Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\
Data File : BG023080.D
Acq On : 13 Jul 2016 21:51
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040EC

Quant Time: Jul 14 04:36:48 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 18:30:58 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 112715 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.99 | 136 | 515330 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.81 | 164 | 382704 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.56 | 188 | 946888 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.87 | 240 | 966270 | 20.00 | ng | | 0.02 |
| 86) Perylene-d12 | 25.25 | 264 | 977200 | 20.00 | ng | | 0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.70 | 112 | 523338 | 75.94 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 810717 | 75.11 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.33 | 82 | 907874 | 75.44 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.30 | 330 | 453315 | 65.91 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.42 | 172 | 1833573 | 75.47 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.16 | 244 | 2550173 | 82.94 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.57 | 88 | 90591 | 33.82 | ng | | 88 |
| 3) Pyridine | 3.98 | 79 | 331154 | 36.13 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.89 | 42 | 144588 | 36.77 | ng | # | 95 |
| 6) Aniline | 7.47 | 93 | 557950 | 37.30 | ng | | 95 |
| 8) 2-Chlorophenol | 7.72 | 128 | 274441 | 37.42 | ng | | 99 |
| 9) Benzaldehyde | 7.29 | 77 | 262090 | 36.34 | ng | | 95 |
| 10) Phenol | 7.34 | 94 | 423348 | 38.12 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.57 | 93 | 327596 | 37.22 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 8.04 | 146 | 335375 | 37.36 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.19 | 146 | 344606 | 38.34 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.51 | 146 | 324925 | 36.37 | ng | | 96 |
| 15) Benzyl Alcohol | 8.40 | 79 | 369121 | 37.34 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68 | 45 | 417212 | 38.80 | ng | | 92 |
| 17) 2-Methylphenol | 8.60 | 107 | 270167 | 37.37 | ng | | 94 |
| 18) Hexachloroethane | 9.25 | 117 | 144264 | 38.03 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.96 | 70 | 352607 | 36.24 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 372636 | 36.96 | ng | | 98 |
| 22) Acetophenone | 8.98 | 105 | 558843 | 36.13 | ng | # | 96 |
| 24) Nitrobenzene | 9.38 | 77 | 488494 | 38.20 | ng | | 94 |
| 25) Isophorone | 9.89 | 82 | 866168 | 35.78 | ng | | 97 |
| 26) 2-Nitrophenol | 10.09 | 139 | 191917 | 38.25 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 10.15 | 122 | 302144 | 34.83 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 508768 | 37.69 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 343502 | 37.13 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.85 | 180 | 391292 | 36.91 | ng | | 97 |
| 31) Naphthalene | 11.04 | 128 | 968525 | 36.92 | ng | | 99 |
| 32) Benzoic acid | 10.29 | 122 | 281133 | 35.63 | ng | | 95 |
| 33) 4-Chloroaniline | 11.15 | 127 | 473174 | 36.88 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.32 | 225 | 311214 | 36.21 | ng | | 91 |
| 35) Caprolactam | 11.93 | 113 | 126722 | 33.29 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 12.27 | 107 | 456654 | 36.09 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.64 | 142 | 766051 | 36.95 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 602524 | 36.53 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.98 | 237 | 402304 | 42.37 | ng | | 100 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\
Data File : BG023080.D
Acq On : 13 Jul 2016 21:51
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040EC

Quant Time: Jul 14 04:36:48 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 18:30:58 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.24 | 196 | 349437 | 36.86 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.32 | 196 | 359318 | 36.91 | ng | | 97 |
| 45) 1,1'-Biphenyl | 13.64 | 154 | 1098956 | 38.27 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.68 | 162 | 901018 | 38.68 | ng | | 98 |
| 47) 2-Nitroaniline | 13.89 | 65 | 391170 | 39.36 | ng | | 95 |
| 48) Acenaphthylene | 14.53 | 152 | 1315254 | 37.64 | ng | | 97 |
| 49) Dimethylphthalate | 14.25 | 163 | 1120087 | 35.83 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.38 | 165 | 255490 | 36.37 | ng | | 85 |
| 51) Acenaphthene | 14.87 | 154 | 865252 | 37.89 | ng | | 97 |
| 52) 3-Nitroaniline | 14.72 | 138 | 263371 | 37.59 | ng | | 87 |
| 53) 2,4-Dinitrophenol | 14.92 | 184 | 209244 | 43.40 | ng | | 94 |
| 54) Dibenzofuran | 15.21 | 168 | 1258976 | 36.84 | ng | | 98 |
| 55) 4-Nitrophenol | 15.03 | 139 | 197907 | 33.70 | ng | | 91 |
| 56) 2,4-Dinitrotoluene | 15.16 | 165 | 376584 | 36.77 | ng | | 97 |
| 57) Fluorene | 15.85 | 166 | 1086021 | 36.92 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.43 | 232 | 337146m | 34.62 | ng | | |
| 59) Diethylphthalate | 15.61 | 149 | 1151993 | 36.22 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.84 | 204 | 624344 | 34.85 | ng | | 99 |
| 61) 4-Nitroaniline | 15.88 | 138 | 283480 | 37.40 | ng | # | 88 |
| 62) Azobenzene | 16.13 | 77 | 1189688 | 39.10 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.93 | 198 | 246325 | 35.00 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 16.06 | 169 | 1035616 | 37.96 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.74 | 248 | 426878 | 34.65 | ng | | 97 |
| 67) Hexachlorobenzene | 16.86 | 284 | 459148 | 34.28 | ng | | 98 |
| 68) Atrazine | 17.00 | 200 | 449060 | 37.11 | ng | | 97 |
| 69) Pentachlorophenol | 17.21 | 266 | 291123 | 33.56 | ng | | 99 |
| 70) Phenanthrene | 17.60 | 178 | 1730699 | 37.30 | ng | | 100 |
| 71) Anthracene | 17.70 | 178 | 1756553 | 37.38 | ng | | 98 |
| 72) Carbazole | 17.97 | 167 | 1531270 | 37.71 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 1813556 | 40.16 | ng | | 99 |
| 74) Fluoranthene | 19.61 | 202 | 2019878 | 35.47 | ng | | 98 |
| 76) Benzidine | 19.79 | 184 | 705607 | 25.47 | ng | | 99 |
| 77) Pyrene | 19.97 | 202 | 2086316 | 38.42 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.85 | 149 | 875040 | 40.69 | ng | | 95 |
| 80) Benzo(a)anthracene | 21.84 | 228 | 2038108 | 37.70 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.76 | 252 | 859214 | 36.21 | ng | # | 97 |
| 82) Chrysene | 21.92 | 228 | 1926450 | 37.99 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.73 | 149 | 1186791 | 39.74 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.99 | 149 | 1995204 | 40.06 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 29.12 | 276 | 2177800 | 33.68 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.17 | 252 | 2116868 | 37.55 | ng | # | 99 |
| 88) Benzo(k)fluoranthene | 24.24 | 252 | 2038762 | 38.11 | ng | # | 98 |
| 89) Benzo(a)pyrene | 25.09 | 252 | 2011529 | 37.22 | ng | # | 99 |
| 90) Dibenzo(a,h)anthracene | 29.19 | 278 | 1897055 | 35.37 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 30.35 | 276 | 1852296 | 34.48 | ng | # | 96 |

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\
Data File : BG023080.D
Acq On : 13 Jul 2016 21:51
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Jul 14 04:36:48 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 18:30:58 2016
Response via : Initial Calibration