

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032224\  
 Data File : VY017739.D  
 Acq On : 22 Mar 2024 11:15  
 Operator : SY/MD  
 Sample : VSTDICCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/25/2024  
 Supervised By :Mahesh Dadoda 03/25/2024

Quant Time: Mar 23 03:43:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032224S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 23 03:33:45 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.813          | 168  | 158559              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.710          | 114  | 247847              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.502         | 117  | 214613              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.434         | 152  | 98427               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.161          | 65   | 69631               | 50.408  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 100.820% |         |        |          |
| 35) Dibromofluoromethane     | 7.740          | 113  | 76285               | 51.491  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 102.980% |         |        |          |
| 50) Toluene-d8               | 10.197         | 98   | 294120              | 51.872  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 103.740% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.495         | 95   | 88279               | 51.849  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 103.700% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.918          | 85   | 67162               | 49.064  | ug/l   | 98       |
| 3) Chloromethane             | 2.125          | 50   | 92455               | 52.137  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.266          | 62   | 113472              | 52.923  | ug/l   | 99       |
| 5) Bromomethane              | 2.668          | 94   | 82366               | 49.200  | ug/l   | 99       |
| 6) Chloroethane              | 2.814          | 64   | 73812               | 51.510  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.150          | 101  | 117941              | 52.189  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.552          | 74   | 39539               | 53.068  | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 3.930          | 101  | 84159               | 52.313  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.119          | 142  | 111218              | 56.555  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 4.979          | 59   | 21702               | 236.203 | ug/l # | 81       |
| 12) 1,1-Dichloroethene       | 3.899          | 96   | 81322               | 53.740  | ug/l   | 90       |
| 13) Acrolein                 | 3.753          | 56   | 30139               | 272.131 | ug/l   | 100      |
| 14) Allyl chloride           | 4.509          | 41   | 113271              | 55.233  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.192          | 53   | 83802               | 271.514 | ug/l   | 99       |
| 16) Acetone                  | 3.973          | 43   | 68638               | 284.087 | ug/l   | 91       |
| 17) Carbon Disulfide         | 4.223          | 76   | 268536              | 53.035  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.509          | 43   | 32845               | 53.994  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.253          | 73   | 181989              | 55.778  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.747          | 84   | 86996               | 49.510  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 5.253          | 96   | 93013               | 53.917  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.143          | 45   | 249221              | 55.814  | ug/l   | 92       |
| 23) Vinyl Acetate            | 6.088          | 43   | 740979              | 282.533 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.045          | 63   | 158970              | 54.165  | ug/l   | 97       |
| 25) 2-Butanone               | 7.009          | 43   | 103570              | 252.277 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.009          | 77   | 133791              | 53.630  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.009          | 96   | 106394              | 54.523  | ug/l   | 96       |
| 28) Bromochloromethane       | 7.356          | 49   | 58677               | 51.571  | ug/l   | 90       |
| 29) Tetrahydrofuran          | 7.368          | 42   | 66437               | 257.252 | ug/l   | 92       |
| 30) Chloroform               | 7.533          | 83   | 162068              | 53.267  | ug/l   | 99       |
| 31) Cyclohexane              | 7.807          | 56   | 142666              | 52.220  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.722          | 97   | 142280              | 53.695  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.941          | 75   | 123752              | 54.068  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.100          | 43   | 47829               | 54.382  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.923          | 117  | 130313              | 54.375  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.197          | 83   | 166044              | 56.514  | ug/l   | 97       |
| 40) Benzene                  | 8.179          | 78   | 376869              | 55.007  | ug/l   | 99       |

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 ALS Vial : 6 Sample Multiplier: 1

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 ClientSampleId :  
 VSTDICCC050

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Quant Time: Mar 23 03:43:08 2024  
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 Quant Title : SW846 8260  
 QLast Update : Sat Mar 23 03:33:45 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.332  | 41   | 24689    | 56.830   | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.252  | 62   | 88807    | 54.117   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.289  | 43   | 89016    | 51.142   | ug/l   | 96       |
| 44) Trichloroethene           | 8.960  | 130  | 94995    | 53.009   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.234  | 63   | 85327    | 54.660   | ug/l   | 96       |
| 46) Dibromomethane            | 9.319  | 93   | 47421    | 54.514   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.508  | 83   | 121831   | 54.773   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.307  | 41   | 41261    | 50.952   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 9413     | 1112.107 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 237859   | 254.263  | ug/l   | 97       |
| 52) Toluene                   | 10.258 | 92   | 232342   | 54.880   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.478 | 75   | 108124   | 55.584   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.941  | 75   | 132619   | 55.810   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 61105    | 54.911   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 80818    | 51.610   | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 10.801 | 76   | 105645   | 55.117   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.795  | 63   | 196114   | 249.572  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.843 | 43   | 166782   | 253.417  | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.996 | 129  | 80387    | 54.007   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.105 | 107  | 57075    | 54.631   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.734 | 164  | 107799   | 54.315   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.526 | 112  | 253934   | 54.967   | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.605 | 131  | 84776    | 54.952   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.605 | 91   | 450868   | 56.826   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.715 | 106  | 344230   | 111.841  | ug/l   | 98       |
| 69) o-Xylene                  | 12.044 | 106  | 159050   | 56.601   | ug/l   | 99       |
| 70) Styrene                   | 12.057 | 104  | 266652   | 57.016   | ug/l   | 100      |
| 71) Bromoform                 | 12.221 | 173  | 45193    | 55.623   | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.343 | 105  | 413916   | 55.692   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.154 | 43   | 77223    | 50.522   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 62275    | 54.419   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 47530m   | 50.954   | ug/l   |          |
| 77) Bromobenzene              | 12.617 | 156  | 93014    | 54.969   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.684 | 91   | 510048   | 56.691   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.770 | 91   | 276065   | 55.954   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.825 | 105  | 329403   | 56.617   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.392 | 75   | 21954    | 55.813   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.867 | 91   | 278986   | 55.112   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.087 | 119  | 300862   | 57.143   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.130 | 105  | 321022   | 56.283   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.264 | 105  | 446167   | 56.541   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.379 | 119  | 373529   | 57.010   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.379 | 146  | 184648   | 53.849   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.459 | 146  | 179353   | 54.485   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.709 | 91   | 334211   | 56.382   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.971 | 117  | 72801    | 54.487   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.751 | 146  | 155066   | 54.592   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 7923     | 52.460   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 78727    | 57.214   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 47692    | 53.996   | ug/l   | 99       |
| 95) Naphthalene               | 15.245 | 128  | 128293   | 50.399   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.434 | 180  | 64944    | 57.165   | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Sat Mar 23 03:33:45 2024  
Response via : Initial Calibration

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

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

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