

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022421\  
 Data File : VX020901.D  
 Acq On : 24 Feb 2021 15:29  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX022421

Manual Integrations  
 APPROVED

MMDadoda  
 2/25/2021 1:08:55 PM

Quant Time: Feb 24 18:01:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.629  | 168   | 195333   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.823  | 114   | 344433   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.094 | 117   | 305527   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.065 | 152   | 136665   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.029  | 65    | 124453   | 47.17    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 94.34%   |
| 35) Dibromofluoromethane     | 5.464  | 113   | 103200   | 49.31    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 98.62%   |
| 50) Toluene-d8               | 8.694  | 98    | 395313   | 48.45    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 96.90%   |
| 62) 4-Bromofluorobenzene     | 11.118 | 95    | 146604   | 48.59    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 97.18%   |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.187  | 85    | 104150   | 49.31    | ug/l   | 98       |
| 3) Chloromethane             | 1.311  | 50    | 111376   | 47.46    | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.393  | 62    | 133485   | 49.41    | ug/l   | 100      |
| 5) Bromomethane              | 1.623  | 94    | 45290    | 50.23    | ug/l   | 97       |
| 6) Chloroethane              | 1.705  | 64    | 84213    | 49.82    | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.911  | 101   | 169073   | 49.57    | ug/l   | 100      |
| 8) Diethyl Ether             | 2.170  | 74    | 77606    | 49.04    | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.364  | 101   | 109185   | 51.97    | ug/l   | 98       |
| 10) Methyl Iodide            | 2.487  | 142   | 143868   | 50.96    | ug/l   | 95       |
| 11) Tert butyl alcohol       | 3.017  | 59    | 139655   | 237.69   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.352  | 96    | 110399   | 50.49    | ug/l   | 98       |
| 13) Acrolein                 | 2.270  | 56    | 78020    | 214.45   | ug/l   | 98       |
| 14) Allyl chloride           | 2.705  | 41    | 180547   | 50.54    | ug/l   | 98       |
| 15) Acrylonitrile            | 3.117  | 53    | 310617   | 247.76   | ug/l   | 99       |
| 16) Acetone                  | 2.423  | 43    | 324630   | 298.60   | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.546  | 76    | 318646   | 51.15    | ug/l   | 99       |
| 18) Methyl Acetate           | 2.746  | 43    | 124193   | 48.30    | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.164  | 73    | 395902   | 50.69    | ug/l   | 99       |
| 20) Methylene Chloride       | 2.834  | 84    | 127081   | 48.73    | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.140  | 96    | 124018   | 50.50    | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.829  | 45    | 362951   | 50.52    | ug/l # | 88       |
| 23) Vinyl Acetate            | 3.782  | 43    | 1567331  | 255.14   | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.670  | 63    | 213152   | 50.38    | ug/l   | 99       |
| 25) 2-Butanone               | 4.635  | 43    | 441207   | 267.15   | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.546  | 77    | 198985   | 51.79    | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.564  | 96    | 141722   | 50.09    | ug/l   | 98       |
| 28) Bromochloromethane       | 4.982  | 49    | 85961    | 47.49    | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.088  | 42    | 257190   | 242.62   | ug/l   | 99       |
| 30) Chloroform               | 5.176  | 83    | 217889   | 51.12    | ug/l   | 98       |
| 31) Cyclohexane              | 5.547  | 56    | 197379   | 51.67    | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.458  | 97    | 188753   | 50.84    | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.770  | 75    | 168243   | 51.39    | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.794  | 43    | 159826   | 51.32    | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.752  | 117   | 162431   | 51.21    | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.441  | 83    | 218823   | 53.31    | ug/l   | 98       |
| 40) Benzene                  | 6.111  | 78    | 508601   | 51.83    | ug/l   | 99       |

