

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090321\  
 Data File : VX024113.D  
 Acq On : 03 Sep 2021 19:24  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 9/7/2021 4:38:03 PM

Quant Time: Sep 04 01:33:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.562  | 168   | 154141   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 246998   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 239373   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 122038   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 106006   | 49.275   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 98.540%  |
| 35) Dibromofluoromethane     | 5.397  | 113   | 80320    | 49.131   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 98.260%  |
| 50) Toluene-d8               | 8.653  | 98    | 288539   | 46.372   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 92.740%  |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 120734   | 52.709   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 105.420% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173  | 85    | 70846    | 43.563   | ug/l   | 100      |
| 3) Chloromethane             | 1.294  | 50    | 73662    | 41.261   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.380  | 62    | 77352    | 44.425   | ug/l   | 98       |
| 5) Bromomethane              | 1.599  | 94    | 48385    | 44.198   | ug/l   | 99       |
| 6) Chloroethane              | 1.679  | 64    | 51503    | 39.891   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 136599   | 49.679   | ug/l   | 100      |
| 8) Diethyl Ether             | 2.142  | 74    | 47764    | 49.743   | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 76263    | 49.290   | ug/l   | 95       |
| 10) Methyl Iodide            | 2.453  | 142   | 103954   | 48.253   | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.983  | 59    | 107507   | 247.106  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 72726    | 49.163   | ug/l   | 94       |
| 13) Acrolein                 | 2.245  | 56    | 71095    | 274.604  | ug/l   | 97       |
| 14) Allyl chloride           | 2.666  | 41    | 128321   | 47.070   | ug/l   | 88       |
| 15) Acrylonitrile            | 3.075  | 53    | 226845   | 234.013  | ug/l   | 96       |
| 16) Acetone                  | 2.392  | 43    | 209450   | 217.743  | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.514  | 76    | 156960   | 44.488   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.715  | 43    | 112272   | 46.755   | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 3.123  | 73    | 278849   | 54.161   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.794  | 84    | 85464    | 46.514   | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 3.099  | 96    | 77844    | 49.266   | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.776  | 45    | 276300   | 50.887   | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.733  | 43    | 1128890  | 257.013  | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 3.617  | 63    | 153483   | 50.791   | ug/l   | 98       |
| 25) 2-Butanone               | 4.568  | 43    | 336900   | 231.235  | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 4.489  | 77    | 123716   | 49.883   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.501  | 96    | 95716    | 50.909   | ug/l   | 97       |
| 28) Bromochloromethane       | 4.910  | 49    | 68259    | 49.679   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.019  | 42    | 220027   | 233.149  | ug/l   | 90       |
| 30) Chloroform               | 5.105  | 83    | 166395   | 52.004   | ug/l   | 100      |
| 31) Cyclohexane              | 5.477  | 56    | 129348   | 46.799   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 5.397  | 97    | 150236   | 54.835   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.702  | 75    | 116748   | 51.040   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.727  | 43    | 132658   | 47.181   | ug/l   | 94       |
| 38) Carbon Tetrachloride     | 5.684  | 117   | 131906   | 55.301   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.385  | 83    | 137067   | 49.215   | ug/l   | 97       |
| 40) Benzene                  | 6.050  | 78    | 338435   | 50.037   | ug/l   | 99       |

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 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 73259    | 48.063  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 143420   | 53.952  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 6.354  | 43   | 221524   | 50.369  | ug/l   | 93       |
| 44) Trichloroethene           | 7.135  | 130  | 94137    | 50.383  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.440  | 63   | 89739    | 49.965  | ug/l   | 96       |
| 46) Dibromomethane            | 7.586  | 93   | 64954    | 51.968  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.830  | 83   | 123517   | 54.627  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 108583   | 50.610  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 42206    | 930.802 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 722384   | 254.096 | ug/l   | 91       |
| 52) Toluene                   | 8.726  | 92   | 225037   | 51.345  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 140252   | 48.106  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 144601   | 52.778  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 94524    | 52.385  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 153687   | 49.850  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 155900   | 52.093  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.251  | 63   | 358813   | 246.952 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 569458   | 260.584 | ug/l   | 87       |
| 60) Dibromochloromethane      | 9.525  | 129  | 99474    | 49.919  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 101435   | 53.213  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.281  | 164  | 92499    | 48.381  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.086 | 112  | 253738   | 50.798  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 96179    | 54.099  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 455247   | 52.191  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 352901   | 106.219 | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 175580   | 53.778  | ug/l   | 98       |
| 70) Styrene                   | 10.659 | 104  | 293734   | 55.224  | ug/l   | 96       |
| 71) Bromoform                 | 10.805 | 173  | 74749    | 51.676  | ug/l   | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 467819   | 50.257  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 210473   | 50.033  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 148863   | 48.797  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 137427m  | 48.274  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 117547   | 51.271  | ug/l   | 95       |
| 78) n-propylbenzene           | 11.305 | 91   | 540379   | 50.756  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 329299   | 51.173  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 401062   | 52.429  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 46927    | 48.488  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 375281   | 51.379  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.719 | 119  | 394280   | 53.070  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 400157   | 52.464  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 501360   | 53.302  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 419889   | 54.239  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 212229   | 51.165  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 210862   | 50.970  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 368282   | 53.281  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 66227    | 49.105  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 204754   | 50.953  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 33175    | 46.537  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 130186   | 53.829  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 57608    | 53.441  | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 445834   | 49.947  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 132586   | 55.045  | 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

