Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019907.D
Acq On : 4 Dec 2015 16:27
Operator : UM/NP
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Dec 04 22:17:11 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 30018 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.94 | 136 | 131654 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.75 | 164 | 93069 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.49 | 188 | 229534 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.76 | 240 | 269762 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 25.05 | 264 | 260465 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 136347 | 82.09 | ng | | 0.00 |
| 7) Phenol-d6 | 7.26 | 99 | 208364 | 83.09 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.29 | 82 | 220553 | 85.50 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.23 | 330 | 108757 | 76.37 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.37 | 172 | 545888 | 80.09 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.09 | 244 | 868630 | 78.54 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 27760 | 42.90 | ng | # | 100 |
| 3) Pyridine | 3.93 | 79 | 85404 | 43.46 | ng | # | 89 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 39415 | 38.14 | ng | | 82 |
| 6) Aniline | 7.44 | 93 | 132299 | 40.74 | ng | # | 86 |
| 8) 2-Chlorophenol | 7.68 | 128 | 83200 | 41.08 | ng | | 93 |
| 9) Benzaldehyde | 7.25 | 77 | 64841 | 38.78 | ng | | 88 |
| 10) Phenol | 7.29 | 94 | 110927 | 42.03 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 7.53 | 93 | 80270 | 41.07 | ng | | 83 |
| 12) 1,3-Dichlorobenzene | 8.01 | 146 | 92076 | 40.11 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 8.16 | 146 | 94353 | 39.80 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.47 | 146 | 90525 | 40.03 | ng | | 94 |
| 15) Benzyl Alcohol | 8.35 | 79 | 84275 | 38.30 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 131587 | 41.28 | ng | | 93 |
| 17) 2-Methylphenol | 8.55 | 107 | 77950 | 41.84 | ng | # | 90 |
| 18) Hexachloroethane | 9.21 | 117 | 34821 | 39.22 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.93 | 70 | 77640 | 39.26 | ng | # | 88 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 107962 | 41.15 | ng | | 91 |
| 22) Acetophenone | 8.94 | 105 | 146876 | 40.70 | ng | # | 92 |
| 24) Nitrobenzene | 9.33 | 77 | 121904 | 43.56 | ng | | 89 |
| 25) Isophorone | 9.86 | 82 | 223210 | 40.36 | ng | # | 95 |
| 26) 2-Nitrophenol | 10.04 | 139 | 50566 | 46.79 | ng | # | 76 |
| 27) 2,4-Dimethylphenol | 10.10 | 122 | 90724 | 40.31 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.34 | 93 | 112347 | 41.57 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.58 | 162 | 96020 | 41.76 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.80 | 180 | 102327 | 39.38 | ng | | 94 |
| 31) Naphthalene | 10.99 | 128 | 292362 | 41.45 | ng | | 99 |
| 32) Benzoic acid | 10.22 | 122 | 76130 | 49.92 | ng | # | 86 |
| 33) 4-Chloroaniline | 11.09 | 127 | 126652 | 40.75 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.27 | 225 | 72511 | 37.83 | ng | | 99 |
| 35) Caprolactam | 11.87 | 113 | 34881 | 40.76 | ng | # | 71 |
| 36) 4-Chloro-3-methylphenol | 12.20 | 107 | 117092 | 40.89 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.59 | 142 | 208430 | 40.33 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216 | 142097 | 40.23 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.93 | 237 | 76611 | 38.04 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019907.D
Acq On : 4 Dec 2015 16:27
Operator : UM/NP
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Dec 04 22:17:11 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.18 | 196 | 94188 | 40.28 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.25 | 196 | 100596 | 40.70 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.59 | 154 | 306634 | 40.15 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.63 | 162 | 236910 | 40.24 | ng | | 94 |
| 47) 2-Nitroaniline | 13.83 | 65 | 81521 | 43.84 | ng | | 93 |
| 48) Acenaphthylene | 14.47 | 152 | 398325 | 39.72 | ng | | 99 |
| 49) Dimethylphthalate | 14.20 | 163 | 321632 | 38.42 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.31 | 165 | 69098 | 43.90 | ng | # | 76 |
| 51) Acenaphthene | 14.81 | 154 | 249834 | 41.06 | ng | | 99 |
| 52) 3-Nitroaniline | 14.64 | 138 | 70578 | 43.16 | ng | # | 89 |
| 53) 2,4-Dinitrophenol | 14.84 | 184 | 33743 | 44.88 | ng | # | 79 |
| 54) Dibenzofuran | 15.15 | 168 | 353157 | 39.01 | ng | | 94 |
| 55) 4-Nitrophenol | 14.94 | 139 | 58408 | 41.01 | ng | # | 68 |
| 56) 2,4-Dinitrotoluene | 15.10 | 165 | 98516 | 44.86 | ng | # | 93 |
| 57) Fluorene | 15.80 | 166 | 311572 | 38.45 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.37 | 232 | 87775 | 38.38 | ng | | 98 |
| 59) Diethylphthalate | 15.56 | 149 | 334418 | 36.91 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.78 | 204 | 173961 | 37.39 | ng | | 96 |
| 61) 4-Nitroaniline | 15.81 | 138 | 74015 | 40.24 | ng | # | 75 |
| 62) Azobenzene | 16.08 | 77 | 291337 | 38.64 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 58650 | 45.80 | ng | | 92 |
| 65) n-Nitrosodiphenylamine | 15.99 | 169 | 272468 | 41.02 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.68 | 248 | 115807 | 40.60 | ng | | 95 |
| 67) Hexachlorobenzene | 16.79 | 284 | 118877 | 40.01 | ng | | 96 |
| 68) Atrazine | 16.94 | 200 | 112244 | 38.89 | ng | | 92 |
| 69) Pentachlorophenol | 17.13 | 266 | 77793 | 44.86 | ng | | 96 |
| 70) Phenanthrene | 17.53 | 178 | 513409 | 39.53 | ng | | 97 |
| 71) Anthracene | 17.62 | 178 | 526170 | 39.78 | ng | | 97 |
| 72) Carbazole | 17.89 | 167 | 453921 | 38.95 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.44 | 149 | 559660 | 39.18 | ng | | 98 |
| 74) Fluoranthene | 19.53 | 202 | 640044 | 38.53 | ng | | 95 |
| 76) Benzidine | 19.71 | 184 | 342854 | 38.69 | ng | | 97 |
| 77) Pyrene | 19.90 | 202 | 647194 | 40.78 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.78 | 149 | 262524 | 42.20 | ng | | 97 |
| 80) Benzo(a)anthracene | 21.75 | 228 | 661938 | 40.09 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.66 | 252 | 247984 | 39.43 | ng | | 99 |
| 82) Chrysene | 21.82 | 228 | 613926 | 39.16 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 379550 | 41.58 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.90 | 149 | 636947 | 42.91 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 28.81 | 276 | 760265 | 44.02 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.01 | 252 | 647891 | 39.25 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 24.08 | 252 | 626613 | 38.33 | ng | # | 95 |
| 89) Benzo(a)pyrene | 24.90 | 252 | 617686 | 39.41 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 28.89 | 278 | 617327 | 39.87 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 29.99 | 276 | 617490 | 40.61 | ng | # | 94 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019907.D
Acq On : 4 Dec 2015 16:27
Operator : UM/NP
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

Quant Time: Dec 04 22:17:11 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration