

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032521\  
 Data File : VX021501.D  
 Acq On : 25 Mar 2021 20:59  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/26/2021 1:14:29 PM

Quant Time: Mar 26 03:19:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 24 12:25:26 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|--------|--------|----------|
| -----                        |                |      |            |        |        |          |
| Internal Standards           |                |      |            |        |        |          |
| 1) Pentafluorobenzene        | 5.623          | 168  | 79493      | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.829          | 114  | 132192     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.094         | 117  | 123576     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.059         | 152  | 58459      | 50.00  | ug/l   | 0.00     |
|                              |                |      |            |        |        |          |
| System Monitoring Compounds  |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.029          | 65   | 64078      | 48.45  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 96.90% |        |          |
| 35) Dibromofluoromethane     | 5.464          | 113  | 45467      | 48.42  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 96.84% |        |          |
| 50) Toluene-d8               | 8.694          | 98   | 163871     | 48.97  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 97.94% |        |          |
| 62) 4-Bromofluorobenzene     | 11.118         | 95   | 62435      | 47.99  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 95.98% |        |          |
|                              |                |      |            |        |        |          |
| Target Compounds             |                |      |            |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.187          | 85   | 43501      | 49.79  | ug/l   | 100      |
| 3) Chloromethane             | 1.311          | 50   | 52703      | 52.47  | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.393          | 62   | 46665      | 52.22  | ug/l   | 99       |
| 5) Bromomethane              | 1.623          | 94   | 19425      | 54.01  | ug/l   | 97       |
| 6) Chloroethane              | 1.699          | 64   | 28735      | 50.70  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.911          | 101  | 74080      | 50.97  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.170          | 74   | 25404      | 50.37  | ug/l   | 76       |
| 9) 1,1,2-Trichlorotrifluo... | 2.364          | 101  | 40979      | 50.08  | ug/l   | 96       |
| 10) Methyl Iodide            | 2.487          | 142  | 34490      | 53.45  | ug/l # | 88       |
| 11) Tert butyl alcohol       | 3.017          | 59   | 49678      | 227.19 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.352          | 96   | 39373      | 49.15  | ug/l   | 86       |
| 13) Acrolein                 | 2.276          | 56   | 25237      | 229.18 | ug/l   | 100      |
| 14) Allyl chloride           | 2.705          | 41   | 80442      | 49.47  | ug/l # | 89       |
| 15) Acrylonitrile            | 3.117          | 53   | 136667     | 262.99 | ug/l   | 98       |
| 16) Acetone                  | 2.423          | 43   | 128246     | 256.44 | ug/l   | 88       |
| 17) Carbon Disulfide         | 2.546          | 76   | 102514     | 45.57  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.746          | 43   | 80943      | 56.02  | ug/l   | 90       |
| 19) Methyl tert-butyl Ether  | 3.164          | 73   | 156803     | 52.41  | ug/l   | 97       |
| 20) Methylene Chloride       | 2.835          | 84   | 47569      | 48.74  | ug/l # | 87       |
| 21) trans-1,2-Dichloroethene | 3.140          | 96   | 44592      | 50.68  | ug/l   | 91       |
| 22) Diisopropyl ether        | 3.829          | 45   | 165454     | 52.37  | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.788          | 43   | 701085     | 262.36 | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 3.670          | 63   | 86824      | 50.98  | ug/l   | 97       |
| 25) 2-Butanone               | 4.635          | 43   | 198873     | 262.33 | ug/l # | 89       |
| 26) 2,2-Dichloropropane      | 4.547          | 77   | 62402      | 42.29  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.558          | 96   | 53026      | 51.89  | ug/l   | 94       |
| 28) Bromochloromethane       | 4.982          | 49   | 41795      | 49.02  | ug/l   | 85       |
| 29) Tetrahydrofuran          | 5.088          | 42   | 127933     | 260.28 | ug/l   | 86       |
| 30) Chloroform               | 5.176          | 83   | 94371      | 52.50  | ug/l   | 99       |
| 31) Cyclohexane              | 5.541          | 56   | 72178      | 49.63  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 5.464          | 97   | 82419      | 51.74  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.764          | 75   | 64998      | 50.18  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.794          | 43   | 74681      | 49.86  | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 5.753          | 117  | 70687      | 50.79  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.435          | 83   | 66884      | 46.58  | ug/l   | 91       |
| 40) Benzene                  | 6.111          | 78   | 190398     | 51.77  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032521\  
 Data File : VX021501.D  
 Acq On : 25 Mar 2021 20:59  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/26/2021 1:14:29 PM

