# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021159.D
Acq On : 29 Feb 2016 17:34
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG022916

Quant Time: Feb 29 18:12:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 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 | 69 | 0.00 |
| 2 | | 1,4-Dioxane | 0.565 | 0.604 | -6.9 | 78 | 0.00 |
| 3 | | Pyridine | 1.786 | 1.976 | -10.6 | 71 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.900 | 0.897 | 0.3 | 65 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.258 | 1.289 | -2.5 | 70 | 0.00 |
| 6 | | Aniline | 2.742 | 3.000 | -9.4 | 73 | 0.00 |
| 7 | S | Phenol-d6 | 2.069 | 2.236 | -8.1 | 72 | 0.00 |
| 8 | | 2-Chlorophenol | 1.542 | 1.626 | -5.4 | 71 | 0.00 |
| 9 | | Benzaldehyde | 1.292 | 1.507 | -16.6 | 85 | 0.00 |
| 10 | C | Phenol | 2.205 | 2.426 | -10.0 | 74 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.700 | 1.825 | -7.4 | 70 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.581 | 1.601 | -1.3 | 68 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.628 | 1.682 | -3.3 | 71 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.553 | 1.619 | -4.2 | 69 | 0.00 |
| 15 | | Benzyl Alcohol | 1.889 | 2.238 | -18.5 | 78 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.934 | 2.988 | -1.8 | 69 | 0.00 |
| 17 | | 2-Methylphenol | 1.526 | 1.703 | -11.6 | 75 | 0.00 |
| 18 | | Hexachloroethane | 0.682 | 0.704 | -3.2 | 70 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.911 | 2.084 | -9.1 | 73 | 0.00 |
| 20 | | 3+4-Methylphenols | 2.161 | 2.362 | -9.3 | 74 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 72 | 0.00 |
| 22 | | Acetophenone | 0.595 | 0.586 | 1.5 | 70 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.473 | 0.487 | -3.0 | 72 | 0.00 |
| 24 | | Nitrobenzene | 0.516 | 0.519 | -0.6 | 72 | 0.00 |
| 25 | | Isophorone | 1.024 | 1.033 | -0.9 | 72 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.188 | 0.193 | -2.7 | 73 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.337 | 0.356 | -5.6 | 75 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.476 | 0.500 | -5.0 | 76 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.304 | 0.315 | -3.6 | 75 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.306 | 0.302 | 1.3 | 71 | 0.00 |
| 31 | | Naphthalene | 1.043 | 1.048 | -0.5 | 73 | 0.00 |
| 32 | | Benzoic acid | 0.261 | 0.260 | 0.4 | 68 | -0.03 |
| 33 | | 4-Chloroaniline | 0.481 | 0.515 | -7.1 | 77 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.186 | 0.182 | 2.2 | 69 | 0.00 |
| 35 | | Caprolactam | 0.148 | 0.163 | -10.1 | 79 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.461 | 0.483 | -4.8 | 76 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.742 | 0.802 | -8.1 | 78 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.601 | 0.580 | 3.5 | 70 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.329 | 0.359 | -9.1 | 76 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.208 | 0.215 | -3.4 | 76 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.451 | 0.444 | 1.6 | 74 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.482 | 0.496 | -2.9 | 76 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.408 | 1.416 | -0.6 | 74 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021159.D
Acq On : 29 Feb 2016 17:34
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG022916

Quant Time: Feb 29 18:12:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 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 | 1.645 | 1.596 | 3.0 | 72 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.235 | 1.234 | 0.1 | 73 | 0.00 |
| 47 | | 2-Nitroaniline | 0.602 | 0.634 | -5.3 | 78 | 0.00 |
| 48 | | Acenaphthylene | 2.090 | 2.100 | -0.5 | 74 | 0.00 |
| 49 | | Dimethylphthalate | 1.782 | 1.774 | 0.4 | 74 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.373 | 0.393 | -5.4 | 78 | 0.00 |
| 51 | C | Acenaphthene | 1.327 | 1.365 | -2.9 | 74 | 0.00 |
| 52 | | 3-Nitroaniline | 0.414 | 0.441 | -6.5 | 79 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.173 | 0.210 | -21.4 | 77 | 0.00 |
| 54 | | Dibenzofuran | 1.772 | 1.963 | -10.8 | 83 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.343 | 0.375 | -9.3 | 79 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.537 | 0.566 | -5.4 | 77 | 0.00 |
| 57 | | Fluorene | 1.689 | 1.720 | -1.8 | 75 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.386 | 0.435 | -12.7 | 84 | 0.00 |
| 59 | | Diethylphthalate | 1.970 | 1.961 | 0.5 | 75 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.843 | 0.839 | 0.5 | 74 | 0.00 |
| 61 | | 4-Nitroaniline | 0.442 | 0.489 | -10.6 | 81 | 0.00 |
| 62 | | Azobenzene | 2.116 | 2.329 | -10.1 | 82 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.128 | 0.132 | -3.1 | 75 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.615 | 0.623 | -1.3 | 78 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.209 | 0.202 | 3.3 | 74 | 0.00 |
| 67 | | Hexachlorobenzene | 0.203 | 0.203 | 0.0 | 77 | 0.00 |
| 68 | | Atrazine | 0.211 | 0.182 | 13.7 | 67 | 0.00 |
| 69 | C | Pentachlorophenol | 0.133 | 0.134 | -0.8 | 75 | 0.00 |
| 70 | | Phenanthrene | 1.079 | 1.088 | -0.8 | 78 | 0.00 |
| 71 | | Anthracene | 1.104 | 1.120 | -1.4 | 79 | 0.00 |
| 72 | | Carbazole | 0.979 | 1.040 | -6.2 | 83 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.377 | 1.399 | -1.6 | 78 | 0.00 |
| 74 | C | Fluoranthene | 1.268 | 1.299 | -2.4 | 79 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 76 | | Benzidine | 0.560 | 0.569 | -1.6 | 78 | 0.00 |
| 77 | | Pyrene | 1.193 | 1.232 | -3.3 | 82 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.826 | 0.847 | -2.5 | 80 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.609 | 0.604 | 0.8 | 77 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.184 | 1.193 | -0.8 | 79 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.448 | 0.461 | -2.9 | 80 | 0.00 |
| 82 | | Chrysene | 1.122 | 1.084 | 3.4 | 76 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.892 | 0.893 | -0.1 | 78 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.486 | 1.522 | -2.4 | 79 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.287 | 1.248 | 3.0 | 79 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.258 | 1.310 | -4.1 | 81 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021159.D
Acq On : 29 Feb 2016 17:34
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG022916

Quant Time: Feb 29 18:12:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 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 | 1.260 | 1.266 | -0.5 | 79 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.216 | 1.242 | -2.1 | 81 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.203 | 1.169 | 2.8 | 78 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.162 | 1.128 | 2.9 | 79 | 0.00 |

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