Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060616\
Data File : BG022182.D
Acq On : 6 Jun 2016 23:48
Operator : UM/SJ
Sample : PB91112BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB91112BS

**Manual Integrations APPROVED**
sohil
6/7/2016 7:27:53 PM

Quant Time: Jun 07 03:52:38 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 06 16:12:45 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 26846 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.94 | 136 | 129801 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.74 | 164 | 80805 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.49 | 188 | 189704 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.77 | 240 | 188106 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.06 | 264 | 180309 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 209472 | 150.86 | ng | | 0.00 |
| 7) Phenol-d6 | 7.28 | 99 | 305919 | 140.13 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.29 | 82 | 160761 | 86.35 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.24 | 330 | 122339 | 133.99 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.37 | 172 | 447052 | 84.31 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.09 | 244 | 672291 | 84.85 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 20549 | 30.86 | ng | # | 73 |
| 3) Pyridine | 3.92 | 79 | 59410 | 33.02 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 15956 | 39.66 | ng | | 98 |
| 6) Aniline | 7.44 | 93 | 67049 | 24.17 | ng | # | 81 |
| 8) 2-Chlorophenol | 7.68 | 128 | 86492 | 45.07 | ng | # | 77 |
| 9) Benzaldehyde | 7.26 | 77 | 5025 | 4.18 | ng | | 88 |
| 10) Phenol | 7.31 | 94 | 102139 | 45.38 | ng | | 84 |
| 11) bis(2-Chloroethyl)ether | 7.53 | 93 | 68875 | 38.38 | ng | # | 73 |
| 12) 1,3-Dichlorobenzene | 8.01 | 146 | 79814 | 38.80 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 8.15 | 146 | 80833 | 39.44 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 8.48 | 146 | 80015 | 38.73 | ng | | 94 |
| 15) Benzyl Alcohol | 8.36 | 79 | 55598 | 39.42 | ng | # | 88 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 70826 | 38.04 | ng | | 79 |
| 17) 2-Methylphenol | 8.56 | 107 | 71116 | 42.34 | ng | # | 86 |
| 18) Hexachloroethane | 9.20 | 117 | 29429 | 39.32 | ng | # | 81 |
| 19) n-Nitroso-di-n-propylamine | 8.92 | 70 | 54216 | 36.69 | ng | # | 66 |
| 20) 3+4-Methylphenols | 8.89 | 107 | 99397 | 41.26 | ng | | 95 |
| 22) Acetophenone | 8.95 | 105 | 113987 | 40.75 | ng | # | 83 |
| 24) Nitrobenzene | 9.33 | 77 | 79719 | 42.58 | ng | # | 77 |
| 25) Isophorone | 9.85 | 82 | 166309 | 38.18 | ng | | 94 |
| 26) 2-Nitrophenol | 10.05 | 139 | 43664 | 43.01 | ng | # | 73 |
| 27) 2,4-Dimethylphenol | 10.10 | 122 | 83051 | 45.20 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 102770 | 41.18 | ng | | 93 |
| 29) 2,4-Dichlorophenol | 10.59 | 162 | 81607 | 47.94 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.80 | 180 | 78098 | 41.06 | ng | | 93 |
| 31) Naphthalene | 10.99 | 128 | 260887 | 40.27 | ng | # | 95 |
| 32) Benzoic acid | 10.24 | 122 | 21619 | 38.36 | ng | # | 76 |
| 33) 4-Chloroaniline | 11.10 | 127 | 39671 | 14.73 | ng | # | 87 |
| 34) Hexachlorobutadiene | 11.26 | 225 | 41663 | 40.80 | ng | | 95 |
| 35) Caprolactam | 11.87 | 113 | 35886m | 38.43 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.22 | 107 | 91059 | 45.13 | ng | # | 82 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 193182 | 40.39 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216 | 86188 | 41.43 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.92 | 237 | 85858 | 80.90 | ng | | 97 |

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060616\
Data File : BG022182.D
Acq On : 6 Jun 2016 23:48
Operator : UM/SJ
Sample : PB91112BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB91112BS

