

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052423\  
 Data File : VY013841.D  
 Acq On : 24 May 2023 13:14  
 Operator : KP/MD  
 Sample : VY0524SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0524SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 05/25/2023  
 Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 25 07:07:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 24 05:25:47 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 246675              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 391474              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 348242              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 173144              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.142          | 65   | 144044              | 50.475  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 100.940% |         |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 126723              | 50.125  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 100.240% |         |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 461669              | 48.047  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 96.100%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 158256              | 49.549  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 99.100%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 36196               | 16.019  | ug/l   | 94       |
| 3) Chloromethane             | 2.113          | 50   | 47438               | 17.233  | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.253          | 62   | 46725               | 16.598  | ug/l   | 97       |
| 5) Bromomethane              | 2.649          | 94   | 42984               | 19.215  | ug/l   | 92       |
| 6) Chloroethane              | 2.790          | 64   | 33634               | 18.336  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 84153               | 17.762  | ug/l   | 98       |
| 8) Diethyl Ether             | 3.533          | 74   | 27943               | 19.229  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.905          | 101  | 47426               | 18.466  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.088          | 142  | 51209               | 16.795  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 4.960          | 59   | 22486               | 102.855 | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 42890               | 17.775  | ug/l   | 95       |
| 13) Acrolein                 | 3.735          | 56   | 35258               | 107.217 | ug/l   | 95       |
| 14) Allyl chloride           | 4.478          | 41   | 83890               | 19.044  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.167          | 53   | 77070               | 103.438 | ug/l   | 98       |
| 16) Acetone                  | 3.954          | 43   | 86237               | 101.814 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.198          | 76   | 112038              | 15.556  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.485          | 43   | 63809               | 21.715  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 5.228          | 73   | 130099              | 19.757  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.716          | 84   | 79401               | 25.178  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.222          | 96   | 46625               | 17.776  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.118          | 45   | 173135              | 20.356  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.064          | 43   | 494106              | 99.743  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.021          | 63   | 96799               | 19.495  | ug/l   | 100      |
| 25) 2-Butanone               | 6.984          | 43   | 106865              | 103.397 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 86621               | 19.367  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.990          | 96   | 56865               | 19.299  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.332          | 49   | 33379               | 22.903  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.350          | 42   | 63645               | 103.140 | ug/l   | 99       |
| 30) Chloroform               | 7.508          | 83   | 100572              | 19.978  | ug/l   | 99       |
| 31) Cyclohexane              | 7.789          | 56   | 76142               | 17.366  | ug/l # | 93       |
| 32) 1,1,1-Trichloroethane    | 7.703          | 97   | 87035               | 18.952  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 67536               | 17.539  | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.076          | 43   | 47629               | 20.277  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 7.905          | 117  | 77463               | 17.689  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.185          | 83   | 74044               | 16.419  | ug/l   | 98       |
| 40) Benzene                  | 8.161          | 78   | 203115              | 18.365  | ug/l   | 99       |

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 Sample : VY0524SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0524SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 05/25/2023  
 Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 25 07:07:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 24 05:25:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 22349    | 17.438  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 70102    | 19.359  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 85517    | 19.979  | ug/l   | 99       |
| 44) Trichloroethene           | 8.941  | 130  | 53070    | 17.810  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 54686    | 19.301  | ug/l   | 96       |
| 46) Dibromomethane            | 9.307  | 93   | 30759    | 18.956  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.496  | 83   | 76235    | 19.278  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.295  | 41   | 38141    | 18.976  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 7153     | 375.087 | ug/l # | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 232643   | 101.989 | ug/l   | 99       |
| 52) Toluene                   | 10.246 | 92   | 124861   | 18.516  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 77296    | 19.203  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 87055    | 19.305  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 42917    | 19.659  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 56056    | 19.236  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 72507    | 19.502  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 104111   | 111.970 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.831 | 43   | 167681   | 103.344 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.983 | 129  | 54980    | 19.910  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 40698    | 19.597  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 44984    | 17.458  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 136272   | 18.671  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 53533    | 19.004  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 236917   | 18.038  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 184238   | 37.065  | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 86566    | 18.488  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 151166   | 19.060  | ug/l   | 100      |
| 71) Bromoform                 | 12.209 | 173  | 36562    | 19.858  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.331 | 105  | 232448   | 18.037  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 74492    | 19.226  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 51784    | 19.411  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 39728m   | 19.459  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 58207    | 18.408  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.672 | 91   | 286051   | 17.967  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 162108   | 18.229  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 194885   | 18.320  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 17700    | 18.819  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 173461   | 18.872  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 167182   | 18.045  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 192746   | 18.459  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 251156   | 18.249  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 206087   | 18.117  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 111012   | 18.177  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 114150   | 18.774  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 200116   | 18.345  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.958 | 117  | 42472    | 18.185  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 102219   | 18.833  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 8900     | 19.042  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 62378    | 18.538  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 39171    | 18.463  | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 116047   | 18.824  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 55172    | 18.438  | ug/l   | 100      |

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Sample : VY0524SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0524SBSD01

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 05/25/2023  
Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 25 07:07:47 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052323S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 24 05:25:47 2023  
Response via : Initial Calibration

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

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

