

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031023\  
 Data File : VY012910.D  
 Acq On : 10 Mar 2023 11:01  
 Operator : KP/MD  
 Sample : VY0310SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0310SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 03/13/2023  
 Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 11 05:44:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 98016      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 147531     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 134397     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 71742      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.143          | 65   | 46382      | 47.661  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 95.320% |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 43946      | 49.358  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 98.720% |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 151724     | 46.614  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 93.220% |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 54728      | 49.815  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 99.640% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 21150      | 21.892  | ug/l   | 98       |
| 3) Chloromethane             | 2.113          | 50   | 22844      | 19.779  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.253          | 62   | 22307      | 21.062  | ug/l   | 97       |
| 5) Bromomethane              | 2.637          | 94   | 14148      | 21.985  | ug/l   | 93       |
| 6) Chloroethane              | 2.790          | 64   | 13879      | 21.881  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 39427      | 22.414  | ug/l   | 93       |
| 8) Diethyl Ether             | 3.527          | 74   | 13352      | 21.661  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899          | 101  | 22894      | 21.633  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.094          | 142  | 27070      | 19.631  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 16631      | 139.708 | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 3.869          | 96   | 21391      | 21.193  | ug/l   | 99       |
| 13) Acrolein                 | 3.735          | 56   | 16489      | 96.710  | ug/l   | 99       |
| 14) Allyl chloride           | 4.479          | 41   | 36155      | 19.392  | ug/l   | 95       |
| 15) Acrylonitrile            | 5.161          | 53   | 38246      | 117.755 | ug/l   | 99       |
| 16) Acetone                  | 3.948          | 43   | 42857      | 112.198 | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.192          | 76   | 69415      | 20.204  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.479          | 43   | 25628      | 22.530  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 57683      | 22.125  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.716          | 84   | 28669      | 21.537  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.222          | 96   | 24214      | 22.076  | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.118          | 45   | 72271      | 21.342  | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.064          | 43   | 230314     | 109.459 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.021          | 63   | 41393      | 21.451  | ug/l   | 100      |
| 25) 2-Butanone               | 6.984          | 43   | 55628      | 117.579 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 37425      | 21.837  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.990          | 96   | 26249      | 22.321  | ug/l   | 97       |
| 28) Bromochloromethane       | 7.332          | 49   | 15911      | 22.563  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 33746      | 118.265 | ug/l   | 97       |
| 30) Chloroform               | 7.508          | 83   | 42860      | 22.486  | ug/l   | 97       |
| 31) Cyclohexane              | 7.783          | 56   | 37662      | 20.207  | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 7.704          | 97   | 38260      | 22.196  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 32754      | 21.953  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.070          | 43   | 22649      | 24.084  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 36049      | 23.397  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.185          | 83   | 37496      | 21.138  | ug/l   | 99       |
| 40) Benzene                  | 8.161          | 78   | 94779      | 22.457  | ug/l   | 99       |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0310SBS01

Quant Time: Mar 11 05:44:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/13/2023  
 Supervised By :Mahesh Dadoda 03/13/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 11069m   | 21.847  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 29326    | 23.112  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.271  | 43   | 38622    | 23.019  | ug/l   | 100      |
| 44) Trichloroethene           | 8.941  | 130  | 25134    | 22.587  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 23740    | 22.257  | ug/l   | 100      |
| 46) Dibromomethane            | 9.301  | 93   | 14350    | 23.615  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 33013    | 23.054  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.295  | 41   | 17718    | 22.919  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 4179     | 531.976 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 110985   | 121.949 | ug/l   | 99       |
| 52) Toluene                   | 10.246 | 92   | 58932    | 23.153  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 34458    | 22.941  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 38406    | 22.591  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 20184    | 23.851  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 26840    | 23.786  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 33893    | 23.514  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 71007    | 119.870 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.831 | 43   | 83083    | 125.609 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.983 | 129  | 24819    | 24.093  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 19339    | 23.723  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 22295    | 22.785  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 64185    | 22.755  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 24602    | 23.571  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 108912   | 21.962  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 86058    | 45.109  | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 39989    | 22.459  | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 68785    | 23.150  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 16659    | 24.480  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 107203   | 21.085  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 33822    | 21.142  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 26166    | 22.894  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 18775m   | 21.915  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 26863    | 21.748  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 132157   | 21.083  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 73749    | 21.168  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 90528    | 21.575  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 9163     | 22.161  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 78721    | 21.828  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 77701    | 21.455  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 89380    | 21.784  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 119178   | 21.570  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 98351    | 21.781  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 52886    | 22.200  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 53282    | 21.915  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 90568    | 20.951  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.959 | 117  | 19970    | 21.234  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 48097    | 22.335  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 4422     | 23.940  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 28541    | 21.526  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 17705    | 21.893  | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 57044    | 21.469  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 26217    | 22.233  | ug/l   | 99       |

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ALS Vial : 5 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 11 05:44:56 2023  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

