

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101222\  
 Data File : VY010934.D  
 Acq On : 12 Oct 2022 12:16  
 Operator : KP/MD  
 Sample : VY1012SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1012SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/13/2022  
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 05:33:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 249195              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 401671              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 360776              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 177956              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 129241              | 51.166  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 102.340% |         |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 126369              | 47.395  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 94.780%  |         |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 481011              | 52.751  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 105.500% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 163792              | 45.658  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 91.320%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 36498               | 21.141  | ug/l   | 98       |
| 3) Chloromethane             | 2.113          | 50   | 55361               | 19.280  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.247          | 62   | 62425               | 18.054  | ug/l   | 99       |
| 5) Bromomethane              | 2.637          | 94   | 42677               | 17.395  | ug/l   | 94       |
| 6) Chloroethane              | 2.784          | 64   | 41316               | 17.930  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.119          | 101  | 89774               | 21.320  | ug/l   | 94       |
| 8) Diethyl Ether             | 3.527          | 74   | 31261               | 23.077  | ug/l   | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893          | 101  | 55287               | 22.902  | ug/l   | 93       |
| 10) Methyl Iodide            | 4.088          | 142  | 64356               | 19.942  | ug/l   | 92       |
| 11) Tert butyl alcohol       | 4.942          | 59   | 44276               | 188.137 | ug/l # | 95       |
| 12) 1,1-Dichloroethene       | 3.869          | 96   | 51523               | 21.869  | ug/l   | 85       |
| 13) Acrolein                 | 3.729          | 56   | 18820               | 99.311  | ug/l   | 96       |
| 14) Allyl chloride           | 4.472          | 41   | 83190               | 23.588  | ug/l # | 88       |
| 15) Acrylonitrile            | 5.155          | 53   | 81112               | 122.909 | ug/l   | 98       |
| 16) Acetone                  | 3.942          | 43   | 63024               | 98.243  | ug/l # | 84       |
| 17) Carbon Disulfide         | 4.186          | 76   | 160511              | 21.082  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.472          | 43   | 44101               | 26.912  | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 5.216          | 73   | 137748              | 22.335  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.716          | 84   | 83161               | 27.201  | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.216          | 96   | 59630               | 21.675  | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.112          | 45   | 181738              | 23.496  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.057          | 43   | 523642              | 111.763 | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.009          | 63   | 108437              | 23.022  | ug/l   | 99       |
| 25) 2-Butanone               | 6.984          | 43   | 101903              | 110.487 | ug/l # | 88       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 94552               | 21.148  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.978          | 96   | 66780               | 21.873  | ug/l   | 91       |
| 28) Bromochloromethane       | 7.332          | 49   | 21735               | 16.000  | ug/l   | 91       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 65827               | 121.370 | ug/l # | 88       |
| 30) Chloroform               | 7.502          | 83   | 108539              | 22.328  | ug/l   | 99       |
| 31) Cyclohexane              | 7.783          | 56   | 97649               | 21.598  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 7.697          | 97   | 94654               | 21.615  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 83040               | 21.574  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.069          | 43   | 45274               | 23.969  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 85934               | 21.435  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.185          | 83   | 98299               | 20.791  | ug/l   | 92       |
| 40) Benzene                  | 8.155          | 78   | 246304              | 22.214  | ug/l   | 96       |

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 ALS Vial : 6 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :  
 VY1012SBS01

Manual Integrations  
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 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 05:33:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 24254m   | 23.372  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 69371    | 22.130  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 76948    | 22.508  | ug/l # | 89       |
| 44) Trichloroethene           | 8.935  | 130  | 64625    | 21.526  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 61697    | 23.082  | ug/l   | 98       |
| 46) Dibromomethane            | 9.307  | 93   | 34287    | 22.426  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.496  | 83   | 82441    | 22.343  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 36589    | 22.787  | ug/l # | 84       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 9195     | 488.550 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 220851   | 118.080 | ug/l   | 89       |
| 52) Toluene                   | 10.240 | 92   | 153660   | 21.775  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 83407    | 21.834  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 96991    | 22.171  | ug/l # | 82       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 48199    | 22.467  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 61942    | 22.472  | ug/l # | 78       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 83717    | 22.952  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 108401   | 94.386  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.831 | 43   | 149353   | 115.296 | ug/l   | 87       |
| 60) Dibromochloromethane      | 10.983 | 129  | 57520    | 22.362  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 45510    | 22.248  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 61447    | 21.481  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.514 | 112  | 162102   | 21.697  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 58872    | 21.558  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 285181   | 21.210  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 222657   | 42.314  | ug/l   | 95       |
| 69) o-Xylene                  | 12.026 | 106  | 103051   | 20.947  | ug/l   | 95       |
| 70) Styrene                   | 12.044 | 104  | 178269   | 21.500  | ug/l   | 95       |
| 71) Bromoform                 | 12.209 | 173  | 35986    | 22.138  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 277967   | 21.247  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 67499    | 22.449  | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 57392    | 23.481  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 43137m   | 23.937  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 64834    | 21.603  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.672 | 91   | 344491   | 21.621  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 191439   | 21.476  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 239120   | 21.610  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 19463    | 22.560  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 200474   | 21.508  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 200928   | 21.300  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 237215   | 21.805  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 304875   | 21.470  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 251258   | 21.090  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 129618   | 21.279  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 128589   | 21.319  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 238330   | 21.739  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.958 | 117  | 49656    | 21.791  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 115583   | 21.770  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 8980     | 22.848  | ug/l   | 82       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 65837    | 21.134  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 40023    | 20.837  | ug/l   | 96       |
| 95) Naphthalene               | 15.233 | 128  | 130792   | 22.029  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 58271    | 21.943  | ug/l   | 99       |

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 Sample : VY1012SBSD01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_Y  
**ClientSampleId :**  
 VY1012SBSD01

**Manual Integrations**  
**APPROVED**

Reviewed By :Krupa Patel 10/13/2022  
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 05:33:49 2022  
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 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 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

