

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062122\  
 Data File : VY009251.D  
 Acq On : 21 Jun 2022 12:10  
 Operator : KP/MD  
 Sample : VSTDICC010  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC010

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 06/22/2022  
 Supervised By :Mahesh Dadoda 06/23/2022

Quant Time: Jun 21 13:33:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 21 13:33:05 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 155079     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 252994     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 230993     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 116848     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 17517      | 10.807   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 21.620%# |        |          |
| 35) Dibromofluoromethane     | 7.710          | 113  | 16037      | 10.098   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 20.200%# |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 65012      | 10.775   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 21.560%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 22974      | 10.732   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 21.460%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 12634      | 10.897   | ug/l   | 95       |
| 3) Chloromethane             | 2.113          | 50   | 15399      | 10.693   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.247          | 62   | 18128      | 11.935   | ug/l   | 95       |
| 5) Bromomethane              | 2.644          | 94   | 12876      | 12.058   | ug/l   | 99       |
| 6) Chloroethane              | 2.790          | 64   | 11749      | 12.325   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.119          | 101  | 26558      | 10.969   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.527          | 74   | 9230       | 10.076   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 3.887          | 101  | 16823      | 11.235   | ug/l   | 92       |
| 10) Methyl Iodide            | 4.082          | 142  | 18335      | 9.625    | ug/l   | 90       |
| 11) Tert butyl alcohol       | 4.942          | 59   | 15750      | 60.805   | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 3.863          | 96   | 15914      | 10.906   | ug/l   | 87       |
| 13) Acrolein                 | 3.723          | 56   | 2433       | 39.575   | ug/l   | 91       |
| 14) Allyl chloride           | 4.472          | 41   | 28663      | 10.869   | ug/l   | 94       |
| 15) Acrylonitrile            | 5.161          | 53   | 25785      | 52.421   | ug/l   | 96       |
| 16) Acetone                  | 3.948          | 43   | 22662      | 55.796   | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.186          | 76   | 44824      | 10.651   | ug/l   | 95       |
| 18) Methyl Acetate           | 4.472          | 43   | 14723      | 10.900   | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 5.216          | 73   | 44457      | 10.017   | ug/l   | 96       |
| 20) Methylene Chloride       | 4.704          | 84   | 34283      | 16.272   | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 5.210          | 96   | 18659      | 10.858   | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.119          | 45   | 60137      | 10.913   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.051          | 43   | 183861     | 53.348   | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.009          | 63   | 33397      | 10.770   | ug/l   | 98       |
| 25) 2-Butanone               | 6.972          | 43   | 35673      | 55.330   | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 31884      | 11.535   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.978          | 96   | 21336      | 10.532   | ug/l   | 94       |
| 28) Bromochloromethane       | 7.326          | 49   | 13819      | 10.392   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.338          | 42   | 22740      | 53.366   | ug/l   | 96       |
| 30) Chloroform               | 7.502          | 83   | 34114      | 10.676   | ug/l   | 98       |
| 31) Cyclohexane              | 7.777          | 56   | 32396      | 11.201   | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 7.697          | 97   | 29737      | 10.625   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 26025      | 10.744   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.070          | 43   | 15799      | 10.948   | ug/l # | 92       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 26666      | 10.618   | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.173          | 83   | 30606      | 10.452   | ug/l   | 96       |
| 40) Benzene                  | 8.155          | 78   | 76676      | 10.748   | ug/l   | 100      |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC010

Manual Integrations  
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Quant Time: Jun 21 13:33:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 21 13:33:05 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 8050     | 10.320  | ug/l # | 30       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 21689    | 10.472  | ug/l   | 89       |
| 43) Isopropyl Acetate         | 8.264  | 43   | 28172    | 10.551  | ug/l   | 92       |
| 44) Trichloroethene           | 8.935  | 130  | 21417    | 10.533  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 20050    | 11.069  | ug/l # | 83       |
| 46) Dibromomethane            | 9.301  | 93   | 11083    | 10.698  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 26211    | 10.585  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.289  | 41   | 12386    | 10.470  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 3214     | 220.214 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 76452    | 54.518  | ug/l   | 95       |
| 52) Toluene                   | 10.240 | 92   | 48847    | 10.746  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 26284    | 10.128  | ug/l   | 91       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 31205    | 10.614  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 15560    | 10.597  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 19507    | 9.847   | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 27262    | 10.898  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 41644    | 48.107  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.831 | 43   | 50933    | 52.902  | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.977 | 129  | 18516    | 10.299  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 15261    | 10.744  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 23104    | 10.833  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.514 | 112  | 53267    | 10.680  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 19284    | 10.552  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.593 | 91   | 91808    | 10.550  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 73600    | 21.471  | ug/l   | 91       |
| 69) o-Xylene                  | 12.026 | 106  | 34244    | 10.515  | ug/l   | 93       |
| 70) Styrene                   | 12.044 | 104  | 56368    | 10.337  | ug/l   | 96       |
| 71) Bromoform                 | 12.203 | 173  | 11844    | 10.183  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 91244    | 10.374  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 24276    | 9.982   | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 18147    | 10.487  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 13938m   | 10.765  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 22309    | 10.349  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.672 | 91   | 111207   | 10.458  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 62352    | 10.392  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 76723    | 10.461  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 6276     | 9.737   | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 66186    | 10.579  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 66294    | 10.310  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 75351    | 10.468  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 100456   | 10.511  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 82087    | 10.354  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 45137    | 10.868  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 44763    | 10.637  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 78089    | 10.438  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 15917    | 10.597  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 39916    | 10.655  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 3066     | 9.971   | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 22708    | 9.676   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 12975    | 10.054  | ug/l   | 96       |
| 95) Naphthalene               | 15.239 | 128  | 43373    | 8.909   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 18979    | 9.254   | ug/l   | 97       |

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APPROVED

Reviewed By :Krupa Patel 06/22/2022  
Supervised By :Mahesh Dadoda 06/23/2022

Quant Time: Jun 21 13:33:46 2022  
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Quant Title : SW846 8260  
QLast Update : Tue Jun 21 13:33:05 2022  
Response via : Initial Calibration

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

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

