Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\
Data File : BG018734.D
Acq On : 17 Sep 2015 12:05
Operator : TP
Sample : PB85527BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB85527BS

Manual Integrations APPROVED
MMDadoda
9/18/2015 4:57:53 PM

Quant Time: Sep 18 03:50:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 03:41:39 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 42965 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.81 | 136 | 188331 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.63 | 164 | 138272 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.37 | 188 | 389836 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.63 | 240 | 400848 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.81 | 264 | 416793 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 301242 | 121.12 | ng | | 0.00 |
| 7) Phenol-d6 | 7.17 | 99 | 435919 | 122.24 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 237666 | 70.62 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.12 | 330 | 242525 | 130.26 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.25 | 172 | 686128 | 68.88 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.98 | 244 | 1200114 | 78.62 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.47 | 88 | 29378 | 28.26 | ng | # | 100 |
| 3) Pyridine | 3.87 | 79 | 89851 | 27.88 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.78 | 42 | 33396 | 29.76 | ng | # | 76 |
| 6) Aniline | 7.32 | 93 | 114201 | 23.24 | ng | | 99 |
| 8) 2-Chlorophenol | 7.57 | 128 | 112354 | 39.12 | ng | | 97 |
| 9) Benzaldehyde | 7.13 | 77 | 42727 | 22.25 | ng | | 96 |
| 10) Phenol | 7.19 | 94 | 153082 | 40.63 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.42 | 93 | 105114 | 36.01 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.89 | 146 | 113087 | 33.84 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.03 | 146 | 117125 | 34.95 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 113655 | 35.52 | ng | | 98 |
| 15) Benzyl Alcohol | 8.24 | 79 | 98165 | 38.19 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 114533 | 34.55 | ng | | 98 |
| 17) 2-Methylphenol | 8.44 | 107 | 106153 | 40.55 | ng | | 98 |
| 18) Hexachloroethane | 9.08 | 117 | 40200 | 33.55 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.80 | 70 | 83283 | 33.16 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.77 | 107 | 150801 | 41.03 | ng | | 93 |
| 22) Acetophenone | 8.82 | 105 | 168813 | 35.38 | ng | # | 97 |
| 24) Nitrobenzene | 9.20 | 77 | 122196 | 34.19 | ng | | 100 |
| 25) Isophorone | 9.72 | 82 | 246909 | 34.11 | ng | | 98 |
| 26) 2-Nitrophenol | 9.91 | 139 | 63796 | 38.26 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.97 | 122 | 122937 | 40.60 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93 | 152566 | 36.71 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 10.45 | 162 | 131007 | 42.82 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.66 | 180 | 120766 | 35.62 | ng | | 94 |
| 31) Naphthalene | 10.86 | 128 | 361809 | 35.88 | ng | | 99 |
| 32) Benzoic acid | 10.11 | 122 | 93950 | 39.13 | ng | | 95 |
| 33) 4-Chloroaniline | 10.96 | 127 | 96914 | 21.24 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.14 | 225 | 71014 | 35.52 | ng | | 98 |
| 35) Caprolactam | 11.73 | 113 | 55011m | 41.82 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.09 | 107 | 150323 | 44.04 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 282436 | 38.26 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 146388 | 33.38 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.81 | 237 | 156231 | 70.94 | ng | | 98 |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\
Data File : BG018734.D
Acq On : 17 Sep 2015 12:05
Operator : TP
Sample : PB85527BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB85527BS

**Manual Integrations APPROVED**
MMDadoda
9/18/2015 4:57:53 PM

Quant Time: Sep 18 03:50:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 03:41:39 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.06 | 196 | 118904 | 39.15 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.14 | 196 | 134076 | 40.24 | ng | | 95 |
| 45) 1,1'-Biphenyl | 13.46 | 154 | 385717 | 35.08 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.51 | 162 | 302795 | 35.74 | ng | | 99 |
| 47) 2-Nitroaniline | 13.71 | 65 | 96607 | 37.90 | ng | | 89 |
| 48) Acenaphthylene | 14.35 | 152 | 554737 | 37.04 | ng | | 97 |
| 49) Dimethylphthalate | 14.08 | 163 | 425522 | 37.16 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.20 | 165 | 100180 | 40.27 | ng | | 97 |
| 51) Acenaphthene | 14.69 | 154 | 320550 | 36.79 | ng | | 97 |
| 52) 3-Nitroaniline | 14.53 | 138 | 79765 | 26.83 | ng | | 90 |
| 53) 2,4-Dinitrophenol | 14.74 | 184 | 72907 | 60.02 | ng | | 97 |
| 54) Dibenzofuran | 15.03 | 168 | 529216 | 39.09 | ng | | 100 |
| 55) 4-Nitrophenol | 14.84 | 139 | 188281 | 82.04 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 14.99 | 165 | 148746 | 42.16 | ng | # | 90 |
| 57) Fluorene | 15.68 | 166 | 456093 | 39.12 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.25 | 232 | 129890 | 41.57 | ng | | 96 |
| 59) Diethylphthalate | 15.44 | 149 | 454310 | 38.04 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.66 | 204 | 223295 | 39.87 | ng | | 93 |
| 61) 4-Nitroaniline | 15.69 | 138 | 117827 | 36.76 | ng | | 95 |
| 62) Azobenzene | 15.96 | 77 | 403811 | 38.26 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.75 | 198 | 68131 | 34.18 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 15.88 | 169 | 404855 | 35.86 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 16.56 | 248 | 152514 | 38.47 | ng | | 97 |
| 67) Hexachlorobenzene | 16.68 | 284 | 168956 | 39.22 | ng | | 95 |
| 68) Atrazine | 16.83 | 200 | 166386 | 37.06 | ng | | 97 |
| 69) Pentachlorophenol | 17.02 | 266 | 188282 | 70.87 | ng | | 95 |
| 70) Phenanthrene | 17.42 | 178 | 775079 | 37.80 | ng | | 99 |
| 71) Anthracene | 17.50 | 178 | 783218 | 37.72 | ng | | 99 |
| 72) Carbazole | 17.77 | 167 | 725711 | 36.11 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.33 | 149 | 868172 | 36.63 | ng | | 99 |
| 74) Fluoranthene | 19.42 | 202 | 932021 | 36.70 | ng | | 97 |
| 76) Benzidine | 19.59 | 184 | 388294 | 32.26 | ng | | 96 |
| 77) Pyrene | 19.78 | 202 | 937930 | 38.07 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.66 | 149 | 380687 | 38.01 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.61 | 228 | 889171 | 38.53 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.53 | 252 | 246317 | 28.09 | ng | | 97 |
| 82) Chrysene | 21.68 | 228 | 797935 | 36.72 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.52 | 149 | 561110 | 38.84 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.71 | 149 | 959268 | 39.26 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 28.44 | 276 | 1034962 | 37.50 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 23.81 | 252 | 915457 | 37.88 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 23.87 | 252 | 894486 | 36.94 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.67 | 252 | 889011 | 38.66 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 28.51 | 278 | 857056 | 37.85 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 29.58 | 276 | 847900 | 36.77 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\
Data File : BG018734.D
Acq On : 17 Sep 2015 12:05
Operator : TP
Sample : PB85527BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 03:50:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 03:41:39 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB85527BS

**Manual Integrations APPROVED**
MMDadoda
9/18/2015 4:57:53 PM