

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012723\  
 Data File : VY012378.D  
 Acq On : 27 Jan 2023 13:10  
 Operator : KP/MD  
 Sample : VY0127SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0127SBS01

Quant Time: Jan 30 02:37:25 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

### Manual Integrations APPROVED

Reviewed By :Krupa  
 Patel

01/30/2023

Supervised By :Mahesh

Dadoda

01/30/2023

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 156339     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 234336     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 218659     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 117126     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.142          | 65   | 64339      | 49.619  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 99.240% |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 57316      | 46.192  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 92.380% |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 207859     | 48.192  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 96.380% |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 81349      | 46.507  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 93.020% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 28277      | 20.697  | ug/l   | 97       |
| 3) Chloromethane             | 2.119          | 50   | 23762      | 18.840  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.253          | 62   | 29268      | 19.881  | ug/l   | 98       |
| 5) Bromomethane              | 2.649          | 94   | 24502      | 21.527  | ug/l   | 99       |
| 6) Chloroethane              | 2.796          | 64   | 20038      | 20.871  | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 3.131          | 101  | 61908      | 21.547  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.533          | 74   | 17049      | 19.941  | ug/l   | 78       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899          | 101  | 29100      | 20.810  | ug/l   | 93       |
| 10) Methyl Iodide            | 4.094          | 142  | 36392      | 17.125  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 4.954          | 59   | 24193      | 152.519 | ug/l   | 95       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 29432      | 20.498  | ug/l   | 97       |
| 13) Acrolein                 | 3.735          | 56   | 7670       | 115.536 | ug/l   | 99       |
| 14) Allyl chloride           | 4.484          | 41   | 34499      | 19.431  | ug/l # | 82       |
| 15) Acrylonitrile            | 5.167          | 53   | 39987      | 107.075 | ug/l   | 99       |
| 16) Acetone                  | 3.948          | 43   | 42320      | 97.213  | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.198          | 76   | 85883      | 19.337  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.484          | 43   | 19741      | 20.265  | ug/l # | 86       |
| 19) Methyl tert-butyl Ether  | 5.228          | 73   | 83142      | 20.772  | ug/l   | 94       |
| 20) Methylene Chloride       | 4.716          | 84   | 39176      | 16.107  | ug/l # | 81       |
| 21) trans-1,2-Dichloroethene | 5.222          | 96   | 33290      | 20.776  | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.124          | 45   | 70031      | 19.785  | ug/l # | 88       |
| 23) Vinyl Acetate            | 6.063          | 43   | 218413     | 99.027  | ug/l # | 91       |
| 24) 1,1-Dichloroethane       | 6.021          | 63   | 49484      | 20.156  | ug/l   | 95       |
| 25) 2-Butanone               | 6.984          | 43   | 49516      | 103.029 | ug/l # | 86       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 56009      | 21.015  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.990          | 96   | 35683      | 20.274  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.338          | 49   | 10173      | 18.973  | ug/l # | 72       |
| 29) Tetrahydrofuran          | 7.350          | 42   | 27079      | 102.576 | ug/l # | 77       |
| 30) Chloroform               | 7.508          | 83   | 61064      | 21.070  | ug/l   | 100      |
| 31) Cyclohexane              | 7.789          | 56   | 44923      | 19.708  | ug/l # | 85       |
| 32) 1,1,1-Trichloroethane    | 7.703          | 97   | 60930      | 21.237  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 42933      | 20.359  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.075          | 43   | 19013      | 20.452  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 7.905          | 117  | 58794      | 21.588  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.185          | 83   | 52907      | 20.530  | ug/l   | 93       |
| 40) Benzene                  | 8.161          | 78   | 126053     | 20.711  | ug/l   | 99       |

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 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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 Patel

01/30/2023

Supervised By :Mahesh

Dadoda

01/30/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 9289m    | 16.999  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 41941    | 21.645  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 35034    | 20.256  | ug/l # | 91       |
| 44) Trichloroethene           | 8.941  | 130  | 37727    | 20.738  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 25851    | 20.355  | ug/l   | 99       |
| 46) Dibromomethane            | 9.307  | 93   | 18324    | 21.552  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.496  | 83   | 45122    | 21.083  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.295  | 41   | 16501    | 20.706  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 5360     | 462.657 | ug/l   | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 96681    | 104.831 | ug/l   | 93       |
| 52) Toluene                   | 10.246 | 92   | 85320    | 21.054  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 46021    | 20.558  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 50020    | 20.748  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 25686    | 21.264  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 32835    | 20.719  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 42376    | 21.480  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 53189    | 101.433 | ug/l # | 86       |
| 59) 2-Hexanone                | 10.831 | 43   | 72728    | 103.577 | ug/l   | 92       |
| 60) Dibromochloromethane      | 10.983 | 129  | 33994    | 21.218  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 24460    | 20.985  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 42849    | 21.476  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.520 | 112  | 91827    | 20.525  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 36477    | 21.601  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 164280   | 20.546  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 132055   | 41.771  | ug/l   | 98       |
| 69) o-Xylene                  | 12.032 | 106  | 61803    | 20.467  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 105890   | 20.988  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 23556    | 21.834  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.331 | 105  | 169754   | 20.099  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 30704    | 18.545  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 27568    | 20.723  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.635 | 75   | 19159m   | 17.789  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 40638    | 19.996  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.672 | 91   | 197837   | 20.018  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 109389   | 19.576  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 148372   | 20.208  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 10507    | 20.101  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 117173   | 19.962  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 130479   | 20.390  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 146227   | 20.195  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 182958   | 20.081  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 159537   | 20.042  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 80949    | 20.027  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 80026    | 19.852  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 137243   | 19.895  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.964 | 117  | 28007    | 19.490  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 73953    | 20.505  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 5670     | 20.624  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 43930    | 19.010  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 27776    | 19.963  | ug/l   | 100      |
| 95) Naphthalene               | 15.239 | 128  | 86013    | 18.857  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 38550    | 19.385  | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration

Instrument :  
MSVOA\_Y  
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VY0127SBS01

Manual Integrations  
APPROVED

Reviewed By :Krupa  
Patel  
01/30/2023

Supervised By :Mahesh  
Dadoda  
01/30/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

