

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022223\  
 Data File : VY012686.D  
 Acq On : 22 Feb 2023 11:46  
 Operator : KP/MD  
 Sample : VY0222SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0222SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 02/23/2023  
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 14:10:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:21:05 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 112639     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 174753     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 152522     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 74841      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.143          | 65   | 65693      | 49.381   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 98.760%  |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 57527      | 48.738   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 97.480%  |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 219130     | 49.554   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 99.100%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 70783      | 50.020   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 100.040% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 22093      | 19.078   | ug/l   | 98       |
| 3) Chloromethane             | 2.113          | 50   | 28085      | 17.975   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.253          | 62   | 26043      | 20.353   | ug/l   | 99       |
| 5) Bromomethane              | 2.650          | 94   | 18625      | 26.578   | ug/l   | 100      |
| 6) Chloroethane              | 2.796          | 64   | 16452      | 20.198   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 42568      | 20.638   | ug/l   | 92       |
| 8) Diethyl Ether             | 3.528          | 74   | 15223      | 20.615   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.906          | 101  | 25369      | 20.582   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.095          | 142  | 31118      | 19.281   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 16166      | 111.090  | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 24468      | 20.562   | ug/l   | 88       |
| 13) Acrolein                 | 3.729          | 56   | 19243      | 104.659  | ug/l   | 99       |
| 14) Allyl chloride           | 4.485          | 41   | 47346      | 20.501   | ug/l   | 97       |
| 15) Acrylonitrile            | 5.161          | 53   | 38366      | 97.657   | ug/l   | 99       |
| 16) Acetone                  | 3.948          | 43   | 42366      | 97.597   | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.198          | 76   | 80775      | 20.172   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.472          | 43   | 26943      | 19.268   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 63629      | 19.879   | ug/l   | 100      |
| 20) Methylene Chloride       | 4.716          | 84   | 33472      | 21.261   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.222          | 96   | 26533      | 20.499   | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.125          | 45   | 91206      | 21.164   | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.064          | 43   | 278566     | 104.370  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 49048      | 20.525   | ug/l   | 98       |
| 25) 2-Butanone               | 6.984          | 43   | 55590      | 96.487   | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 43278      | 20.762   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 28809      | 20.343   | ug/l   | 99       |
| 28) Bromochloromethane       | 7.338          | 49   | 19819      | 20.712   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.350          | 42   | 34926      | 99.294   | ug/l   | 98       |
| 30) Chloroform               | 7.509          | 83   | 46975      | 20.288   | ug/l   | 97       |
| 31) Cyclohexane              | 7.789          | 56   | 46813      | 20.255   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.704          | 97   | 43242      | 20.630   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 38251      | 20.445   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.076          | 43   | 23734      | 18.800   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 39826      | 20.587   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.185          | 83   | 43963      | 20.370   | ug/l   | 95       |
| 40) Benzene                  | 8.161          | 78   | 107883     | 20.657   | ug/l   | 98       |

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 ALS Vial : 6 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :  
 VY0222SBS01

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Quant Time: Feb 22 14:10:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:21:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 12099m   | 19.677  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 33684    | 20.800  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 42686    | 19.567  | ug/l   | 99       |
| 44) Trichloroethene           | 8.941  | 130  | 26918    | 19.936  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 27132    | 20.197  | ug/l   | 97       |
| 46) Dibromomethane            | 9.307  | 93   | 14803    | 19.962  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.496  | 83   | 35794    | 20.050  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.295  | 41   | 20253    | 19.895  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 3405     | 337.172 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 114258   | 97.093  | ug/l   | 99       |
| 52) Toluene                   | 10.246 | 92   | 64201    | 20.748  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 37077    | 19.875  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 42739    | 20.247  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 19982    | 19.839  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 26634    | 19.363  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 35292    | 19.936  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 68778    | 91.493  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.831 | 43   | 81256    | 97.400  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.983 | 129  | 24466    | 20.049  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 19264    | 19.963  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 22593    | 20.367  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 66960    | 20.473  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 24142    | 19.917  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 121412   | 20.767  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 91927    | 41.219  | ug/l   | 98       |
| 69) o-Xylene                  | 12.032 | 106  | 42805    | 20.722  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 72273    | 20.875  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 15460    | 19.988  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 114638   | 20.728  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 35542    | 19.549  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 24612    | 19.792  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 18338m   | 19.654  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 26844    | 20.256  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.672 | 91   | 142173   | 20.552  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 78667    | 20.469  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 95270    | 20.622  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 8529     | 19.366  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 81812    | 20.525  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 81871    | 20.753  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 92817    | 20.552  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 124473   | 20.738  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 104024   | 21.044  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 53068    | 20.445  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 52869    | 20.086  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 96873    | 20.463  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.965 | 117  | 20470    | 20.405  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 47159    | 20.344  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 3525     | 17.245  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 28665    | 19.552  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 17374    | 19.636  | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 53857    | 18.180  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 25818    | 19.895  | ug/l   | 95       |

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VY0222SBSD01

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QLast Update : Wed Feb 22 01:21:05 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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