

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081821\  
 Data File : VX023829.D  
 Acq On : 18 Aug 2021 20:09  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 8/19/2021 5:29:13 PM

Quant Time: Aug 19 04:22:23 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  | 190159     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 304338     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 293438     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 143034     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 130655     | 49.229   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 98.460%  |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 100348     | 49.817   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 99.640%  |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 379373     | 49.483   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 98.960%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 146933     | 52.061   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 104.120% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 104061     | 51.867   | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 111727     | 50.728   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 110720     | 51.545   | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 68889      | 51.009   | ug/l   | 96       |
| 6) Chloroethane              | 1.678          | 64   | 70835      | 44.870   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 177871     | 52.436   | ug/l   | 96       |
| 8) Diethyl Ether             | 2.136          | 74   | 63647      | 53.729   | ug/l   | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 98769      | 51.745   | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 144545     | 54.386   | ug/l   | 96       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 145393     | 270.889  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 95452      | 52.304   | ug/l   | 96       |
| 13) Acrolein                 | 2.239          | 56   | 75768      | 237.222  | ug/l   | 97       |
| 14) Allyl chloride           | 2.666          | 41   | 172224     | 51.208   | ug/l   | 91       |
| 15) Acrylonitrile            | 3.075          | 53   | 318646     | 266.453  | ug/l   | 98       |
| 16) Acetone                  | 2.392          | 43   | 291678     | 245.793  | ug/l   | 92       |
| 17) Carbon Disulfide         | 2.514          | 76   | 218624     | 50.229   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.709          | 43   | 157862     | 53.288   | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 339605     | 53.468   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.794          | 84   | 112434     | 49.602   | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 101209     | 51.921   | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.776          | 45   | 352204     | 52.580   | ug/l   | 93       |
| 23) Vinyl Acetate            | 3.733          | 43   | 1457057    | 268.895  | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 195624     | 52.475   | ug/l   | 98       |
| 25) 2-Butanone               | 4.568          | 43   | 478419     | 266.172  | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 138551     | 45.283   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 119261     | 51.417   | ug/l   | 96       |
| 28) Bromochloromethane       | 4.910          | 49   | 86875      | 51.252   | ug/l   | 93       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 312635     | 268.532  | ug/l   | 88       |
| 30) Chloroform               | 5.105          | 83   | 202824     | 51.383   | ug/l   | 98       |
| 31) Cyclohexane              | 5.477          | 56   | 176118     | 51.652   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 178101     | 52.693   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 148985     | 52.862   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.733          | 43   | 183593     | 52.994   | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 153920     | 52.373   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.391          | 83   | 180602     | 52.628   | ug/l   | 98       |
| 40) Benzene                  | 6.044          | 78   | 435119     | 52.211   | ug/l   | 100      |

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 ALS Vial : 27 Sample Multiplier: 1

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Quant Time: Aug 19 04:22:23 2021  
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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         | 4.928  | 41   | 100285   | 53.397   | ug/l   | 90       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 172337   | 52.616   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 6.354  | 43   | 289484   | 53.420   | ug/l   | 92       |
| 44) Trichloroethene           | 7.129  | 130  | 119315   | 51.827   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 7.440  | 63   | 116256   | 52.533   | ug/l   | 99       |
| 46) Dibromomethane            | 7.586  | 93   | 81210    | 52.733   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.830  | 83   | 147793   | 53.048   | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.702  | 41   | 144802   | 54.776   | ug/l   | 86       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 61456    | 1099.980 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 980782   | 279.988  | ug/l   | 90       |
| 52) Toluene                   | 8.720  | 92   | 283609   | 52.518   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 169268   | 47.164   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 177868   | 52.689   | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 118600   | 53.345   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 191287   | 50.348   | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 196950   | 53.410   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.250  | 63   | 455541   | 254.454  | ug/l   | 96       |
| 59) 2-Hexanone                | 9.433  | 43   | 769243   | 285.685  | ug/l   | 87       |
| 60) Dibromochloromethane      | 9.525  | 129  | 117570   | 47.953   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 127428   | 54.254   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 118320   | 50.484   | ug/l   | 94       |
| 65) Chlorobenzene             | 10.085 | 112  | 317120   | 51.790   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 116397   | 53.409   | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.195 | 91   | 562934   | 52.646   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 437415   | 107.399  | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 213808   | 53.421   | ug/l   | 100      |
| 70) Styrene                   | 10.659 | 104  | 359188   | 55.087   | ug/l   | 98       |
| 71) Bromoform                 | 10.805 | 173  | 86671    | 48.983   | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 565074   | 51.794   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 264973   | 53.743   | ug/l   | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 182277   | 50.980   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 170061m  | 50.968   | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 139777   | 52.018   | ug/l   | 96       |
| 78) n-propylbenzene           | 11.311 | 91   | 652808   | 52.315   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 394703   | 52.333   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 476198   | 53.114   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 57626    | 50.803   | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 452492   | 52.856   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.719 | 119  | 465159   | 53.420   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 481187   | 53.827   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 600584   | 54.478   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 492514   | 54.282   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 255040   | 52.460   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 252436   | 52.062   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 430199   | 53.102   | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 77431    | 48.988   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.341 | 146  | 242325   | 51.450   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 39265    | 46.973   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 147650   | 52.088   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 64330    | 50.917   | ug/l   | 100      |
| 95) Naphthalene               | 13.780 | 128  | 523771   | 50.062   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 149703   | 53.028   | ug/l   | 99       |

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Instrument :  
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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

