

Data Path : W:\HPCHEM1\MSVOA X\Data\VX041718\  
 Data File : VX000973.D  
 Acq On : 17 Apr 2018 18:58  
 Operator : JC/MD  
 Sample : VX0417WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0417WBS01

Quant Time: Apr 18 05:15:28 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 10 15:49:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 254397   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 353273   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 332936   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 224464   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 146749   | 45.75 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.50% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 117881   | 43.31 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.62% |          |
| 50) Toluene-d8              | 8.72  | 98   | 436514   | 43.07 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.14% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 178152   | 42.49 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 84.98% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 49138    | 17.11  | ug/l  | 99     |
| 3) Chloromethane              | 1.32 | 50   | 45620    | 18.53  | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.41 | 62   | 49875    | 18.01  | ug/l  | 97     |
| 5) Bromomethane               | 1.65 | 94   | 34644    | 29.66  | ug/l  | 98     |
| 6) Chloroethane               | 1.73 | 64   | 32484    | 19.35  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.93 | 101  | 77901    | 18.64  | ug/l  | 97     |
| 8) Diethyl Ether              | 2.19 | 74   | 30581    | 19.59  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101  | 46211    | 18.76  | ug/l  | 99     |
| 10) Methyl Iodide             | 2.52 | 142  | 32058    | 22.20  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 3.07 | 59   | 45980    | 80.74  | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.38 | 96   | 42759    | 18.31  | ug/l  | 98     |
| 13) Acrolein                  | 2.29 | 56   | 10790    | 39.01  | ug/l  | 94     |
| 14) Allyl chloride            | 2.73 | 41   | 78306    | 18.14  | ug/l  | 98     |
| 15) Acrylonitrile             | 3.15 | 53   | 121367   | 99.96  | ug/l  | 99     |
| 16) Acetone                   | 2.45 | 43   | 115307   | 104.24 | ug/l  | 98     |
| 17) Carbon Disulfide          | 2.57 | 76   | 97987    | 13.86  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.78 | 43   | 63290    | 22.11  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73   | 156154   | 20.08  | ug/l  | 99     |
| 20) Methylene Chloride        | 2.86 | 84   | 49135    | 19.10  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96   | 45883    | 17.82  | ug/l  | 98     |
| 22) Diisopropyl ether         | 3.88 | 45   | 162728   | 20.51  | ug/l  | 99     |
| 23) Vinyl Acetate             | 3.83 | 43   | 676806   | 97.16  | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63   | 88866    | 19.96  | ug/l  | 98     |
| 25) 2-Butanone                | 4.71 | 43   | 177246   | 97.03  | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.59 | 77   | 74149    | 16.78  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96   | 55677    | 19.05  | ug/l  | 99     |
| 28) Bromochloromethane        | 5.03 | 49   | 32310    | 18.02  | ug/l  | 96     |
| 29) Tetrahydrofuran           | 5.17 | 42   | 108417   | 93.48  | ug/l  | 99     |
| 30) Chloroform                | 5.22 | 83   | 92035    | 19.52  | ug/l  | 96     |
| 31) Cyclohexane               | 5.59 | 56   | 73952    | 17.49  | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 5.51 | 97   | 81027    | 18.04  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 5.81 | 75   | 68305    | 17.56  | ug/l  | 98     |
| 37) Ethyl Acetate             | 4.87 | 43   | 67198    | 17.69  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.79 | 117  | 68496    | 15.73  | ug/l  | 100    |

Data Path : W:\HPCHEM1\MSVOA X\Data\VX041718\  
 Data File : VX000973.D  
 Acq On : 17 Apr 2018 18:58  
 Operator : JC/MD  
 Sample : VX0417WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0417WBS01

Quant Time: Apr 18 05:15:28 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 10 15:49:28 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.47  | 83   | 74658    | 15.98  | ug/l   | 98       |
| 40) Benzene                    | 6.15  | 78   | 198885   | 18.40  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.07  | 41   | 40552    | 18.48  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.21  | 62   | 77018    | 19.08  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.47  | 43   | 116218   | 17.85  | ug/l   | 100      |
| 44) Trichloroethene            | 7.22  | 130  | 60168    | 17.90  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 52326    | 19.01  | ug/l   | 98       |
| 46) Dibromomethane             | 7.67  | 93   | 35436    | 18.46  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.91  | 83   | 65371    | 16.88  | ug/l   | 97       |
| 48) Methyl methacrylate        | 7.79  | 41   | 60576    | 17.95  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.76  | 88   | 18953    | 279.41 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43   | 359944   | 94.10  | ug/l   | 98       |
| 52) Toluene                    | 8.79  | 92   | 129382   | 18.04  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 8.45  | 75   | 79742    | 17.16  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 74383    | 16.44  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 53156    | 18.67  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.19  | 69   | 79346    | 18.07  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 87690    | 19.37  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 186669   | 90.97  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 271629   | 91.98  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 55713    | 16.35  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 54838    | 18.16  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 60163    | 18.48  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.15 | 112  | 156337   | 18.67  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 53965    | 17.12  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.26 | 91   | 256679   | 18.38  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.37 | 106  | 200886   | 36.45  | ug/l   | 99       |
| 69) o-Xylene                   | 10.71 | 106  | 96982    | 18.26  | ug/l   | 98       |
| 70) Styrene                    | 10.72 | 104  | 163120   | 18.21  | ug/l   | 100      |
| 71) Bromoform                  | 10.87 | 173  | 42647    | 14.61  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 265722   | 18.66  | ug/l   | 99       |
| 74) N-amyl acetate             | 6.47  | 43   | 116218   | 18.12  | ug/l # | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 78553    | 19.01  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 72889m   | 18.83  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 76810    | 18.41  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.37 | 91   | 301223   | 18.49  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 179281   | 18.62  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 223655   | 18.26  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 18290    | 13.00  | ug/l # | 85       |
| 82) 4-Chlorotoluene            | 11.52 | 91   | 214792   | 18.48  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 228223   | 18.22  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 231384   | 18.30  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 266803   | 18.05  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 246089   | 17.85  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 143822   | 18.62  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 145921   | 18.43  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.40 | 91   | 215258   | 17.69  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 33669    | 14.44  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 141666   | 19.00  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 15392    | 14.87  | ug/l   | 97       |

Data Path : W:\HPCHEM1\MSVOA X\Data\VX041718\  
Data File : VX000973.D  
Acq On : 17 Apr 2018 18:58  
Operator : JC/MD  
Sample : VX0417WBS01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0417WBS01

Quant Time: Apr 18 05:15:28 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041018W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 10 15:49:28 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 113425   | 17.83 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 48327    | 15.45 | ug/l  | 99       |
| 95) Naphthalene            | 13.84 | 128  | 296129   | 18.13 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 110238   | 17.84 | ug/l  | 100      |

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

