# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\
Data File : BG025362.D
Acq On : 21 Dec 2016 18:06
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG122116

Quant Time: Dec 21 18:45:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 18:42:01 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 | | 1,4-Dioxane | 0.469 | 0.427 | 9.0 | 90 | 0.00 |
| 3 | | Pyridine | 1.361 | 1.317 | 3.2 | 88 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.808 | 0.762 | 5.7 | 87 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.100 | 1.052 | 4.4 | 93 | 0.00 |
| 6 | | Aniline | 2.100 | 1.977 | 5.9 | 90 | 0.00 |
| 7 | S | Phenol-d6 | 1.550 | 1.511 | 2.5 | 90 | 0.00 |
| 8 | | 2-Chlorophenol | 1.241 | 1.192 | 3.9 | 92 | 0.00 |
| 9 | | Benzaldehyde | 1.134 | 1.002 | 11.6 | 87 | 0.00 |
| 10 | C | Phenol | 1.718 | 1.618 | 5.8 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.324 | 1.241 | 6.3 | 90 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.502 | 1.458 | 2.9 | 92 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.557 | 1.400 | 10.1 | 86 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.486 | 1.415 | 4.8 | 93 | 0.00 |
| 15 | | Benzyl Alcohol | 1.479 | 1.473 | 0.4 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.451 | 2.325 | 5.1 | 90 | 0.00 |
| 17 | | 2-Methylphenol | 1.128 | 1.068 | 5.3 | 89 | 0.00 |
| 18 | | Hexachloroethane | 0.598 | 0.563 | 5.9 | 87 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.309 | 1.216 | 7.1 | 88 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.561 | 1.480 | 5.2 | 89 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 22 | | Acetophenone | 0.556 | 0.529 | 4.9 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.453 | 0.448 | 1.1 | 89 | 0.00 |
| 24 | | Nitrobenzene | 0.497 | 0.478 | 3.8 | 87 | 0.00 |
| 25 | | Isophorone | 0.820 | 0.801 | 2.3 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.190 | 0.194 | -2.1 | 91 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.312 | 0.310 | 0.6 | 89 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.426 | 0.398 | 6.6 | 89 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.334 | 0.343 | -2.7 | 93 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.404 | 0.378 | 6.4 | 87 | 0.00 |
| 31 | | Naphthalene | 0.999 | 0.970 | 2.9 | 88 | 0.00 |
| 32 | | Benzoic acid | 0.251 | 0.246 | 2.0 | 87 | -0.02 |
| 33 | | 4-Chloroaniline | 0.420 | 0.421 | -0.2 | 87 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.329 | 0.317 | 3.6 | 88 | 0.00 |
| 35 | | Caprolactam | 0.126 | 0.115 | 8.7 | 83 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.412 | 0.409 | 0.7 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.740 | 0.723 | 2.3 | 88 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.660 | 0.669 | -1.4 | 91 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.192 | 0.195 | -1.6 | 84 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.322 | 0.313 | 2.8 | 85 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.416 | 0.415 | 0.2 | 89 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.435 | 0.425 | 2.3 | 87 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.235 | 1.211 | 1.9 | 89 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\
Data File : BG025362.D
Acq On : 21 Dec 2016 18:06
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG122116

Quant Time: Dec 21 18:45:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 18:42:01 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.345 | 1.319 | 1.9 | 88 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.051 | 1.012 | 3.7 | 88 | 0.00 |
| 47 | | 2-Nitroaniline | 0.444 | 0.447 | -0.7 | 88 | 0.00 |
| 48 | | Acenaphthylene | 1.629 | 1.563 | 4.1 | 87 | 0.00 |
| 49 | | Dimethylphthalate | 1.458 | 1.432 | 1.8 | 87 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.319 | 0.299 | 6.3 | 84 | 0.00 |
| 51 | C | Acenaphthene | 1.065 | 1.051 | 1.3 | 89 | 0.00 |
| 52 | | 3-Nitroaniline | 0.306 | 0.299 | 2.3 | 85 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.183 | 0.190 | -3.8 | 87 | 0.00 |
| 54 | | Dibenzofuran | 1.684 | 1.632 | 3.1 | 87 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.229 | 0.225 | 1.7 | 84 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.464 | 0.464 | 0.0 | 88 | 0.00 |
| 57 | | Fluorene | 1.410 | 1.350 | 4.3 | 87 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.466 | 0.439 | 5.8 | 85 | 0.00 |
| 59 | | Diethylphthalate | 1.529 | 1.478 | 3.3 | 87 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.799 | 0.771 | 3.5 | 87 | 0.00 |
| 61 | | 4-Nitroaniline | 0.308 | 0.332 | -7.8 | 87 | 0.00 |
| 62 | | Azobenzene | 1.475 | 1.463 | 0.8 | 88 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.139 | 0.147 | -5.8 | 85 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.541 | 0.528 | 2.4 | 85 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.247 | 0.251 | -1.6 | 88 | 0.00 |
| 67 | | Hexachlorobenzene | 0.283 | 0.281 | 0.7 | 88 | 0.00 |
| 68 | | Atrazine | 0.237 | 0.228 | 3.8 | 84 | 0.00 |
| 69 | C | Pentachlorophenol | 0.147 | 0.143 | 2.7 | 81 | 0.00 |
| 70 | | Phenanthrene | 1.031 | 1.024 | 0.7 | 87 | 0.00 |
| 71 | | Anthracene | 1.047 | 1.023 | 2.3 | 86 | 0.00 |
| 72 | | Carbazole | 0.937 | 0.931 | 0.6 | 87 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.152 | 1.138 | 1.2 | 87 | 0.00 |
| 74 | C | Fluoranthene | 1.361 | 1.368 | -0.5 | 89 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 76 | | Benzidine | 0.499 | 0.423 | 15.2 | 79 | 0.00 |
| 77 | | Pyrene | 1.045 | 1.026 | 1.8 | 89 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.754 | 0.737 | 2.3 | 90 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.420 | 0.421 | -0.2 | 95 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.116 | 1.111 | 0.4 | 92 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.433 | 0.419 | 3.2 | 89 | 0.00 |
| 82 | | Chrysene | 1.070 | 1.060 | 0.9 | 93 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.584 | 0.591 | -1.2 | 95 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 0.970 | 0.991 | -2.2 | 95 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.360 | 1.374 | -1.0 | 93 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.091 | 1.059 | 2.9 | 92 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122116\
Data File : BG025362.D
Acq On : 21 Dec 2016 18:06
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG122116

Quant Time: Dec 21 18:45:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 18:42:01 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.054 | 1.047 | 0.7 | 93 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.054 | 1.043 | 1.0 | 93 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.117 | 1.105 | 1.1 | 92 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.110 | 1.096 | 1.3 | 94 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0