

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091222\  
 Data File : VY010449.D  
 Acq On : 12 Sep 2022 18:47  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/13/2022  
 Supervised By :Mahesh Dadoda 09/13/2022

Quant Time: Sep 13 05:19:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090922S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 09 17:08:30 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.783          | 168  | 201652              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 322531              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.483         | 117  | 295564              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 149640              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 121877              | 60.009  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 120.020% |         |        |          |
| 35) Dibromofluoromethane     | 7.704          | 113  | 116123              | 50.695  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 101.380% |         |        |          |
| 50) Toluene-d8               | 10.173         | 98   | 433732              | 58.424  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 116.840% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 154582              | 52.887  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 105.780% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 74506               | 55.197  | ug/l   | 100      |
| 3) Chloromethane             | 2.101          | 50   | 133942              | 59.121  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.235          | 62   | 153189              | 54.808  | ug/l   | 100      |
| 5) Bromomethane              | 2.631          | 94   | 89031               | 45.467  | ug/l   | 98       |
| 6) Chloroethane              | 2.778          | 64   | 99655               | 53.305  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.107          | 101  | 189417              | 53.500  | ug/l   | 90       |
| 8) Diethyl Ether             | 3.515          | 74   | 62692               | 54.674  | ug/l   | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 3.881          | 101  | 109638              | 52.890  | ug/l   | 95       |
| 10) Methyl Iodide            | 4.076          | 142  | 127851              | 49.842  | ug/l   | 92       |
| 11) Tert butyl alcohol       | 4.954          | 59   | 57407               | 267.850 | ug/l # | 93       |
| 12) 1,1-Dichloroethene       | 3.857          | 96   | 101099              | 51.988  | ug/l   | 86       |
| 13) Acrolein                 | 3.716          | 56   | 54300               | 280.251 | ug/l   | 99       |
| 14) Allyl chloride           | 4.460          | 41   | 163698              | 58.455  | ug/l # | 95       |
| 15) Acrylonitrile            | 5.149          | 53   | 162597              | 292.926 | ug/l   | 98       |
| 16) Acetone                  | 3.936          | 43   | 122918              | 263.724 | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.174          | 76   | 274716              | 52.239  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.466          | 43   | 79879               | 55.708  | ug/l # | 89       |
| 19) Methyl tert-butyl Ether  | 5.210          | 73   | 307974              | 57.347  | ug/l   | 96       |
| 20) Methylene Chloride       | 4.698          | 84   | 136511              | 62.152  | ug/l   | 88       |
| 21) trans-1,2-Dichloroethene | 5.198          | 96   | 117014              | 52.994  | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.106          | 45   | 374448              | 59.894  | ug/l   | 92       |
| 23) Vinyl Acetate            | 6.045          | 43   | 1167507             | 304.731 | ug/l # | 93       |
| 24) 1,1-Dichloroethane       | 6.003          | 63   | 219486              | 57.990  | ug/l   | 99       |
| 25) 2-Butanone               | 6.972          | 43   | 213382              | 288.077 | ug/l # | 88       |
| 26) 2,2-Dichloropropane      | 6.966          | 77   | 190386              | 52.714  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 6.972          | 96   | 138736              | 54.053  | ug/l   | 90       |
| 28) Bromochloromethane       | 7.319          | 49   | 71155               | 58.636  | ug/l   | 89       |
| 29) Tetrahydrofuran          | 7.338          | 42   | 137757              | 297.987 | ug/l # | 88       |
| 30) Chloroform               | 7.496          | 83   | 227036              | 56.551  | ug/l   | 99       |
| 31) Cyclohexane              | 7.777          | 56   | 183092              | 53.363  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.691          | 97   | 202418              | 55.681  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 167682              | 53.472  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.063          | 43   | 96005               | 58.237  | ug/l # | 97       |
| 38) Carbon Tetrachloride     | 7.893          | 117  | 181975              | 52.160  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.173          | 83   | 201263              | 51.473  | ug/l   | 92       |
| 40) Benzene                  | 8.149          | 78   | 484834              | 53.708  | ug/l   | 95       |

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Instrument :  
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 Quant Title : SW846 8260  
 QLast Update : Fri Sep 09 17:08:30 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 44349m   | 47.059   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 148130   | 55.181   | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.264  | 43   | 175269   | 58.096   | ug/l # | 92       |
| 44) Trichloroethene           | 8.929  | 130  | 131785   | 49.594   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 124765   | 56.670   | ug/l   | 95       |
| 46) Dibromomethane            | 9.295  | 93   | 71557    | 53.896   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.490  | 83   | 177588   | 56.313   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 80107    | 59.122   | ug/l # | 88       |
| 49) 1,4-Dioxane               | 9.289  | 88   | 20343    | 1157.485 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 491821   | 297.208  | ug/l   | 92       |
| 52) Toluene                   | 10.240 | 92   | 314716   | 53.275   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 178390   | 54.967   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 201118   | 54.943   | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 101244   | 53.608   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 138720   | 55.929   | ug/l   | 84       |
| 57) 1,3-Dichloropropane       | 10.782 | 76   | 172111   | 54.807   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 164864   | 241.502  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.825 | 43   | 337647   | 299.330  | ug/l   | 90       |
| 60) Dibromochloromethane      | 10.977 | 129  | 123400   | 53.468   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.081 | 107  | 95572    | 52.130   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 123197   | 46.244   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 336984   | 50.983   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 128478   | 52.481   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.587 | 91   | 616300   | 52.682   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.697 | 106  | 473616   | 103.124  | ug/l   | 96       |
| 69) o-Xylene                  | 12.026 | 106  | 228637   | 52.137   | ug/l   | 94       |
| 70) Styrene                   | 12.038 | 104  | 390264   | 52.581   | ug/l   | 96       |
| 71) Bromoform                 | 12.203 | 173  | 77404    | 50.573   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.325 | 105  | 612097   | 52.426   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 159077   | 58.395   | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.575 | 83   | 119041   | 54.505   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 80928m   | 49.002   | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 139085   | 50.273   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.666 | 91   | 735728   | 53.215   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 412559   | 53.122   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 512139   | 51.988   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 39735    | 53.421   | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 425849   | 52.708   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.068 | 119  | 443554   | 51.514   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 512270   | 53.146   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 669829   | 52.537   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 561151   | 52.033   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 280623   | 50.513   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 276405   | 50.245   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.690 | 91   | 519145   | 53.033   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 105855   | 52.278   | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 248087   | 50.419   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 20229    | 54.873   | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 148998   | 48.755   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.105 | 225  | 86526    | 46.925   | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 312405   | 51.828   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 130145   | 48.785   | ug/l   | 98       |

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ALS Vial : 15 Sample Multiplier: 1

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Quant Time: Sep 13 05:19:21 2022  
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Quant Title : SW846 8260  
QLast Update : Fri Sep 09 17:08:30 2022  
Response via : Initial Calibration

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

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