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 ALS Vial : 9 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 41) Methacrylonitrile         | 4.999  | 41   | 87230    | 49.80  | ug/l  | 99       |
| 42) 1,2-Dichloroethane        | 6.158  | 62   | 169047   | 51.81  | ug/l  | 99       |
| 43) Isopropyl Acetate         | 6.411  | 43   | 270387   | 51.04  | ug/l  | 100      |
| 44) Trichloroethene           | 7.188  | 130  | 135533   | 52.53  | ug/l  | 99       |
| 45) 1,2-Dichloropropane       | 7.488  | 63   | 126602   | 51.48  | ug/l  | 98       |
| 46) Dibromomethane            | 7.635  | 93   | 86384    | 52.16  | ug/l  | 97       |
| 47) Bromodichloromethane      | 7.876  | 83   | 178407   | 51.73  | ug/l  | 100      |
| 48) Methyl methacrylate       | 7.741  | 41   | 135384   | 50.94  | ug/l  | 98       |
| 49) 1,4-Dioxane               | 7.712  | 88   | 61822    | 996.57 | ug/l  | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.618  | 43   | 768607   | 249.17 | ug/l  | 100      |
| 52) Toluene                   | 8.765  | 92   | 317812   | 52.00  | ug/l  | 99       |
| 53) t-1,3-Dichloropropene     | 9.018  | 75   | 205220   | 53.06  | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene   | 8.412  | 75   | 222011   | 52.40  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane     | 9.194  | 97   | 123926   | 51.32  | ug/l  | 98       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 200334   | 51.25  | ug/l  | 98       |
| 57) 1,3-Dichloropropane       | 9.353  | 76   | 213527   | 51.55  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.288  | 63   | 489621   | 256.16 | ug/l  | 96       |
| 59) 2-Hexanone                | 9.471  | 43   | 596404   | 257.69 | ug/l  | 100      |
| 60) Dibromochloromethane      | 9.565  | 129  | 133988   | 52.58  | ug/l  | 99       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 132884   | 52.49  | ug/l  | 98       |
| 64) Tetrachloroethene         | 9.318  | 164  | 110858   | 50.27  | ug/l  | 98       |
| 65) Chlorobenzene             | 10.118 | 112  | 325753   | 50.64  | ug/l  | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.206 | 131  | 120053   | 50.59  | ug/l  | 98       |
| 67) Ethyl Benzene             | 10.235 | 91   | 593808   | 50.90  | ug/l  | 100      |
| 68) m/p-Xylenes               | 10.341 | 106  | 441186   | 102.77 | ug/l  | 100      |
| 69) o-Xylene                  | 10.683 | 106  | 213100   | 50.86  | ug/l  | 97       |
| 70) Styrene                   | 10.694 | 104  | 366529   | 50.99  | ug/l  | 98       |
| 71) Bromoform                 | 10.841 | 173  | 95252    | 51.94  | ug/l  | 100      |
| 73) Isopropylbenzene          | 11.000 | 105  | 572630   | 53.05  | ug/l  | 98       |
| 74) N-amyl acetate            | 10.877 | 43   | 222670   | 50.94  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.253 | 83   | 173222   | 49.78  | ug/l  | 98       |
| 76) 1,2,3-Trichloropropane    | 11.277 | 75   | 172465m  | 58.66  | ug/l  |          |
| 77) Bromobenzene              | 11.236 | 156  | 128641   | 51.21  | ug/l  | 95       |
| 78) n-propylbenzene           | 11.341 | 91   | 655207   | 53.23  | ug/l  | 99       |
| 79) 2-Chlorotoluene           | 11.406 | 91   | 381635   | 51.17  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.489 | 105  | 473601   | 52.72  | ug/l  | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.059 | 75   | 66737    | 50.26  | ug/l  | 94       |
| 82) 4-Chlorotoluene           | 11.494 | 91   | 447923   | 52.10  | ug/l  | 100      |
| 83) tert-Butylbenzene         | 11.753 | 119  | 443421   | 50.74  | ug/l  | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.789 | 105  | 481678   | 52.83  | ug/l  | 96       |
| 85) sec-Butylbenzene          | 11.930 | 105  | 540872   | 52.52  | ug/l  | 99       |
| 86) p-Isopropyltoluene        | 12.047 | 119  | 501444   | 53.13  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 235574   | 52.40  | ug/l  | 98       |
| 88) 1,4-Dichlorobenzene       | 12.083 | 146  | 235069   | 51.32  | ug/l  | 96       |
| 89) n-Butylbenzene            | 12.371 | 91   | 457559   | 54.30  | ug/l  | 98       |
| 90) Hexachloroethane          | 12.577 | 117  | 95915    | 53.23  | ug/l  | 89       |
| 91) 1,2-Dichlorobenzene       | 12.377 | 146  | 231416   | 52.73  | ug/l  | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.983 | 75   | 38766    | 48.65  | ug/l  | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.630 | 180  | 151138   | 53.68  | ug/l  | 97       |
| 94) Hexachlorobutadiene       | 13.759 | 225  | 55652    | 49.35  | ug/l  | 91       |
| 95) Naphthalene               | 13.812 | 128  | 547954   | 54.68  | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.001 | 180  | 151564   | 54.22  | ug/l  | 95       |

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2/25/2021 1:08:55 PM

Quant Time: Feb 24 18:01:05 2021  
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QLast Update : Wed Feb 24 13:50:55 2021  
Response via : Initial Calibration

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

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

