

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081721\  
 Data File : VX023760.D  
 Acq On : 17 Aug 2021 12:16  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX081721

Manual Integrations  
 APPROVED

MMDadoda  
 8/19/2021 5:56:02 PM

Quant Time: Aug 17 14:11:30 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   | 227571   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 357197   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 335955   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 165107   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 136020   | 42.825   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 85.660%  |
| 35) Dibromofluoromethane     | 5.397  | 113   | 103630   | 43.833   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 87.660%  |
| 50) Toluene-d8               | 8.653  | 98    | 394078   | 43.795   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 87.580%# |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 152431   | 46.017   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 92.040%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173  | 85    | 124610   | 51.899   | ug/l   | 100      |
| 3) Chloromethane             | 1.295  | 50    | 129966   | 49.309   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374  | 62    | 128399   | 49.948   | ug/l   | 99       |
| 5) Bromomethane              | 1.599  | 94    | 82483    | 51.034   | ug/l   | 100      |
| 6) Chloroethane              | 1.679  | 64    | 80204    | 42.244   | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 211522   | 52.105   | ug/l   | 95       |
| 8) Diethyl Ether             | 2.136  | 74    | 71900    | 50.718   | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 118613   | 51.925   | ug/l   | 96       |
| 10) Methyl Iodide            | 2.453  | 142   | 148423   | 46.664   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.983  | 59    | 162778   | 253.422  | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 110920   | 50.787   | ug/l   | 94       |
| 13) Acrolein                 | 2.239  | 56    | 89156    | 233.249  | ug/l   | 97       |
| 14) Allyl chloride           | 2.666  | 41    | 204005   | 50.686   | ug/l   | 90       |
| 15) Acrylonitrile            | 3.075  | 53    | 356772   | 249.289  | ug/l   | 98       |
| 16) Acetone                  | 2.386  | 43    | 384659   | 270.858  | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.514  | 76    | 274677   | 52.732   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.709  | 43    | 174227   | 49.144   | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 3.123  | 73    | 391478   | 51.502   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.794  | 84    | 126870   | 46.769   | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 3.099  | 96    | 118501   | 50.798   | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.770  | 45    | 406275   | 50.681   | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.733  | 43    | 1688157  | 260.326  | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 3.617  | 63    | 223213   | 50.032   | ug/l   | 98       |
| 25) 2-Butanone               | 4.568  | 43    | 564287   | 262.334  | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 4.483  | 77    | 196339   | 53.620   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 137721   | 49.615   | ug/l   | 95       |
| 28) Bromochloromethane       | 4.910  | 49    | 107118   | 52.806   | ug/l   | 92       |
| 29) Tetrahydrofuran          | 5.019  | 42    | 350056   | 251.244  | ug/l   | 89       |
| 30) Chloroform               | 5.105  | 83    | 230297   | 48.752   | ug/l   | 100      |
| 31) Cyclohexane              | 5.483  | 56    | 210536   | 51.595   | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.391  | 97    | 206619   | 51.081   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.696  | 75    | 175129   | 52.942   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.727  | 43    | 203722   | 50.102   | ug/l   | 94       |
| 38) Carbon Tetrachloride     | 5.684  | 117   | 182660   | 52.954   | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.385  | 83    | 223885   | 55.587   | ug/l   | 96       |
| 40) Benzene                  | 6.044  | 78    | 498036   | 50.917   | ug/l   | 100      |

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|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 110986   | 50.350   | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 197734   | 51.436   | ug/l   | 94       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 328347   | 51.625   | ug/l   | 92       |
| 44) Trichloroethene           | 7.129  | 130  | 137508   | 50.891   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.440  | 63   | 130666   | 50.307   | ug/l   | 96       |
| 46) Dibromomethane            | 7.586  | 93   | 92350    | 51.092   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.824  | 83   | 170888   | 52.261   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 161493   | 52.049   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 68380    | 1042.792 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 1089897  | 265.094  | ug/l   | 90       |
| 52) Toluene                   | 8.720  | 92   | 327103   | 51.608   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 204360   | 48.454   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.373  | 75   | 212721   | 53.688   | ug/l # | 91       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 132736   | 50.868   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 218903   | 49.109   | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 220711   | 50.997   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.251  | 63   | 527058   | 250.835  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 875712   | 277.098  | ug/l   | 87       |
| 60) Dibromochloromethane      | 9.525  | 129  | 136288   | 47.382   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 144414   | 52.387   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 135608   | 50.538   | ug/l   | 94       |
| 65) Chlorobenzene             | 10.086 | 112  | 359160   | 51.232   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 131655   | 52.765   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 652469   | 53.297   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 508096   | 108.965  | ug/l   | 100      |
| 69) o-Xylene                  | 10.646 | 106  | 246340   | 53.759   | ug/l   | 100      |
| 70) Styrene                   | 10.659 | 104  | 414334   | 55.503   | ug/l   | 98       |
| 71) Bromoform                 | 10.805 | 173  | 100381   | 49.529   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.964 | 105  | 658090   | 52.256   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 296650   | 52.124   | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 203314   | 49.261   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 193898m  | 50.343   | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 161104   | 51.939   | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 763348   | 52.995   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 463085   | 53.192   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 558409   | 53.957   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 69811    | 53.317   | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 535341   | 54.174   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 541310   | 53.854   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 555252   | 53.809   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 704516   | 55.362   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 588719   | 56.211   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.976 | 146  | 295411   | 52.641   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 290310   | 51.869   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 526581   | 56.310   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 93351    | 51.099   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.341 | 146  | 276879   | 50.928   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 46719    | 48.352   | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 176698   | 54.002   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 77096    | 52.864   | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 597927   | 49.524   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 177287   | 54.403   | 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