Quant Time: Mar 26 03:19:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 24 12:25:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 5.000  | 41   | 45369    | 52.23  | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 6.159  | 62   | 82631    | 51.82  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 6.411  | 43   | 126458   | 52.00  | ug/l # | 91       |
| 44) Trichloroethene           | 7.188  | 130  | 48941    | 50.42  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.488  | 63   | 51842    | 52.03  | ug/l   | 96       |
| 46) Dibromomethane            | 7.635  | 93   | 36829    | 50.71  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.876  | 83   | 75330    | 50.97  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.741  | 41   | 67436    | 51.98  | ug/l # | 83       |
| 49) 1,4-Dioxane               | 7.712  | 88   | 18336    | 789.52 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 8.618  | 43   | 405363   | 271.01 | ug/l   | 88       |
| 52) Toluene                   | 8.765  | 92   | 118632   | 52.22  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 9.024  | 75   | 75906    | 50.86  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.412  | 75   | 80824    | 50.89  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 9.194  | 97   | 50625    | 52.80  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 78194    | 48.35  | ug/l # | 76       |
| 57) 1,3-Dichloropropane       | 9.353  | 76   | 85844    | 52.32  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.288  | 63   | 209943   | 259.08 | ug/l   | 95       |
| 59) 2-Hexanone                | 9.471  | 43   | 302080   | 268.96 | ug/l   | 85       |
| 60) Dibromochloromethane      | 9.565  | 129  | 56796    | 52.89  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 53707    | 52.14  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.318  | 164  | 42935    | 51.87  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.118 | 112  | 126810   | 51.08  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.206 | 131  | 49653    | 52.20  | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.236 | 91   | 233246   | 51.55  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.341 | 106  | 166907   | 103.53 | ug/l   | 92       |
| 69) o-Xylene                  | 10.683 | 106  | 81100    | 51.94  | ug/l   | 93       |
| 70) Styrene                   | 10.694 | 104  | 140749   | 52.41  | ug/l   | 95       |
| 71) Bromoform                 | 10.841 | 173  | 39519    | 51.12  | ug/l # | 100      |
| 73) Isopropylbenzene          | 11.000 | 105  | 217486   | 52.95  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.883 | 43   | 108635   | 54.66  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 11.253 | 83   | 77205    | 53.20  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.277 | 75   | 74741m   | 54.92  | ug/l   |          |
| 77) Bromobenzene              | 11.236 | 156  | 54359    | 53.39  | ug/l   | 94       |
| 78) n-propylbenzene           | 11.342 | 91   | 254864   | 52.54  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.406 | 91   | 153531   | 52.18  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.489 | 105  | 189257   | 53.93  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.059 | 75   | 22144    | 49.56  | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 11.495 | 91   | 182310   | 52.18  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.753 | 119  | 172799   | 50.58  | ug/l   | 91       |
| 84) 1,2,4-Trimethylbenzene    | 11.789 | 105  | 190932   | 53.97  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.930 | 105  | 199017   | 50.50  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.047 | 119  | 185973   | 51.84  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 94906    | 51.76  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.077 | 146  | 94532    | 49.84  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.371 | 91   | 161383   | 49.10  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.577 | 117  | 32356    | 49.98  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.371 | 146  | 90401    | 50.71  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.983 | 75   | 18172    | 49.70  | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 13.624 | 180  | 58149    | 49.77  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.765 | 225  | 22923    | 43.47  | ug/l   | 96       |
| 95) Naphthalene               | 13.818 | 128  | 205349   | 53.88  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.001 | 180  | 58167    | 49.80  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032521\  
Data File : VX021501.D  
Acq On : 25 Mar 2021 20:59  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
3/26/2021 1:14:29 PM

Quant Time: Mar 26 03:19:22 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 24 12:25:26 2021  
Response via : Initial Calibration

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

-----

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

