

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120622\  
 Data File : VY011712.D  
 Acq On : 06 Dec 2022 12:22  
 Operator : KP/MD  
 Sample : VY1206SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1206SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 12/07/2022  
 Supervised By :Mahesh Dadoda 12/07/2022

Quant Time: Dec 06 23:43:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 189754              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 293317              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 269559              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 139610              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.143          | 65   | 96599               | 50.136  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 100.280% |         |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 96479               | 53.432  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 106.860% |         |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 320248              | 48.807  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 97.620%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 125562              | 51.757  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 103.520% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 31538               | 27.729  | ug/l   | 99       |
| 3) Chloromethane             | 2.113          | 50   | 33142               | 17.679  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.253          | 62   | 38730               | 18.045  | ug/l   | 98       |
| 5) Bromomethane              | 2.644          | 94   | 26775               | 16.898  | ug/l   | 99       |
| 6) Chloroethane              | 2.790          | 64   | 26013               | 17.372  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 68471               | 21.749  | ug/l   | 88       |
| 8) Diethyl Ether             | 3.527          | 74   | 22169               | 21.788  | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893          | 101  | 38498               | 21.148  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.094          | 142  | 43877               | 20.688  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 4.942          | 59   | 33591               | 148.823 | ug/l # | 95       |
| 12) 1,1-Dichloroethene       | 3.869          | 96   | 35380               | 21.217  | ug/l   | 88       |
| 13) Acrolein                 | 3.729          | 56   | 6570                | 129.321 | ug/l   | 99       |
| 14) Allyl chloride           | 4.472          | 41   | 58106m              | 19.849  | ug/l   |          |
| 15) Acrylonitrile            | 5.155          | 53   | 60480               | 108.828 | ug/l   | 99       |
| 16) Acetone                  | 3.948          | 43   | 60480               | 96.637  | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.192          | 76   | 92332               | 19.978  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.479          | 43   | 34819               | 22.728  | ug/l # | 90       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 103644              | 21.778  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.716          | 84   | 61596               | 19.752  | ug/l   | 83       |
| 21) trans-1,2-Dichloroethene | 5.216          | 96   | 40483               | 21.009  | ug/l   | 87       |
| 22) Diisopropyl ether        | 6.119          | 45   | 126797              | 19.843  | ug/l # | 94       |
| 23) Vinyl Acetate            | 6.058          | 43   | 367841              | 98.825  | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 76072               | 20.276  | ug/l   | 98       |
| 25) 2-Butanone               | 6.984          | 43   | 82851               | 100.731 | ug/l # | 89       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 71823               | 20.742  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 47023               | 20.728  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.332          | 49   | 27117               | 17.992  | ug/l   | 84       |
| 29) Tetrahydrofuran          | 7.350          | 42   | 49512               | 106.593 | ug/l   | 91       |
| 30) Chloroform               | 7.508          | 83   | 81466               | 20.939  | ug/l   | 99       |
| 31) Cyclohexane              | 7.783          | 56   | 62106               | 19.447  | ug/l # | 84       |
| 32) 1,1,1-Trichloroethane    | 7.704          | 97   | 73115               | 21.007  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 57491               | 20.369  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.070          | 43   | 33194               | 20.653  | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 66897               | 21.185  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.185          | 83   | 65153               | 20.685  | ug/l   | 94       |
| 40) Benzene                  | 8.161          | 78   | 170643              | 20.755  | ug/l   | 100      |

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 Sample : VY1206SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Quant Time: Dec 06 23:43:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 13999m   | 17.227  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 52157    | 20.513  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 58829    | 20.290  | ug/l # | 92       |
| 44) Trichloroethene           | 8.941  | 130  | 46745    | 21.131  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 42952    | 20.439  | ug/l   | 96       |
| 46) Dibromomethane            | 9.307  | 93   | 23781    | 20.238  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 62335    | 21.061  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.289  | 41   | 25911    | 20.120  | ug/l # | 85       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 6733     | 462.691 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 164526   | 102.079 | ug/l   | 91       |
| 52) Toluene                   | 10.246 | 92   | 108428   | 20.855  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 61881    | 20.916  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 68188    | 20.487  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 35446    | 21.085  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 44335    | 21.205  | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 59488    | 20.895  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 110009   | 107.435 | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 116799   | 101.534 | ug/l   | 90       |
| 60) Dibromochloromethane      | 10.983 | 129  | 44417    | 21.560  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 32450    | 21.147  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 46880    | 21.104  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 118378   | 20.972  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 45050    | 21.057  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 208347   | 20.442  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 161822   | 41.710  | ug/l   | 98       |
| 69) o-Xylene                  | 12.026 | 106  | 76136    | 21.078  | ug/l   | 96       |
| 70) Styrene                   | 12.044 | 104  | 128887   | 20.904  | ug/l   | 97       |
| 71) Bromoform                 | 12.209 | 173  | 27647    | 21.242  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 210617   | 20.860  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 49074    | 19.682  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 41360    | 20.788  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 32735m   | 21.772  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 48718    | 20.664  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.672 | 91   | 255235   | 20.720  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 143145   | 20.617  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 180161   | 21.167  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 13875    | 20.213  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 148638   | 20.474  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 154787   | 20.879  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 176147   | 20.954  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 233215   | 21.084  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 193317   | 20.941  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 98485    | 20.520  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 97156    | 20.245  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.696 | 91   | 175259   | 20.652  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.959 | 117  | 38234    | 20.510  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 88629    | 20.833  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 7117     | 21.812  | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 51541    | 21.842  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 33602    | 22.908  | ug/l   | 100      |
| 95) Naphthalene               | 15.233 | 128  | 97977    | 22.234  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 45496    | 22.498  | ug/l   | 99       |

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 ALS Vial : 5 Sample Multiplier: 1

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 MSVOA\_Y  
**ClientSampleId :**  
 VY1206SBS01

**Manual Integrations**  
**APPROVED**

Reviewed By :Krupa Patel 12/07/2022  
 Supervised By :Mahesh Dadoda 12/07/2022

Quant Time: Dec 06 23:43:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
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 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

