Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041216\
Data File : BE091647.D
Acq On : 12 Apr 2016 11:50
Operator : UM/SJ
Sample : PB89409BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PB89409BS

Quant Time: Apr 13 01:15:46 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 16:48:14 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 40763 | 5.00 | ng | | -0.02 |
| 7) Naphthalene-d8 | 10.57 | 136 | 202297 | 5.00 | ng | | -0.02 |
| 13) Acenaphthene-d10 | 14.42 | 164 | 128857 | 5.00 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.15 | 188 | 311979 | 5.00 | ng | | -0.01 |
| 26) Chrysene-d12 | 21.31 | 240 | 403176 | 5.00 | ng | | 0.00 |
| 35) Perylene-d12 | 23.76 | 264 | 348090 | 5.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.41 | 112 | 60103 | 6.18 | ng | | 0.00 |
| 5) Phenol-d6 | 6.97 | 99 | 90215 | 6.96 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.96 | 82 | 40802 | 3.47 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.90 | 330 | 35744 | 7.59 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.05 | 172 | 123215 | 3.44 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.76 | 244 | 202486 | 4.02 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.35 | 88 | 14668 | 3.26 | ng | | 94 |
| 3) n-Nitrosodimethylamine | 3.64 | 42 | 22129 | 3.54 | ng | # | 93 |
| 6) bis(2-Chloroethyl)ether | 7.23 | 93 | 39556 | 3.52 | ng | # | 75 |
| 9) Nitrobenzene | 8.99 | 77 | 44814 | 3.10 | ng | | 94 |
| 10) Naphthalene | 10.63 | 128 | 141835 | 3.40 | ng | | 98 |
| 11) Hexachlorobutadiene | 10.92 | 225 | 23141 | 3.77 | ng | | 98 |
| 12) 2-Methylnaphthalene | 12.24 | 142 | 103598 | 3.89 | ng | | 99 |
| 16) Acenaphthylene | 14.14 | 152 | 186106 | 3.72 | ng | # | 86 |
| 17) Acenaphthene | 14.47 | 154 | 116482 | 3.68 | ng | | 95 |
| 18) Fluorene | 15.46 | 166 | 148997 | 3.77 | ng | | 98 |
| 20) 4-Bromophenyl-phenylether | 16.34 | 248 | 41645 | 3.78 | ng | | 95 |
| 21) Hexachlorobenzene | 16.46 | 284 | 43413m | 3.80 | ng | | |
| 22) Pentachlorophenol | 16.79 | 266 | 46595 | 7.82 | ng | # | 88 |
| 23) Phenanthrene | 17.20 | 178 | 269772 | 3.79 | ng | | 99 |
| 24) Anthracene | 17.29 | 178 | 257608 | 4.08 | ng | | 98 |
| 25) Fluoranthene | 19.20 | 202 | 298486 | 3.96 | ng | | 97 |
| 27) Benzidine | 19.38 | 184 | 127825 | 3.35 | ng | # | 75 |
| 28) Pyrene | 19.55 | 202 | 329663 | 4.09 | ng | | 99 |
| 30) Benzo(a)anthracene | 21.29 | 228 | 379695m | 4.21 | ng | | |
| 31) 3,3'-Dichlorobenzidine | 21.24 | 252 | 65671 | 1.13 | ng | # | 72 |
| 32) Chrysene | 21.33 | 228 | 309491m | 3.78 | ng | | |
| 33) Bis(2-ethylhexyl)phthalate | 21.22 | 149 | 140586 | 2.35 | ng | # | 81 |
| 34) Indeno(1,2,3-cd)pyrene | 26.32 | 276 | 348198 | 3.81 | ng | | 97 |
| 36) Benzo(b)fluoranthene | 23.01 | 252 | 343745 | 4.25 | ng | # | 95 |
| 37) Benzo(k)fluoranthene | 23.06 | 252 | 310457m | 3.89 | ng | | |
| 38) Benzo(a)pyrene | 23.65 | 252 | 304371 | 4.05 | ng | # | 97 |
| 39) Dibenzo(a,h)anthracene | 26.34 | 278 | 291596 | 3.94 | ng | | 96 |
| 40) Benzo(g,h,i)perylene | 27.10 | 276 | 296497 | 3.89 | ng | | 96 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041216\
Data File : BE091647.D
Acq On : 12 Apr 2016 11:50
Operator : UM/SJ
Sample : PB89409BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB89409BS

Quant Time: Apr 13 01:15:46 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 16:48:14 2016
Response via : Initial Calibration