

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092021\  
 Data File : VX024370.D  
 Acq On : 21 Sep 2021 00:19  
 Operator : JC/MD  
 Sample : VX0920WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0920WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 9/22/2021 7:40:28 PM

Quant Time: Sep 22 09:00:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 21 10:52:48 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.562  | 168   | 190994   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 259877   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.061 | 117   | 242381   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 146652   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 119474   | 43.868   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 87.740%  |
| 35) Dibromofluoromethane     | 5.397  | 113   | 104262   | 59.823   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 119.640% |
| 50) Toluene-d8               | 8.653  | 98    | 323545   | 50.959   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 101.920% |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 133065   | 53.854   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 107.700% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172  | 85    | 34359    | 18.714   | ug/l   | 98       |
| 3) Chloromethane             | 1.294  | 50    | 36863    | 19.227   | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374  | 62    | 35324    | 18.513   | ug/l   | 97       |
| 5) Bromomethane              | 1.605  | 94    | 23743    | 20.902   | ug/l   | 97       |
| 6) Chloroethane              | 1.691  | 64    | 20117    | 15.962   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.892  | 101   | 54025    | 16.879   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.142  | 74    | 18770    | 16.948   | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 37274    | 19.823   | ug/l   | 98       |
| 10) Methyl Iodide            | 2.459  | 142   | 45351    | 17.433   | ug/l   | 92       |
| 11) Tert butyl alcohol       | 2.977  | 59    | 61289    | 93.403   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.325  | 96    | 34319    | 19.488   | ug/l   | 90       |
| 13) Acrolein                 | 2.245  | 56    | 15184    | 84.589   | ug/l   | 96       |
| 14) Allyl chloride           | 2.666  | 41    | 63314    | 19.783   | ug/l   | 94       |
| 15) Acrylonitrile            | 3.075  | 53    | 116052   | 104.180  | ug/l   | 99       |
| 16) Acetone                  | 2.386  | 43    | 106229   | 91.475   | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.514  | 76    | 80676    | 18.280   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.715  | 43    | 74464    | 20.453   | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 3.123  | 73    | 132339   | 20.448   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.794  | 84    | 42935    | 19.253   | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 3.099  | 96    | 38530    | 19.985   | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.770  | 45    | 133559   | 21.247   | ug/l   | 91       |
| 23) Vinyl Acetate            | 3.733  | 43    | 527749   | 103.401  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.617  | 63    | 74759    | 20.268   | ug/l   | 98       |
| 25) 2-Butanone               | 4.568  | 43    | 169698   | 99.213   | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 4.483  | 77    | 48938    | 15.148   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.501  | 96    | 45744    | 20.545   | ug/l   | 100      |
| 28) Bromochloromethane       | 4.910  | 49    | 24283    | 16.157   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.019  | 42    | 110707   | 103.408  | ug/l   | 89       |
| 30) Chloroform               | 5.105  | 83    | 79849    | 20.357   | ug/l   | 99       |
| 31) Cyclohexane              | 5.483  | 56    | 61063    | 19.168   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.397  | 97    | 70652    | 20.126   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.702  | 75    | 56672    | 23.719   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.727  | 43    | 63199    | 22.700   | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 5.690  | 117   | 61382    | 22.825   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.391  | 83    | 53344    | 18.700   | ug/l   | 99       |
| 40) Benzene                  | 6.044  | 78    | 142108   | 20.737   | ug/l   | 99       |

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Quant Time: Sep 22 09:00:21 2021  
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 Quant Title : SW846 8260  
 QLast Update : Tue Sep 21 10:52:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 34803    | 23.441  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 62684    | 21.936  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 6.354  | 43   | 94468    | 21.316  | ug/l   | 94       |
| 44) Trichloroethene           | 7.129  | 130  | 38690    | 20.094  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 35874    | 19.834  | ug/l   | 97       |
| 46) Dibromomethane            | 7.586  | 93   | 26460    | 19.986  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.830  | 83   | 49498    | 20.106  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 42450    | 19.197  | ug/l   | 84       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 17400    | 375.804 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 287996   | 101.980 | ug/l   | 90       |
| 52) Toluene                   | 8.726  | 92   | 88836    | 19.779  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 51988    | 18.622  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 54509    | 18.867  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 37435    | 19.571  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 56677    | 18.629  | ug/l # | 79       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 61075    | 19.606  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.250  | 63   | 121561   | 87.816  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 224799   | 102.158 | ug/l   | 85       |
| 60) Dibromochloromethane      | 9.525  | 129  | 36564    | 18.000  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 39979    | 19.615  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.281  | 164  | 38777    | 20.651  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 99761    | 20.006  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 37438    | 20.258  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 173873   | 19.932  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 135403   | 40.544  | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 65814    | 19.742  | ug/l   | 98       |
| 70) Styrene                   | 10.659 | 104  | 108925   | 20.142  | ug/l   | 96       |
| 71) Bromoform                 | 10.805 | 173  | 26583    | 17.975  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.963 | 105  | 177206   | 16.226  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.848 | 43   | 75498    | 16.422  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 62657    | 17.735  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 58114m   | 17.234  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 47286    | 17.228  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 215231   | 17.446  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 133095   | 17.368  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 165268   | 17.953  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 15545    | 13.558  | ug/l # | 81       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 157720   | 18.089  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 171900   | 19.347  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 176758   | 19.520  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.896 | 105  | 217690   | 19.555  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 181603   | 19.435  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 97749    | 19.883  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 97479    | 19.425  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.335 | 91   | 156801   | 19.394  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 27059    | 17.974  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 96540    | 20.016  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 14727    | 18.169  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 57423    | 20.203  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 27269    | 19.213  | ug/l   | 98       |
| 95) Naphthalene               | 13.780 | 128  | 187887   | 18.753  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 57504    | 20.072  | ug/l   | 99       |

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| 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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