# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081616\
Data File : BG023730.D
Acq On : 16 Aug 2016 15:49
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Aug 17 01:10:15 2016
Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 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 | 50 | -0.01 |
| 2 | | 1,4-Dioxane | 0.506 | 0.434 | 14.2 | 47# | -0.03 |
| 3 | | Pyridine | 1.664 | 1.491 | 10.4 | 46# | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.617 | 0.636 | -3.1 | 55 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.188 | 1.207 | -1.6 | 54 | -0.02 |
| 6 | | Aniline | 2.674 | 2.346 | 12.3 | 46# | -0.02 |
| 7 | S | Phenol-d6 | 1.851 | 1.884 | -1.8 | 54 | -0.01 |
| 8 | | 2-Chlorophenol | 1.365 | 1.331 | 2.5 | 52 | -0.01 |
| 9 | | Benzaldehyde | 1.096 | 1.049 | 4.3 | 51 | -0.01 |
| 10 | C | Phenol | 1.980 | 1.883 | 4.9 | 50 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.579 | 1.484 | 6.0 | 50 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.563 | 1.513 | 3.2 | 51 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.600 | 1.520 | 5.0 | 51 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.569 | 1.462 | 6.8 | 51 | -0.02 |
| 15 | | Benzyl Alcohol | 1.402 | 1.518 | -8.3 | 56 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.322 | 2.137 | 8.0 | 49# | -0.03 |
| 17 | | 2-Methylphenol | 1.327 | 1.292 | 2.6 | 52 | -0.01 |
| 18 | | Hexachloroethane | 0.602 | 0.601 | 0.2 | 54 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.592 | 1.517 | 4.7 | 50 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.871 | 1.809 | 3.3 | 51 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 49# | 0.00 |
| 22 | | Acetophenone | 0.548 | 0.539 | 1.6 | 51 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.402 | 0.409 | -1.7 | 52 | 0.00 |
| 24 | | Nitrobenzene | 0.445 | 0.472 | -6.1 | 54 | 0.00 |
| 25 | | Isophorone | 0.838 | 0.875 | -4.4 | 53 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.188 | 0.199 | -5.9 | 53 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.320 | 0.305 | 4.7 | 47# | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.504 | 0.448 | 11.1 | 46# | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.322 | 0.322 | 0.0 | 50# | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.347 | 0.344 | 0.9 | 51 | 0.00 |
| 31 | | Naphthalene | 1.018 | 0.976 | 4.1 | 50 | 0.00 |
| 32 | | Benzoic acid | 0.265 | 0.190 | 28.3# | 33# | -0.02 |
| 33 | | 4-Chloroaniline | 0.487 | 0.437 | 10.3 | 46# | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.228 | 0.239 | -4.8 | 55 | -0.01 |
| 35 | | Caprolactam | 0.135 | 0.134 | 0.7 | 48# | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.423 | 0.410 | 3.1 | 50# | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.774 | 0.726 | 6.2 | 49# | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 48# | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.725 | 0.741 | -2.2 | 51 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.366 | 0.512 | -39.9# | 61 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.293 | 0.294 | -0.3 | 49# | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.432 | 0.431 | 0.2 | 48# | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.445 | 0.452 | -1.6 | 49# | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.186 | 1.233 | -4.0 | 54 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081616\
Data File : BG023730.D
Acq On : 16 Aug 2016 15:49
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Aug 17 01:10:15 2016
Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 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 | 1.529 | 1.533 | -0.3 | 50 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.183 | 1.170 | 1.1 | 49# | 0.00 |
| 47 | | 2-Nitroaniline | 0.491 | 0.486 | 1.0 | 47# | 0.00 |
| 48 | | Acenaphthylene | 1.870 | 1.880 | -0.5 | 51 | 0.00 |
| 49 | | Dimethylphthalate | 1.534 | 1.648 | -7.4 | 54 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.363 | 0.363 | 0.0 | 49# | 0.00 |
| 51 | C | Acenaphthene | 1.184 | 1.167 | 1.4 | 49# | 0.00 |
| 52 | | 3-Nitroaniline | 0.410 | 0.369 | 10.0 | 43# | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.233 | 0.295 | -26.6# | 59 | 0.01 |
| 54 | | Dibenzofuran | 1.720 | 1.707 | 0.8 | 50 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.322 | 0.475 | -47.5# | 70 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.510 | 0.534 | -4.7 | 51 | 0.00 |
| 57 | | Fluorene | 1.501 | 1.503 | -0.1 | 51 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.408 | 0.397 | 2.7 | 47# | 0.00 |
| 59 | | Diethylphthalate | 1.558 | 1.677 | -7.6 | 54 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.794 | 0.793 | 0.1 | 50 | 0.00 |
| 61 | | 4-Nitroaniline | 0.436 | 0.407 | 6.7 | 45# | 0.00 |
| 62 | | Azobenzene | 1.579 | 1.597 | -1.1 | 50 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 49# | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.136 | 0.129 | 5.1 | 44# | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.587 | 0.553 | 5.8 | 47# | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.233 | 0.225 | 3.4 | 48# | 0.00 |
| 67 | | Hexachlorobenzene | 0.255 | 0.241 | 5.5 | 48# | 0.00 |
| 68 | | Atrazine | 0.225 | 0.229 | -1.8 | 49# | 0.00 |
| 69 | C | Pentachlorophenol | 0.149 | 0.167 | -12.1 | 48# | 0.00 |
| 70 | | Phenanthrene | 1.015 | 0.986 | 2.9 | 52 | 0.00 |
| 71 | | Anthracene | 1.021 | 1.001 | 2.0 | 53 | 0.00 |
| 72 | | Carbazole | 0.896 | 0.918 | -2.5 | 52 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.021 | 1.130 | -10.7 | 58 | 0.00 |
| 74 | C | Fluoranthene | 1.086 | 1.153 | -6.2 | 57 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 61 | 0.00 |
| 76 | | Benzidine | 0.556 | 0.526 | 5.4 | 54 | 0.00 |
| 77 | | Pyrene | 1.239 | 1.106 | 10.7 | 57 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.733 | 0.686 | 6.4 | 65 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.482 | 0.502 | -4.1 | 64 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.104 | 1.069 | 3.2 | 62 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.453 | 0.452 | 0.2 | 62 | 0.00 |
| 82 | | Chrysene | 1.050 | 1.019 | 3.0 | 64 | 0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.659 | 0.708 | -7.4 | 67 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.126 | 1.186 | -5.3 | 66 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.312 | 1.251 | 4.6 | 60 | 0.07 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 58 | 0.03 |
| 87 | | Benzo(b)fluoranthene | 1.125 | 1.087 | 3.4 | 59 | 0.03 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081616\
Data File : BG023730.D
Acq On : 16 Aug 2016 15:49
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Aug 17 01:10:15 2016
Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 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 | 1.081 | 1.071 | 0.9 | 60 | 0.03 |
| 89 C | Benzo(a)pyrene | 1.070 | 1.056 | 1.3 | 60 | 0.03 |
| 90 | Dibenzo(a,h)anthracene | 1.093 | 1.075 | 1.6 | 59 | 0.06 |
| 91 | Benzo(g,h,i)perylene | 1.101 | 1.036 | 5.9 | 57 | 0.09 |

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