Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
Data File : VX001476.D
Acq On : 07 May 2018 19:47
Operator : JC/MD
Sample : J2659-04MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428MS

**Manual Integrations APPROVED**
MMDadoda
5/9/2018 5:47:33 PM

Quant Time: May 08 07:12:12 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 237304 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.87 | 114 | 310033 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 298591 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 217802 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 171022 | 50.14 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.28% | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 139526 | 50.60 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.20% | | | |
| 50) Toluene-d8 | 8.72 | 98 | 505810 | 50.25 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.50% | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 192981 | 49.94 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.88% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 160454 | 50.23 | ug/l | 100 |
| 3) Chloromethane | 1.32 | 50 | 156197 | 50.21 | ug/l | 99 |
| 4) Vinyl Chloride | 1.40 | 62 | 161751 | 49.82 | ug/l | 100 |
| 5) Bromomethane | 1.64 | 94 | 82011 | 55.57 | ug/l | 99 |
| 6) Chloroethane | 1.72 | 64 | 109945 | 51.23 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.93 | 101 | 252106 | 51.59 | ug/l | 100 |
| 8) Diethyl Ether | 2.19 | 74 | 97672 | 51.00 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 141785 | 49.49 | ug/l | 100 |
| 10) Methyl Iodide | 2.51 | 142 | 217394 | 52.59 | ug/l | 100 |
| 11) Tert butyl alcohol | 3.09 | 59 | 202408 | 281.46 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 134992 | 51.41 | ug/l | 99 |
| 13) Acrolein | 2.30 | 56 | 37272 | 263.55 | ug/l | 97 |
| 14) Allyl chloride | 2.73 | 41 | 255511 | 52.19 | ug/l | 99 |
| 15) Acrylonitrile | 3.15 | 53 | 434382 | 267.31 | ug/l | 100 |
| 16) Acetone | 2.45 | 43 | 397365 | 256.57 | ug/l | 99 |
| 17) Carbon Disulfide | 2.57 | 76 | 330548 | 49.46 | ug/l | 100 |
| 18) Methyl Acetate | 2.78 | 43 | 215704 | 53.01 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.21 | 73 | 479401 | 52.44 | ug/l | 100 |
| 20) Methylene Chloride | 2.86 | 84 | 154470 | 50.37 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.17 | 96 | 144589 | 49.34 | ug/l | 99 |
| 22) Diisopropyl ether | 3.88 | 45 | 471686 | 51.56 | ug/l | 100 |
| 23) Vinyl Acetate | 3.83 | 43 | 1909595 | 250.48 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.70 | 63 | 254942 | 49.89 | ug/l | 99 |
| 25) 2-Butanone | 4.72 | 43 | 596970 | 266.65 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.59 | 77 | 185938 | 47.12 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.60 | 96 | 159381 | 51.07 | ug/l | 96 |
| 28) Bromochloromethane | 5.03 | 49 | 115567 | 52.16 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.18 | 42 | 385846 | 269.37 | ug/l | 100 |
| 30) Chloroform | 5.22 | 83 | 278964 | 53.00 | ug/l | 98 |
| 31) Cyclohexane | 5.58 | 56 | 220117 | 50.15 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.50 | 97 | 247801 | 53.87 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.80 | 75 | 197362 | 50.04 | ug/l | 99 |
| 37) Ethyl Acetate | 4.87 | 43 | 215608 | 49.87 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.79 | 117 | 222430 | 52.88 | ug/l | 98 |

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
Data File : VX001476.D
Acq On : 07 May 2018 19:47
Operator : JC/MD
Sample : J2659-04MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 08 07:12:12 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428MS

