

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031021\  
 Data File : VX021125.D  
 Acq On : 10 Mar 2021 10:24  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/11/2021 3:35:06 PM

Quant Time: Mar 11 02:08:20 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        | 5.623          | 168  | 199442             | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.829          | 114  | 336697             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.094         | 117  | 308465             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.059         | 152  | 156122             | 50.00  | ug/l   | 0.00     |
|                              |                |      |                    |        |        |          |
| System Monitoring Compounds  |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.023          | 65   | 126919             | 47.11  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 94.22%  |        |        |          |
| 35) Dibromofluoromethane     | 5.458          | 113  | 104261             | 50.97  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 101.94% |        |        |          |
| 50) Toluene-d8               | 8.694          | 98   | 405244             | 50.81  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 101.62% |        |        |          |
| 62) 4-Bromofluorobenzene     | 11.118         | 95   | 152553             | 51.72  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 103.44% |        |        |          |
|                              |                |      |                    |        |        |          |
| Target Compounds             |                |      |                    |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.187          | 85   | 94397              | 43.77  | ug/l   | 97       |
| 3) Chloromethane             | 1.311          | 50   | 111676             | 46.61  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.393          | 62   | 129652             | 47.00  | ug/l   | 100      |
| 5) Bromomethane              | 1.623          | 94   | 46157              | 50.12  | ug/l   | 97       |
| 6) Chloroethane              | 1.705          | 64   | 85155              | 49.34  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.911          | 101  | 171732             | 49.31  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.170          | 74   | 79536              | 49.23  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.364          | 101  | 102624             | 47.84  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.487          | 142  | 140153             | 48.62  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 3.017          | 59   | 118064             | 196.80 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.352          | 96   | 103482             | 46.35  | ug/l   | 98       |
| 13) Acrolein                 | 2.270          | 56   | 89335              | 240.49 | ug/l   | 99       |
| 14) Allyl chloride           | 2.705          | 41   | 166091             | 45.53  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.111          | 53   | 299069             | 233.64 | ug/l   | 99       |
| 16) Acetone                  | 2.417          | 43   | 258498             | 232.87 | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.546          | 76   | 275404             | 43.30  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.746          | 43   | 124224             | 47.31  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.164          | 73   | 383701             | 48.12  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.834          | 84   | 128169             | 48.13  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.140          | 96   | 115246             | 45.96  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.817          | 45   | 356804             | 48.65  | ug/l   | 98       |
| 23) Vinyl Acetate            | 3.782          | 43   | 1475899            | 235.31 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.664          | 63   | 212521             | 49.19  | ug/l   | 99       |
| 25) 2-Butanone               | 4.629          | 43   | 390641             | 231.66 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.546          | 77   | 175853             | 44.82  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.558          | 96   | 138952             | 48.10  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.976          | 49   | 91633              | 49.58  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.082          | 42   | 240438             | 222.14 | ug/l   | 99       |
| 30) Chloroform               | 5.176          | 83   | 215832             | 49.59  | ug/l   | 100      |
| 31) Cyclohexane              | 5.547          | 56   | 179608             | 46.05  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.458          | 97   | 180440             | 47.60  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.764          | 75   | 162818             | 50.87  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.788          | 43   | 146395             | 48.08  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.747          | 117  | 153688             | 49.57  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.435          | 83   | 198555             | 49.48  | ug/l   | 98       |
| 40) Benzene                  | 6.111          | 78   | 489388             | 51.02  | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/11/2021 3:35:06 PM

Quant Time: Mar 11 02:08:20 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) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.994  | 41   | 83024    | 48.48  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.158  | 62   | 170831   | 53.56  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.405  | 43   | 247356   | 47.77  | ug/l   | 100      |
| 44) Trichloroethene           | 7.182  | 130  | 135045   | 53.54  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.488  | 63   | 128077   | 53.28  | ug/l   | 97       |
| 46) Dibromomethane            | 7.635  | 93   | 86475    | 53.42  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.870  | 83   | 178846   | 53.04  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.741  | 41   | 130387   | 50.19  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.712  | 88   | 60009    | 989.57 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.618  | 43   | 764396   | 253.50 | ug/l   | 100      |
| 52) Toluene                   | 8.765  | 92   | 320529   | 53.65  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 9.018  | 75   | 199474   | 52.76  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.412  | 75   | 216842   | 52.35  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.194  | 97   | 130685   | 55.36  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 194942   | 51.02  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.353  | 76   | 218919   | 54.06  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.288  | 63   | 505135   | 270.35 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.471  | 43   | 571966   | 252.81 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.559  | 129  | 142658   | 57.27  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 135854   | 54.90  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.318  | 164  | 130847   | 58.77  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.118 | 112  | 346573   | 53.37  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.200 | 131  | 121643   | 50.77  | ug/l   | 95       |
| 67) Ethyl Benzene             | 10.235 | 91   | 606889   | 51.52  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.341 | 106  | 466233   | 107.57 | ug/l   | 98       |
| 69) o-Xylene                  | 10.682 | 106  | 226787   | 53.61  | ug/l   | 97       |
| 70) Styrene                   | 10.694 | 104  | 393265   | 54.19  | ug/l   | 99       |
| 71) Bromoform                 | 10.841 | 173  | 100392   | 54.23  | ug/l # | 100      |
| 73) Isopropylbenzene          | 11.000 | 105  | 593427   | 48.13  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.883 | 43   | 216457   | 43.35  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.253 | 83   | 184780   | 46.48  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.277 | 75   | 158751m  | 47.27  | ug/l   |          |
| 77) Bromobenzene              | 11.241 | 156  | 145974   | 50.87  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.341 | 91   | 695479   | 49.46  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.406 | 91   | 405009   | 47.53  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.489 | 105  | 510012   | 49.70  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.059 | 75   | 64409    | 42.46  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.494 | 91   | 477816   | 48.65  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.753 | 119  | 470871   | 47.17  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.789 | 105  | 506317   | 48.61  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.930 | 105  | 582723   | 49.54  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.047 | 119  | 553401   | 51.33  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 268669   | 52.31  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.083 | 146  | 271728   | 51.93  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.371 | 91   | 476050   | 49.46  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.583 | 117  | 95064    | 46.18  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 12.377 | 146  | 255814   | 51.02  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.983 | 75   | 39756    | 43.68  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.630 | 180  | 175090   | 54.44  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.765 | 225  | 67106    | 52.10  | ug/l   | 97       |
| 95) Naphthalene               | 13.818 | 128  | 557572   | 48.70  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.001 | 180  | 166638   | 52.18  | ug/l   | 99       |

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ClientSampleId :  
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MMDadoda  
3/11/2021 3:35:06 PM

Quant Time: Mar 11 02:08:20 2021  
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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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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