloroethane              | 2.802          | 64   | 72302      | 47.876  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.131          | 101  | 176118     | 49.317  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.540          | 74   | 72618      | 52.373  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.906          | 101  | 106502     | 48.896  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.101          | 142  | 110410     | 53.100  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 4.972          | 59   | 57315      | 222.731 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 105878     | 48.675  | ug/l   | 97       |
| 13) Acrolein                 | 3.741          | 56   | 54188      | 230.270 | ug/l   | 99       |
| 14) Allyl chloride           | 4.491          | 41   | 189256     | 47.720  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.180          | 53   | 176854     | 271.243 | ug/l   | 99       |
| 16) Acetone                  | 3.960          | 43   | 135504     | 251.564 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.204          | 76   | 311654     | 46.591  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.491          | 43   | 92881      | 53.808  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.235          | 73   | 299264     | 53.446  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.729          | 84   | 144799     | 56.645  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.228          | 96   | 122839     | 50.309  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.131          | 45   | 382657     | 52.559  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.076          | 43   | 1393684    | 263.105 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.027          | 63   | 224259     | 51.179  | ug/l   | 99       |
| 25) 2-Butanone               | 7.003          | 43   | 243939     | 269.323 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 6.990          | 77   | 166577     | 44.978  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.996          | 96   | 138185     | 51.644  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.344          | 49   | 100245     | 51.211  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.362          | 42   | 153570     | 266.594 | ug/l   | 98       |
| 30) Chloroform               | 7.515          | 83   | 221195     | 53.235  | ug/l   | 98       |
| 31) Cyclohexane              | 7.795          | 56   | 178004     | 45.183  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.710          | 97   | 188925     | 51.833  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.923          | 75   | 169113     | 47.405  | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.088          | 43   | 113933     | 48.552  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.905          | 117  | 157332     | 50.676  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.185          | 83   | 183405     | 46.543  | ug/l   | 97       |
| 40) Benzene                  | 8.167          | 78   | 511738     | 50.135  | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 6/10/2021 4:27:08 PM

Quant Time: Jun 10 02:46:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 03 04:43:33 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.326  | 41   | 58195    | 45.111  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 149674   | 50.792  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.283  | 43   | 211583   | 50.223  | ug/l   | 97       |
| 44) Trichloroethene           | 8.941  | 130  | 135357   | 50.668  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 133777   | 50.076  | ug/l   | 96       |
| 46) Dibromomethane            | 9.307  | 93   | 75297    | 52.775  | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.502  | 83   | 173582   | 51.821  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.301  | 41   | 95689    | 49.921  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 14949    | 867.853 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 572204   | 259.090 | ug/l   | 98       |
| 52) Toluene                   | 10.246 | 92   | 319343   | 51.704  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 185303   | 49.982  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 212714   | 50.500  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 106883   | 53.898  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 154675   | 54.481  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 188363   | 53.379  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 374820   | 261.247 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.837 | 43   | 396881   | 265.868 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.990 | 129  | 125257   | 55.531  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 102641   | 53.966  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 143063   | 50.833  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.520 | 112  | 333829   | 50.061  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 122989   | 51.735  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 610989   | 49.579  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 457943   | 99.179  | ug/l   | 100      |
| 69) o-Xylene                  | 12.032 | 106  | 217677   | 50.625  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 375594   | 52.429  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 76858    | 54.833  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 571749   | 47.801  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 190245   | 49.298  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 122956   | 51.209  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 86846m   | 50.035  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 133238   | 49.855  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.672 | 91   | 700686   | 48.600  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 390486   | 48.584  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 483743   | 49.024  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 45596    | 48.277  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 401826   | 48.926  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 416541   | 49.904  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 489745   | 49.941  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.257 | 105  | 592422   | 48.752  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 512551   | 49.170  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 256244   | 50.368  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 252815   | 49.826  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 490479   | 48.921  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 81131    | 52.439  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 231946   | 51.601  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 20995    | 52.810  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 146266   | 51.814  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 75619    | 50.773  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 352918   | 56.869  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 133909   | 53.884  | ug/l   | 99       |

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ALS Vial : 29 Sample Multiplier: 1

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ClientSampleId :  
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Manual Integrations  
APPROVED

MMDadoda  
6/10/2021 4:27:08 PM

Quant Time: Jun 10 02:46:32 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 03 04:43:33 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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