**Manual Integrations APPROVED**
MMDadoda
5/9/2018 5:47:33 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 7.46 | 83 | 229066 | 49.13 | ug/l | | 99 |
| 40) Benzene | 6.15 | 78 | 598782 | 51.98 | ug/l | | 100 |
| 41) Methacrylonitrile | 5.07 | 41 | 127538 | 51.56 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.21 | 62 | 234524 | 52.97 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.48 | 43 | 345312 | 52.03 | ug/l | | 99 |
| 44) Trichloroethene | 7.22 | 130 | 189307 | 53.77 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.52 | 63 | 147905 | 51.50 | ug/l | | 98 |
| 46) Dibromomethane | 7.66 | 93 | 106167 | 52.22 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.91 | 83 | 205314 | 54.57 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.79 | 41 | 193635 | 53.59 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.76 | 88 | 89343 | 1144.37 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.66 | 43 | 1221651 | 277.02 | ug/l | | 99 |
| 52) Toluene | 8.79 | 92 | 395936 | 52.57 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.44 | 75 | 228213 | 53.67 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 9.05 | 75 | 216074 | 49.19 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.22 | 97 | 162347 | 53.50 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.19 | 69 | 238654 | 54.56 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.38 | 76 | 263465 | 52.51 | ug/l | | 99 |
| 59) 2-Hexanone | 9.51 | 43 | 936478 | 277.31 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.59 | 129 | 172924 | 55.65 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.68 | 107 | 169945 | 53.34 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.34 | 164 | 221843 | 53.30 | ug/l | | 99 |
| 65) Chlorobenzene | 10.15 | 112 | 451573 | 51.57 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.23 | 131 | 170935 | 54.57 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.26 | 91 | 747787 | 52.10 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.37 | 106 | 605548 | 106.77 | ug/l | | 100 |
| 69) o-Xylene | 10.71 | 106 | 293731 | 53.29 | ug/l | | 99 |
| 70) Styrene | 10.72 | 104 | 488244 | 54.53 | ug/l | | 99 |
| 71) Bromoform | 10.86 | 173 | 143680 | 47.86 | ug/l | | 99 |
| 73) Isopropylbenzene | 11.02 | 105 | 786278 | 52.15 | ug/l | | 100 |
| 74) N-amyl acetate | 6.48 | 43 | 345312 | 50.42 | ug/l | # | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.27 | 83 | 231478 | 51.98 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.30 | 75 | 231438m | 52.39 | ug/l | | |
| 77) Bromobenzene | 11.26 | 156 | 223752 | 51.04 | ug/l | | 99 |
| 78) n-propylbenzene | 11.37 | 91 | 870993 | 53.05 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.43 | 91 | 524310 | 51.89 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 662432 | 52.77 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75 | 62812 | 45.74 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.52 | 91 | 610275 | 52.36 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.77 | 119 | 645474 | 51.68 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 686714 | 53.22 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.95 | 105 | 797184 | 53.17 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.07 | 119 | 735604 | 53.48 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 12.03 | 146 | 398639 | 50.87 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.10 | 146 | 405180 | 50.70 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.39 | 91 | 589427 | 51.72 | ug/l | | 100 |
| 90) Hexachloroethane | 12.60 | 117 | 111906 | 54.04 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.40 | 146 | 410621 | 51.51 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75 | 55498 | 56.72 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180 | 301450 | 51.67 | ug/l | | 99 |

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
Data File : VX001476.D
Acq On : 07 May 2018 19:47
Operator : JC/MD
Sample : J2659-04MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303I2-20180428MS

Manual Integrations APPROVED
MMDadoda
5/9/2018 5:47:33 PM

Quant Time: May 08 07:12:12 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 94) Hexachlorobutadiene | 13.79 | 225 | 154718 | 48.47 | ug/l | 99 |
| 95) Naphthalene | 13.84 | 128 | 889731 | 55.15 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180 | 313356 | 52.35 | ug/l | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
Data File : VX001476.D
Acq On : 07 May 2018 19:47
Operator : JC/MD
Sample : J2659-04MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 08 07:12:12 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPS1-TT-MW303I2-20180428MS

**Manual Integrations APPROVED**
MMDadoda
5/9/2018 5:47:33 PM