

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061721\  
 Data File : VX022726.D  
 Acq On : 17 Jun 2021 09:20  
 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  
 6/18/2021 8:59:03 AM

Quant Time: Jun 18 01:14:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 72033      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 137968     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 129904     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 57384      | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 59963      | 46.286  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 92.580% |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 43421      | 49.327  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.660% |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 172502     | 49.711  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 99.420% |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 65585      | 49.974  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 99.940% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 42095      | 49.799  | ug/l   | 97       |
| 3) Chloromethane             | 1.294          | 50   | 44086      | 43.162  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 45192      | 45.029  | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 27914      | 51.128  | ug/l   | 93       |
| 6) Chloroethane              | 1.679          | 64   | 27917      | 45.939  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 69922      | 48.380  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 28331      | 48.523  | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 44823      | 50.835  | ug/l   | 90       |
| 10) Methyl Iodide            | 2.453          | 142  | 41263      | 41.739  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 60382      | 201.302 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 42749      | 48.882  | ug/l   | 96       |
| 13) Acrolein                 | 2.239          | 56   | 34454      | 274.094 | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 81981      | 48.489  | ug/l   | 95       |
| 15) Acrylonitrile            | 3.069          | 53   | 139433     | 236.681 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 118664     | 204.561 | ug/l   | 93       |
| 17) Carbon Disulfide         | 2.514          | 76   | 91713      | 46.604  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.709          | 43   | 78160      | 44.762  | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 150012     | 49.435  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.794          | 84   | 52674      | 47.009  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 47177      | 48.684  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.764          | 45   | 163843     | 48.967  | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.727          | 43   | 755688     | 245.068 | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 93634      | 48.224  | ug/l   | 98       |
| 25) 2-Butanone               | 4.562          | 43   | 215786     | 229.365 | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 77557      | 52.375  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 55888      | 47.335  | ug/l   | 93       |
| 28) Bromochloromethane       | 4.904          | 49   | 45613      | 48.583  | ug/l # | 79       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 127251     | 232.304 | ug/l   | 88       |
| 30) Chloroform               | 5.099          | 83   | 95410      | 49.297  | ug/l   | 98       |
| 31) Cyclohexane              | 5.471          | 56   | 72870      | 46.627  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 78386      | 47.754  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 68224      | 49.629  | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.721          | 43   | 83683      | 47.895  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 64506      | 54.856  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.385          | 83   | 75664      | 52.761  | ug/l   | 98       |
| 40) Benzene                  | 6.038          | 78   | 208828     | 51.061  | ug/l   | 100      |

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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  
 6/18/2021 8:59:03 AM

Quant Time: Jun 18 01:14:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 46041    | 49.172  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 78166    | 51.961  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 140433   | 50.895  | ug/l   | 93       |
| 44) Trichloroethene           | 7.123  | 130  | 50197    | 52.284  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 56785    | 51.460  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 36239    | 48.798  | ug/l # | 86       |
| 47) Bromodichloromethane      | 7.824  | 83   | 71385    | 49.456  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 66840    | 50.459  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 24073    | 954.841 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 449596   | 256.690 | ug/l   | 90       |
| 52) Toluene                   | 8.720  | 92   | 130352   | 51.210  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 81887    | 47.858  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 88006    | 47.984  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 53307    | 51.182  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 87779    | 46.751  | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 95599    | 52.777  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 235741   | 251.074 | ug/l   | 95       |
| 59) 2-Hexanone                | 9.433  | 43   | 362806   | 271.111 | ug/l   | 88       |
| 60) Dibromochloromethane      | 9.525  | 129  | 49686    | 48.660  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 54566    | 52.491  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 44699    | 54.411  | ug/l   | 90       |
| 65) Chlorobenzene             | 10.079 | 112  | 138109   | 51.011  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 47281    | 48.310  | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.195 | 91   | 258987   | 51.962  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 189157   | 104.777 | ug/l   | 96       |
| 69) o-Xylene                  | 10.646 | 106  | 92930    | 53.127  | ug/l   | 97       |
| 70) Styrene                   | 10.659 | 104  | 159548   | 49.406  | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 29772    | 46.671  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 252605   | 53.611  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 128514   | 50.715  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 85281    | 50.885  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 78987m   | 51.915  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 52035    | 51.695  | ug/l   | 84       |
| 78) n-propylbenzene           | 11.305 | 91   | 306559   | 53.865  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 177507   | 51.543  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 209474   | 53.370  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 26814    | 46.144  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 206922   | 52.505  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 192299   | 52.166  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 212224   | 53.307  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 260802   | 54.167  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 213033   | 53.595  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 100852   | 52.788  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 99112    | 50.395  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.335 | 91   | 211936   | 55.692  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 32340    | 49.030  | ug/l   | 72       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 96494    | 51.833  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 17710    | 45.211  | ug/l   | 77       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 60245    | 53.942  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 22578    | 56.373  | ug/l   | 97       |
| 95) Naphthalene               | 13.780 | 128  | 233529   | 47.945  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 58178    | 53.433  | ug/l   | 96       |

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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  
6/18/2021 8:59:03 AM

Quant Time: Jun 18 01:14:52 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 10 12:20:00 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

