

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110823\  
 Data File : VY016257.D  
 Acq On : 08 Nov 2023 10:34  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/09/2023  
 Supervised By : Mahesh Dadoda 11/09/2023

Quant Time: Nov 09 00:30:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:22:14 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.801          | 168  | 180824               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.697          | 114  | 289677               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.502         | 117  | 250625               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.434         | 152  | 112012               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.149          | 65   | 161944               | 97.990  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 195.980%# |         |        |          |
| 35) Dibromofluoromethane     | 7.728          | 113  | 161181               | 97.950  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 195.900%# |         |        |          |
| 50) Toluene-d8               | 10.191         | 98   | 669900               | 100.389 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 200.780%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.489         | 95   | 216502               | 99.895  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 199.780%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 159802               | 90.254  | ug/l   | 97       |
| 3) Chloromethane             | 2.119          | 50   | 182852               | 88.180  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.253          | 62   | 206035               | 92.402  | ug/l   | 98       |
| 5) Bromomethane              | 2.650          | 94   | 138329               | 94.399  | ug/l   | 100      |
| 6) Chloroethane              | 2.796          | 64   | 135097               | 94.952  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.131          | 101  | 303195               | 93.462  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.534          | 74   | 93506                | 96.442  | ug/l   | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 3.906          | 101  | 181027               | 92.650  | ug/l   | 94       |
| 10) Methyl Iodide            | 4.101          | 142  | 212792               | 100.838 | ug/l   | 96       |
| 11) Tert butyl alcohol       | 4.966          | 59   | 60047                | 463.984 | ug/l # | 80       |
| 12) 1,1-Dichloroethene       | 3.881          | 96   | 171595               | 93.907  | ug/l   | 90       |
| 13) Acrolein                 | 3.735          | 56   | 72152                | 462.220 | ug/l   | 100      |
| 14) Allyl chloride           | 4.491          | 41   | 251216               | 96.881  | ug/l # | 92       |
| 15) Acrylonitrile            | 5.174          | 53   | 186071               | 483.591 | ug/l   | 98       |
| 16) Acetone                  | 3.954          | 43   | 118644               | 434.004 | ug/l   | 90       |
| 17) Carbon Disulfide         | 4.204          | 76   | 517222               | 93.813  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.479          | 43   | 139996               | 96.376  | ug/l # | 91       |
| 19) Methyl tert-butyl Ether  | 5.229          | 73   | 433639               | 98.050  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.729          | 84   | 181826               | 97.456  | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 5.229          | 96   | 199252               | 94.706  | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.131          | 45   | 540611               | 96.739  | ug/l   | 88       |
| 23) Vinyl Acetate            | 6.070          | 43   | 1335962              | 493.375 | ug/l # | 93       |
| 24) 1,1-Dichloroethane       | 6.027          | 63   | 325497               | 94.414  | ug/l   | 97       |
| 25) 2-Butanone               | 6.990          | 43   | 224162               | 468.153 | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 6.997          | 77   | 302001               | 96.248  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.997          | 96   | 217835               | 96.074  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.344          | 49   | 120633               | 94.544  | ug/l   | 89       |
| 29) Tetrahydrofuran          | 7.356          | 42   | 157634               | 498.075 | ug/l   | 90       |
| 30) Chloroform               | 7.515          | 83   | 336916               | 93.887  | ug/l   | 95       |
| 31) Cyclohexane              | 7.795          | 56   | 296266               | 91.052  | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 7.716          | 97   | 313409               | 95.277  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.929          | 75   | 272135               | 95.241  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.082          | 43   | 110721               | 95.903  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 7.911          | 117  | 288257               | 97.203  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.197          | 83   | 347263               | 97.534  | ug/l   | 91       |
| 40) Benzene                  | 8.173          | 78   | 772300               | 96.203  | ug/l   | 99       |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
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 Supervised By :Mahesh Dadoda 11/09/2023

Quant Time: Nov 09 00:30:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:22:14 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.320  | 41   | 59968    | 103.017  | ug/l # | 91       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 200141   | 96.220   | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.283  | 43   | 221021   | 99.039   | ug/l # | 91       |
| 44) Trichloroethene           | 8.947  | 130  | 220831   | 95.715   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.228  | 63   | 185167   | 96.043   | ug/l   | 98       |
| 46) Dibromomethane            | 9.313  | 93   | 101253   | 96.915   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.508  | 83   | 257229   | 95.768   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.301  | 41   | 124970   | 101.325  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 9.307  | 88   | 22544    | 2032.516 | ug/l # | 65       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 555246   | 492.026  | ug/l   | 90       |
| 52) Toluene                   | 10.252 | 92   | 491665   | 96.888   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.472 | 75   | 258495   | 99.275   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 304573   | 97.934   | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 139217   | 96.679   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 141369   | 104.000  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.801 | 76   | 237539   | 96.773   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 492671   | 534.519  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.837 | 43   | 385072   | 458.748  | ug/l   | 88       |
| 60) Dibromochloromethane      | 10.996 | 129  | 176167   | 97.820   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 133693   | 97.451   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.728 | 164  | 214966   | 95.525   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.526 | 112  | 511047   | 95.440   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 191677   | 97.053   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.599 | 91   | 943805   | 98.076   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.709 | 106  | 711731   | 194.995  | ug/l   | 95       |
| 69) o-Xylene                  | 12.038 | 106  | 331813   | 97.912   | ug/l   | 97       |
| 70) Styrene                   | 12.050 | 104  | 483757   | 99.692   | ug/l   | 98       |
| 71) Bromoform                 | 12.215 | 173  | 101792   | 99.330   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.337 | 105  | 893959   | 98.557   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 190764   | 104.703  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 140532   | 96.553   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 116419m  | 101.553  | ug/l   |          |
| 77) Bromobenzene              | 12.617 | 156  | 200692   | 97.896   | ug/l   | 96       |
| 78) n-propylbenzene           | 12.678 | 91   | 1040917  | 97.106   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 570689   | 96.605   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105  | 718001   | 98.180   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 51231    | 103.489  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 588583   | 96.422   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.081 | 119  | 638066   | 99.056   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.130 | 105  | 706522   | 98.116   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.264 | 105  | 889694   | 96.680   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.380 | 119  | 772935   | 97.543   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 378074   | 95.860   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.453 | 146  | 368965   | 95.723   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.703 | 91   | 701340   | 95.839   | ug/l   | 96       |
| 90) Hexachloroethane          | 13.971 | 117  | 148021   | 96.837   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 325136   | 96.204   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 21989    | 94.956   | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 195509   | 99.107   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 104940   | 92.852   | ug/l   | 97       |
| 95) Naphthalene               | 15.245 | 128  | 368666   | 104.490  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.434 | 180  | 163886   | 100.441  | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Thu Nov 09 00:22:14 2023  
Response via : Initial Calibration

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

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

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