**Manual Integrations APPROVED**
sohil
6/7/2016 7:27:53 PM

Quant Time: Jun 07 03:52:38 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 06 16:12:45 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.19 | 196 | 64193 | 46.00 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.27 | 196 | 69211 | 44.89 | ng | | 95 |
| 45) 1,1'-Biphenyl | 13.58 | 154 | 257624 | 42.36 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.63 | 162 | 201415 | 43.21 | ng | | 96 |
| 47) 2-Nitroaniline | 13.84 | 65 | 46864 | 42.16 | ng | # | 49 |
| 48) Acenaphthylene | 14.47 | 152 | 346139 | 42.32 | ng | | 98 |
| 49) Dimethylphthalate | 14.19 | 163 | 277134 | 41.36 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.32 | 165 | 62269 | 42.75 | ng | # | 77 |
| 51) Acenaphthene | 14.81 | 154 | 201934 | 41.21 | ng | | 98 |
| 52) 3-Nitroaniline | 14.66 | 138 | 29945 | 18.54 | ng | | 83 |
| 53) 2,4-Dinitrophenol | 14.87 | 184 | 50053 | 83.59 | ng | # | 73 |
| 54) Dibenzofuran | 15.14 | 168 | 322377 | 42.16 | ng | | 97 |
| 55) 4-Nitrophenol | 14.98 | 139 | 101820 | 91.33 | ng | # | 68 |
| 56) 2,4-Dinitrotoluene | 15.12 | 165 | 87853 | 44.97 | ng | # | 80 |
| 57) Fluorene | 15.79 | 166 | 274725 | 41.70 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.37 | 232 | 61739 | 44.65 | ng | | 96 |
| 59) Diethylphthalate | 15.55 | 149 | 296943 | 41.49 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.78 | 204 | 125446 | 42.05 | ng | | 95 |
| 61) 4-Nitroaniline | 15.82 | 138 | 66214 | 38.65 | ng | # | 75 |
| 62) Azobenzene | 16.07 | 77 | 234698 | 43.30 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 15.88 | 198 | 38659 | 41.08 | ng | # | 82 |
| 65) n-Nitrosodiphenylamine | 16.00 | 169 | 238941 | 43.72 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.67 | 248 | 77422 | 43.56 | ng | | 94 |
| 67) Hexachlorobenzene | 16.80 | 284 | 87574 | 42.27 | ng | | 96 |
| 68) Atrazine | 16.94 | 200 | 84554 | 41.80 | ng | | 96 |
| 69) Pentachlorophenol | 17.14 | 266 | 81552 | 86.25 | ng | | 99 |
| 70) Phenanthrene | 17.54 | 178 | 440755 | 42.78 | ng | | 98 |
| 71) Anthracene | 17.62 | 178 | 439227 | 42.98 | ng | | 98 |
| 72) Carbazole | 17.89 | 167 | 414937 | 42.87 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.43 | 149 | 550263 | 43.49 | ng | | 98 |
| 74) Fluoranthene | 19.53 | 202 | 511320 | 43.17 | ng | | 97 |
| 76) Benzidine | 19.72 | 184 | 116883 | 23.76 | ng | | 98 |
| 77) Pyrene | 19.90 | 202 | 512595 | 43.83 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.76 | 149 | 237162 | 43.73 | ng | | 93 |
| 80) Benzo(a)anthracene | 21.75 | 228 | 455106 | 43.15 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.66 | 252 | 67400 | 22.76 | ng | | 97 |
| 82) Chrysene | 21.81 | 228 | 430195 | 41.91 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 349772 | 43.86 | ng | | 97 |
| 84) Di-n-octyl phthalate | 22.85 | 149 | 591886 | 44.70 | ng | # | 85 |
| 85) Indeno(1,2,3-cd)pyrene | 28.84 | 276 | 517829 | 44.97 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 24.01 | 252 | 456198 | 43.38 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 24.08 | 252 | 448683 | 43.34 | ng | # | 97 |
| 89) Benzo(a)pyrene | 24.91 | 252 | 440439 | 43.80 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 28.90 | 278 | 424175 | 44.79 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 30.02 | 276 | 432153 | 43.86 | ng | # | 93 |

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060616\
Data File : BG022182.D
Acq On : 6 Jun 2016 23:48
Operator : UM/SJ
Sample : PB91112BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 07 03:52:38 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 06 16:12:45 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB91112BS

**Manual Integrations APPROVED**
sohil
6/7/2016 7:27:53 PM