

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012323\  
 Data File : VY012309.D  
 Acq On : 23 Jan 2023 13:27  
 Operator : KP/MD  
 Sample : VY0123SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0123SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 01/24/2023  
 Supervised By :Mahesh Dadoda 01/25/2023

Quant Time: Jan 23 14:21:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 173816     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 263834     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 239765     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 122385     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.142          | 65   | 71211      | 49.378  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 98.760% |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 64658      | 46.283  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 92.560% |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 235197     | 48.457  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 96.920% |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 87711      | 44.538  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 89.080% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 32166      | 21.176  | ug/l   | 100      |
| 3) Chloromethane             | 2.113          | 50   | 27646      | 19.715  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.253          | 62   | 32814      | 20.048  | ug/l   | 100      |
| 5) Bromomethane              | 2.643          | 94   | 26557      | 20.987  | ug/l   | 94       |
| 6) Chloroethane              | 2.790          | 64   | 22163      | 20.763  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 67664      | 21.182  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.534          | 74   | 18286      | 19.237  | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899          | 101  | 32345      | 20.804  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.088          | 142  | 39679      | 16.794  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 18555      | 101.197 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 32897      | 20.607  | ug/l   | 92       |
| 13) Acrolein                 | 3.729          | 56   | 8344       | 112.220 | ug/l   | 98       |
| 14) Allyl chloride           | 4.485          | 41   | 38754      | 19.633  | ug/l # | 81       |
| 15) Acrylonitrile            | 5.161          | 53   | 40478      | 97.491  | ug/l   | 99       |
| 16) Acetone                  | 3.942          | 43   | 42563      | 87.940  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.192          | 76   | 99699      | 20.191  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.479          | 43   | 19810      | 18.291  | ug/l # | 86       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 86293      | 19.391  | ug/l   | 95       |
| 20) Methylene Chloride       | 4.716          | 84   | 41944      | 15.162  | ug/l   | 86       |
| 21) trans-1,2-Dichloroethene | 5.222          | 96   | 35823      | 20.109  | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.118          | 45   | 80346      | 20.417  | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.064          | 43   | 238749     | 97.363  | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 56023      | 20.525  | ug/l   | 96       |
| 25) 2-Butanone               | 6.984          | 43   | 49303      | 92.271  | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 61534      | 20.767  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 40072      | 20.478  | ug/l   | 94       |
| 28) Bromochloromethane       | 7.332          | 49   | 11445      | 19.199  | ug/l # | 74       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 27236      | 92.797  | ug/l # | 82       |
| 30) Chloroform               | 7.508          | 83   | 65855      | 20.439  | ug/l   | 97       |
| 31) Cyclohexane              | 7.789          | 56   | 51309      | 20.246  | ug/l # | 88       |
| 32) 1,1,1-Trichloroethane    | 7.704          | 97   | 65953      | 20.676  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 48525      | 20.438  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.069          | 43   | 19622      | 18.747  | ug/l # | 96       |
| 38) Carbon Tetrachloride     | 7.905          | 117  | 63470      | 20.699  | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.185          | 83   | 60427      | 20.827  | ug/l   | 93       |
| 40) Benzene                  | 8.161          | 78   | 140142     | 20.451  | ug/l   | 100      |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Reviewed By :Krupa Patel 01/24/2023  
 Supervised By :Mahesh Dadoda 01/25/2023

Quant Time: Jan 23 14:21:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.326  | 41   | 11768m   | 19.128  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 44045    | 20.189  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 36162    | 18.570  | ug/l # | 92       |
| 44) Trichloroethene           | 8.941  | 130  | 41238    | 20.134  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 29066    | 20.327  | ug/l   | 99       |
| 46) Dibromomethane            | 9.307  | 93   | 18803    | 19.643  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 48976    | 20.325  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.295  | 41   | 16759    | 18.679  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 4860     | 372.597 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 97064    | 93.479  | ug/l   | 95       |
| 52) Toluene                   | 10.246 | 92   | 93058    | 20.396  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 49338    | 19.575  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 54503    | 20.079  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 26694    | 19.628  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 34449    | 19.307  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 44679    | 20.116  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 58076    | 98.370  | ug/l # | 89       |
| 59) 2-Hexanone                | 10.831 | 43   | 72746    | 92.020  | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.983 | 129  | 35540    | 19.702  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 25288    | 19.269  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.721 | 164  | 45972    | 21.013  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.520 | 112  | 98876    | 20.155  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 37687    | 20.353  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 177709   | 20.269  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 142838   | 41.205  | ug/l   | 98       |
| 69) o-Xylene                  | 12.032 | 106  | 66157    | 19.981  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 112594   | 20.352  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 22551    | 19.062  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 182160   | 20.641  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 31380    | 18.139  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 26871    | 19.331  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 19966m   | 17.742  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 42185    | 19.865  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.672 | 91   | 212478   | 20.575  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 118468   | 20.290  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 158399   | 20.647  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 10873    | 19.907  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 122032   | 19.897  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 138763   | 20.753  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 155866   | 20.601  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 196179   | 20.607  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 172287   | 20.714  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 83543    | 19.780  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 82032    | 19.476  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 144797   | 20.088  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.965 | 117  | 30286    | 20.170  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 73295    | 19.449  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 5374     | 18.707  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 43247    | 17.910  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 28131    | 19.349  | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 78286    | 16.426  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 35677    | 17.170  | ug/l   | 99       |

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APPROVED

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Quant Time: Jan 23 14:21:55 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
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

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