

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012621\  
 Data File : VX020767.D  
 Acq On : 26 Jan 2021 20:35  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/27/2021 12:49:27 PM

Quant Time: Jan 27 01:00:39 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:38:15 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|--------|--------|----------|
| -----                        |                |      |            |        |        |          |
| Internal Standards           |                |      |            |        |        |          |
| 1) Pentafluorobenzene        | 5.629          | 168  | 377362     | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.830          | 114  | 627440     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.092         | 117  | 587064     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.061         | 152  | 279454     | 50.00  | ug/l   | 0.00     |
|                              |                |      |            |        |        |          |
| System Monitoring Compounds  |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.025          | 65   | 240341     | 46.69  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 93.38% |        |          |
| 35) Dibromofluoromethane     | 5.464          | 113  | 202077     | 47.02  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 94.04% |        |          |
| 50) Toluene-d8               | 8.696          | 98   | 756793     | 48.03  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 96.06% |        |          |
| 62) 4-Bromofluorobenzene     | 11.122         | 95   | 289487     | 47.31  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 94.62% |        |          |
|                              |                |      |            |        |        |          |
| Target Compounds             |                |      |            |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.185          | 85   | 267417     | 44.95  | ug/l   | 100      |
| 3) Chloromethane             | 1.313          | 50   | 264081     | 49.75  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.392          | 62   | 263117     | 49.72  | ug/l   | 100      |
| 5) Bromomethane              | 1.624          | 94   | 110033     | 43.28  | ug/l   | 98       |
| 6) Chloroethane              | 1.703          | 64   | 152844     | 51.02  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.910          | 101  | 346562     | 48.27  | ug/l   | 95       |
| 8) Diethyl Ether             | 2.166          | 74   | 132494     | 51.43  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.361          | 101  | 172373     | 47.03  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.489          | 142  | 257872     | 50.17  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 3.020          | 59   | 243573     | 253.49 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.355          | 96   | 177739     | 49.05  | ug/l   | 96       |
| 13) Acrolein                 | 2.270          | 56   | 194001     | 267.70 | ug/l   | 99       |
| 14) Allyl chloride           | 2.703          | 41   | 338283     | 50.12  | ug/l   | 94       |
| 15) Acrylonitrile            | 3.117          | 53   | 626748     | 257.70 | ug/l   | 99       |
| 16) Acetone                  | 2.422          | 43   | 474203     | 242.99 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.550          | 76   | 532086     | 45.63  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.752          | 43   | 262082     | 52.56  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.166          | 73   | 726125     | 53.56  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.831          | 84   | 238963     | 48.52  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.142          | 96   | 220114     | 48.62  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.825          | 45   | 694413     | 52.35  | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.782          | 43   | 2919843    | 267.54 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.666          | 63   | 404736     | 50.48  | ug/l   | 99       |
| 25) 2-Butanone               | 4.635          | 43   | 791912     | 259.08 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.550          | 77   | 298722     | 46.42  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.562          | 96   | 255832     | 51.53  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.977          | 49   | 156675     | 45.59  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.087          | 42   | 520665     | 264.48 | ug/l   | 96       |
| 30) Chloroform               | 5.178          | 83   | 408945     | 49.61  | ug/l   | 100      |
| 31) Cyclohexane              | 5.550          | 56   | 348640     | 50.37  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.464          | 97   | 362029     | 49.90  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.763          | 75   | 300950     | 47.80  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.794          | 43   | 310024     | 51.93  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.757          | 117  | 313922     | 47.41  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.440          | 83   | 350126     | 48.79  | ug/l   | 98       |
| 40) Benzene                  | 6.111          | 78   | 916711     | 49.43  | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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MMDadoda  
 1/27/2021 12:49:27 PM

Quant Time: Jan 27 01:00:39 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:38:15 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 5.001  | 41   | 171359   | 51.28  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.159  | 62   | 317941   | 48.07  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.409  | 43   | 498946   | 52.42  | ug/l   | 99       |
| 44) Trichloroethene           | 7.184  | 130  | 240369   | 48.71  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.489  | 63   | 243472   | 50.37  | ug/l   | 99       |
| 46) Dibromomethane            | 7.635  | 93   | 159576   | 49.18  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.873  | 83   | 330619   | 48.23  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.745  | 41   | 254273   | 52.88  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.714  | 88   | 108832   | 964.92 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.616  | 43   | 1580824  | 263.19 | ug/l   | 100      |
| 52) Toluene                   | 8.763  | 92   | 576227   | 49.41  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 9.019  | 75   | 359844   | 49.89  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.415  | 75   | 394554   | 50.73  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.196  | 97   | 244329   | 50.46  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 373285   | 48.27  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.354  | 76   | 409217   | 50.38  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.287  | 63   | 881286   | 263.05 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.470  | 43   | 1176308  | 263.06 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.561  | 129  | 261242   | 48.80  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 252670   | 50.42  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.317  | 164  | 227421   | 50.53  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.122 | 112  | 626990   | 49.37  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.201 | 131  | 238620   | 50.61  | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.232 | 91   | 1130973  | 51.36  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.342 | 106  | 843224   | 102.68 | ug/l   | 99       |
| 69) o-Xylene                  | 10.683 | 106  | 408037   | 52.83  | ug/l   | 99       |
| 70) Styrene                   | 10.695 | 104  | 699317   | 52.73  | ug/l   | 100      |
| 71) Bromoform                 | 10.842 | 173  | 192247   | 50.79  | ug/l # | 100      |
| 73) Isopropylbenzene          | 11.000 | 105  | 1107072  | 54.81  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.878 | 43   | 426566   | 50.17  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.250 | 83   | 347590   | 51.08  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.281 | 75   | 338686m  | 52.26  | ug/l   |          |
| 77) Bromobenzene              | 11.238 | 156  | 267200   | 52.27  | ug/l   | 100      |
| 78) n-propylbenzene           | 11.341 | 91   | 1242905  | 53.30  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.402 | 91   | 744073   | 52.24  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.488 | 105  | 934875   | 54.15  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.055 | 75   | 119557   | 51.69  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.494 | 91   | 859935   | 51.01  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.756 | 119  | 890479   | 53.42  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.793 | 105  | 946885   | 54.38  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.927 | 105  | 1046919  | 54.33  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.049 | 119  | 959896   | 53.68  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 466513   | 50.08  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.079 | 146  | 464202   | 47.99  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.372 | 91   | 825758   | 51.55  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.579 | 117  | 160146   | 49.73  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.372 | 146  | 445114   | 49.59  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.981 | 75   | 75584    | 50.11  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.628 | 180  | 304098   | 52.24  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.768 | 225  | 120897   | 44.07  | ug/l   | 95       |
| 95) Naphthalene               | 13.817 | 128  | 1058562  | 49.41  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.000 | 180  | 310370   | 54.75  | ug/l   | 97       |

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ClientSampleId :  
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Manual Integrations  
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MMDadoda  
1/27/2021 12:49:27 PM

Quant Time: Jan 27 01:00:39 2021  
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Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:38:15 2021  
Response via : Initial Calibration

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

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

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