

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111122\  
 Data File : VY011408.D  
 Acq On : 11 Nov 2022 11:16  
 Operator : KP/MD  
 Sample : VY1111SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1111SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa  
 Patel

Quant Time: Nov 11 13:32:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.783  | 168   | 276642   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685  | 114   | 431663   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489 | 117   | 393241   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 201746   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136  | 65    | 110264   | 47.565   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 95.120%  |
| 35) Dibromofluoromethane     | 7.710  | 113   | 118542   | 49.002   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 98.000%  |
| 50) Toluene-d8               | 10.179 | 98    | 436674   | 47.250   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 94.500%  |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 162638   | 50.454   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 100.900% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.900  | 85    | 47828    | 26.738   | ug/l   | 100      |
| 3) Chloromethane             | 2.113  | 50    | 47389    | 21.314   | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.247  | 62    | 56087    | 21.400   | ug/l   | 97       |
| 5) Bromomethane              | 2.637  | 94    | 40536    | 21.358   | ug/l   | 99       |
| 6) Chloroethane              | 2.784  | 64    | 36422    | 20.928   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.119  | 101   | 88492    | 21.399   | ug/l   | 92       |
| 8) Diethyl Ether             | 3.521  | 74    | 30201    | 20.798   | ug/l   | 74       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893  | 101   | 52355    | 20.883   | ug/l   | 95       |
| 10) Methyl Iodide            | 4.082  | 142   | 63675    | 19.043   | ug/l   | 91       |
| 11) Tert butyl alcohol       | 4.936  | 59    | 43066    | 137.458  | ug/l # | 95       |
| 12) 1,1-Dichloroethene       | 3.863  | 96    | 49814    | 20.068   | ug/l # | 79       |
| 13) Acrolein                 | 3.723  | 56    | 12110    | 163.728  | ug/l   | 98       |
| 14) Allyl chloride           | 4.472  | 41    | 67013    | 20.005   | ug/l # | 83       |
| 15) Acrylonitrile            | 5.155  | 53    | 73486    | 105.909  | ug/l   | 97       |
| 16) Acetone                  | 3.942  | 43    | 62389    | 101.989  | ug/l # | 83       |
| 17) Carbon Disulfide         | 4.186  | 76    | 144334   | 19.522   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.472  | 43    | 39219    | 22.497   | ug/l # | 81       |
| 19) Methyl tert-butyl Ether  | 5.216  | 73    | 132268   | 20.374   | ug/l   | 97       |
| 20) Methylene Chloride       | 4.710  | 84    | 107991   | 29.388   | ug/l # | 77       |
| 21) trans-1,2-Dichloroethene | 5.210  | 96    | 57211    | 20.214   | ug/l # | 83       |
| 22) Diisopropyl ether        | 6.112  | 45    | 146950   | 20.555   | ug/l # | 89       |
| 23) Vinyl Acetate            | 6.051  | 43    | 432294   | 103.358  | ug/l # | 88       |
| 24) 1,1-Dichloroethane       | 6.009  | 63    | 95453    | 20.503   | ug/l   | 99       |
| 25) 2-Butanone               | 6.984  | 43    | 93067    | 106.807  | ug/l # | 79       |
| 26) 2,2-Dichloropropane      | 6.978  | 77    | 89348    | 20.521   | ug/l   | 94       |
| 27) cis-1,2-Dichloroethene   | 6.978  | 96    | 65423    | 20.540   | ug/l   | 84       |
| 28) Bromochloromethane       | 7.325  | 49    | 33703    | 19.934   | ug/l # | 70       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 56947    | 107.891  | ug/l # | 76       |
| 30) Chloroform               | 7.502  | 83    | 102731   | 20.864   | ug/l   | 100      |
| 31) Cyclohexane              | 7.777  | 56    | 80349    | 19.289   | ug/l # | 79       |
| 32) 1,1,1-Trichloroethane    | 7.697  | 97    | 92046    | 20.669   | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 7.911  | 75    | 75757    | 20.177   | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.063  | 43    | 39058    | 21.655   | ug/l # | 88       |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 84835    | 20.772   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.179  | 83    | 91225    | 19.884   | ug/l   | 89       |
| 40) Benzene                  | 8.155  | 78    | 230634   | 20.570   | ug/l   | 95       |

11/14/2022  
 Supervised By :Mahesh  
 adoda

11/14/2022

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1111SBS01

Manual Integrations  
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Reviewed By :Krupa  
 Patel

