Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090916\
Data File : BG023981.D
Acq On : 9 Sep 2016 19:34
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 10 01:11:23 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 09 16:24:09 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 42021 | 20.00 | ng | | -0.04 |
| 21) Naphthalene-d8 | 10.89 | 136 | 262118 | 20.00 | ng | | -0.04 |
| 38) Acenaphthene-d10 | 14.73 | 164 | 236211 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 17.50 | 188 | 690687 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 21.81 | 240 | 866292 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 25.16 | 264 | 716481 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 195000 | 81.47 | ng | | -0.04 |
| 7) Phenol-d6 | 7.23 | 99 | 384539 | 104.37 | ng | | -0.04 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 511279 | 87.08 | ng | | -0.04 |
| 41) 2,4,6-Tribromophenol | 16.24 | 330 | 360436 | 84.69 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 13.35 | 172 | 1185553 | 71.96 | ng | | -0.03 |
| 78) Terphenyl-d14 | 20.11 | 244 | 2769599 | 72.81 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.47 | 88 | 32787 | 33.22 | ng | # | 91 |
| 3) Pyridine | 3.88 | 79 | 131413 | 44.30 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.80 | 42 | 74412 | 47.59 | ng | # | 96 |
| 6) Aniline | 7.39 | 93 | 250730 | 51.27 | ng | | 97 |
| 8) 2-Chlorophenol | 7.63 | 128 | 127313 | 45.91 | ng | | 90 |
| 9) Benzaldehyde | 7.20 | 77 | 121090 | 46.26 | ng | | 92 |
| 10) Phenol | 7.26 | 94 | 199365 | 51.44 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 137164 | 44.98 | ng | | 84 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 128073 | 39.46 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.10 | 146 | 133138 | 38.72 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.42 | 146 | 134242 | 41.60 | ng | | 97 |
| 15) Benzyl Alcohol | 8.31 | 79 | 191710 | 59.02 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59 | 45 | 196841 | 48.16 | ng | | 93 |
| 17) 2-Methylphenol | 8.52 | 107 | 141541 | 54.20 | ng | | 95 |
| 18) Hexachloroethane | 9.15 | 117 | 55724 | 42.09 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.87 | 70 | 189697 | 58.28 | ng | | 91 |
| 20) 3+4-Methylphenols | 8.85 | 107 | 208709 | 57.35 | ng | | 97 |
| 22) Acetophenone | 8.89 | 105 | 279800 | 41.23 | ng | # | 97 |
| 24) Nitrobenzene | 9.28 | 77 | 275569 | 43.65 | ng | | 97 |
| 25) Isophorone | 9.81 | 82 | 531749 | 46.70 | ng | | 98 |
| 26) 2-Nitrophenol | 10.01 | 139 | 104225 | 43.42 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.06 | 122 | 175689 | 43.07 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.29 | 93 | 242798 | 42.23 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.55 | 162 | 198440 | 45.92 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.75 | 180 | 189761 | 40.03 | ng | | 96 |
| 31) Naphthalene | 10.94 | 128 | 529334 | 39.19 | ng | | 99 |
| 32) Benzoic acid | 10.25 | 122 | 155950 | 47.08 | ng | | 96 |
| 33) 4-Chloroaniline | 11.06 | 127 | 257262 | 45.61 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.22 | 225 | 141410 | 39.72 | ng | | 96 |
| 35) Caprolactam | 11.87 | 113 | 81127 | 53.26 | ng | | 86 |
| 36) 4-Chloro-3-methylphenol | 12.20 | 107 | 291552 | 50.49 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.55 | 142 | 436703 | 42.50 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.92 | 216 | 314311 | 40.09 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.89 | 237 | 118068 | 29.86 | ng | | 96 |

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090916\
Data File : BG023981.D
Acq On : 9 Sep 2016 19:34
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 10 01:11:23 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 09 16:24:09 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.17 | 196 | 214397 | 40.98 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.25 | 196 | 225327 | 42.60 | ng | | 94 |
| 45) 1,1'-Biphenyl | 13.56 | 154 | 704718 | 37.09 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.61 | 162 | 524750 | 37.62 | ng | | 98 |
| 47) 2-Nitroaniline | 13.83 | 65 | 263526 | 47.96 | ng | | 99 |
| 48) Acenaphthylene | 14.46 | 152 | 901081 | 38.76 | ng | | 99 |
| 49) Dimethylphthalate | 14.19 | 163 | 783610 | 38.69 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.32 | 165 | 176466 | 41.27 | ng | | 97 |
| 51) Acenaphthene | 14.80 | 154 | 552568 | 38.44 | ng | | 95 |
| 52) 3-Nitroaniline | 14.66 | 138 | 184854 | 46.22 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 14.87 | 184 | 112749 | 39.64 | ng | # | 88 |
| 54) Dibenzofuran | 15.14 | 168 | 874694 | 38.99 | ng | | 99 |
| 55) 4-Nitrophenol | 14.99 | 139 | 151748 | 47.69 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 15.12 | 165 | 277945 | 44.22 | ng | | 91 |
| 57) Fluorene | 15.79 | 166 | 782343 | 40.21 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.37 | 232 | 234400 | 43.66 | ng | | 94 |
| 59) Diethylphthalate | 15.55 | 149 | 847596 | 39.20 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.77 | 204 | 421367 | 40.24 | ng | | 97 |
| 61) 4-Nitroaniline | 15.84 | 138 | 207633 | 51.35 | ng | | 97 |
| 62) Azobenzene | 16.07 | 77 | 882901 | 42.16 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 200334 | 41.78 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 16.00 | 169 | 734431 | 37.44 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.67 | 248 | 320784 | 38.17 | ng | | 97 |
| 67) Hexachlorobenzene | 16.80 | 284 | 368482 | 37.39 | ng | | 96 |
| 68) Atrazine | 16.95 | 200 | 354434 | 41.99 | ng | | 99 |
| 69) Pentachlorophenol | 17.15 | 266 | 214630 | 41.00 | ng | | 97 |
| 70) Phenanthrene | 17.54 | 178 | 1402588 | 39.04 | ng | | 99 |
| 71) Anthracene | 17.64 | 178 | 1441225 | 39.32 | ng | | 99 |
| 72) Carbazole | 17.92 | 167 | 1411165 | 42.43 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.45 | 149 | 1618719 | 40.79 | ng | | 99 |
| 74) Fluoranthene | 19.56 | 202 | 1954094 | 45.17 | ng | | 99 |
| 76) Benzidine | 19.74 | 184 | 1064017 | 39.66 | ng | | 99 |
| 77) Pyrene | 19.92 | 202 | 2018261 | 37.88 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.80 | 149 | 925441 | 45.06 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.80 | 228 | 1955397 | 40.32 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.71 | 252 | 751343 | 38.76 | ng | # | 96 |
| 82) Chrysene | 21.87 | 228 | 1823479 | 39.50 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 1200867 | 42.70 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.91 | 149 | 1713009 | 37.14 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 29.00 | 276 | 1910672 | 37.39 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.09 | 252 | 1708835m | 41.99 | ng | | |
| 88) Benzo(k)fluoranthene | 24.17 | 252 | 1675429 | 41.52 | ng | # | 99 |
| 89) Benzo(a)pyrene | 25.00 | 252 | 1614254 | 41.77 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 29.06 | 278 | 1539678 | 40.51 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 30.21 | 276 | 1555143 | 42.54 | ng | # | 94 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090916\
Data File : BG023981.D
Acq On : 9 Sep 2016 19:34
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 10 01:11:23 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 09 16:24:09 2016
Response via : Initial Calibration