Quant Time: Nov 11 13:32:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min)                        |
|-------------------------------|--------|------|----------|---------|--------|---------------------------------|
| 41) Methacrylonitrile         | 7.319  | 41   | 21192m   | 22.691  | ug/l   | 11/14/2022                      |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 62237    | 21.181  | ug/l   | Supervised By :Mahesh<br>Dadoda |
| 43) Isopropyl Acetate         | 8.270  | 43   | 67810    | 20.841  | ug/l # | 82                              |
| 44) Trichloroethene           | 8.935  | 130  | 63717    | 20.230  | ug/l   | 99                              |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 54383    | 20.380  | ug/l   | 96                              |
| 46) Dibromomethane            | 9.301  | 93   | 32737    | 21.071  | ug/l   | 96                              |
| 47) Bromodichloromethane      | 9.490  | 83   | 77874    | 20.920  | ug/l   | 99                              |
| 48) Methyl methacrylate       | 9.289  | 41   | 30242    | 20.683  | ug/l # | 11/14/2022                      |
| 49) 1,4-Dioxane               | 9.295  | 88   | 9633     | 454.153 | ug/l # | 81                              |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 190496   | 108.875 | ug/l # | 85                              |
| 52) Toluene                   | 10.240 | 92   | 146620   | 20.478  | ug/l   | 97                              |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 80216    | 20.899  | ug/l   | 99                              |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 90300    | 20.384  | ug/l # | 79                              |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 46972    | 20.877  | ug/l   | 98                              |
| 56) Ethyl methacrylate        | 10.508 | 69   | 60380    | 20.869  | ug/l # | 70                              |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 80122    | 21.347  | ug/l   | 99                              |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 143861   | 107.568 | ug/l   | 92                              |
| 59) 2-Hexanone                | 10.831 | 43   | 134662   | 108.641 | ug/l   | 80                              |
| 60) Dibromochloromethane      | 10.983 | 129  | 58650    | 21.118  | ug/l   | 100                             |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 46426    | 21.461  | ug/l   | 100                             |
| 64) Tetrachloroethene         | 10.715 | 164  | 65162    | 20.730  | ug/l   | 96                              |
| 65) Chlorobenzene             | 11.514 | 112  | 159611   | 20.279  | ug/l   | 100                             |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 60445    | 20.526  | ug/l   | 98                              |
| 67) Ethyl Benzene             | 11.593 | 91   | 275816   | 20.055  | ug/l   | 97                              |
| 68) m/p-Xylenes               | 11.697 | 106  | 220428   | 40.882  | ug/l   | 93                              |
| 69) o-Xylene                  | 12.026 | 106  | 102584   | 20.172  | ug/l   | 93                              |
| 70) Styrene                   | 12.044 | 104  | 174565   | 20.420  | ug/l   | 95                              |
| 71) Bromoform                 | 12.203 | 173  | 38570    | 21.131  | ug/l # | 100                             |
| 73) Isopropylbenzene          | 12.325 | 105  | 272641   | 19.552  | ug/l   | 100                             |
| 74) N-amyl acetate            | 12.142 | 43   | 58933    | 20.089  | ug/l # | 79                              |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 54444    | 20.322  | ug/l   | 98                              |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 40272m   | 17.245  | ug/l   |                                 |
| 77) Bromobenzene              | 12.605 | 156  | 66442    | 19.926  | ug/l   | 94                              |
| 78) n-propylbenzene           | 12.666 | 91   | 333317   | 20.033  | ug/l   | 98                              |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 187383   | 19.693  | ug/l   | 97                              |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 234540   | 19.942  | ug/l   | 99                              |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 19648    | 20.224  | ug/l # | 81                              |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 196615   | 19.905  | ug/l   | 97                              |
| 83) tert-Butylbenzene         | 13.074 | 119  | 201162   | 19.783  | ug/l   | 92                              |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 230883   | 20.000  | ug/l   | 98                              |
| 85) sec-Butylbenzene          | 13.251 | 105  | 296727   | 19.824  | ug/l   | 99                              |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 250790   | 19.989  | ug/l   | 97                              |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 135156   | 20.305  | ug/l   | 99                              |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 134319   | 20.405  | ug/l   | 99                              |
| 89) n-Butylbenzene            | 13.696 | 91   | 222757   | 19.759  | ug/l   | 99                              |
| 90) Hexachloroethane          | 13.958 | 117  | 48942    | 19.937  | ug/l   | 94                              |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 121653   | 20.602  | ug/l   | 99                              |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 9356     | 21.433  | ug/l   | 79                              |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 71783    | 20.622  | ug/l   | 99                              |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 42478    | 20.656  | ug/l   | 99                              |
| 95) Naphthalene               | 15.233 | 128  | 139943   | 20.409  | ug/l   | 98                              |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 63460    | 21.111  | ug/l   | 99                              |

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

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Manual Integrations  
 APPROVED

Reviewed By :Krupa  
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Quant Time: Nov 11 13:32:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

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

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

11/14/2022  
 Supervised By :Mahesh  
 Dadoda

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