# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA G\Data\BG121417\
Data File : BG031561.D
Acq On : 14 Dec 2017 16:40
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 15 10:18:22 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
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 | 153# | -0.01 |
| 2 | | 1,4-Dioxane | 0.538 | 0.500 | 7.1 | 145 | -0.01 |
| 3 | | Pyridine | 1.417 | 1.396 | 1.5 | 143 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.668 | 0.654 | 2.1 | 142 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.128 | 1.169 | -3.6 | 151# | -0.01 |
| 6 | | Aniline | 2.063 | 1.998 | 3.2 | 144 | -0.01 |
| 7 | S | Phenol-d6 | 1.566 | 1.553 | 0.8 | 146 | 0.00 |
| 8 | | 2-Chlorophenol | 1.259 | 1.279 | -1.6 | 150 | 0.00 |
| 9 | | Benzaldehyde | 0.908 | 0.864 | 4.8 | 142 | -0.01 |
| 10 | C | Phenol | 1.609 | 1.591 | 1.1 | 144 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.313 | 1.309 | 0.3 | 146 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.497 | 1.501 | -0.3 | 151# | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.556 | 1.535 | 1.3 | 149 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.482 | 1.471 | 0.7 | 152# | -0.01 |
| 15 | | Benzyl Alcohol | 1.225 | 1.163 | 5.1 | 142 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.475 | 1.338 | 9.3 | 137 | -0.01 |
| 17 | | 2-Methylphenol | 1.097 | 1.070 | 2.5 | 143 | -0.01 |
| 18 | | Hexachloroethane | 0.524 | 0.540 | -3.1 | 155# | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.233 | 1.121 | 9.1 | 136 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.634 | 1.534 | 6.1 | 142 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 140 | 0.00 |
| 22 | | Acetophenone | 0.480 | 0.500 | -4.2 | 140 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.324 | 0.342 | -5.6 | 141 | 0.00 |
| 24 | | Nitrobenzene | 0.333 | 0.345 | -3.6 | 138 | 0.00 |
| 25 | | Isophorone | 0.613 | 0.638 | -4.1 | 136 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.164 | 0.184 | -12.2 | 150 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.250 | 0.270 | -8.0 | 142 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.396 | 0.419 | -5.8 | 142 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.294 | 0.323 | -9.9 | 142 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.376 | 0.391 | -4.0 | 145 | -0.01 |
| 31 | | Naphthalene | 0.983 | 0.969 | 1.4 | 137 | -0.01 |
| 32 | | Benzoic acid | 0.132 | 0.107 | 18.9 | 113 | -0.01 |
| 33 | | 4-Chloroaniline | 0.427 | 0.429 | -0.5 | 136 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.249 | 0.262 | -5.2 | 150 | -0.01 |
| 35 | | Caprolactam | 0.116 | 0.113 | 2.6 | 131 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.336 | 0.334 | 0.6 | 135 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.761 | 0.752 | 1.2 | 135 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 132 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.782 | 0.831 | -6.3 | 136 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.182 | 0.160 | 12.1 | 110 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.234 | 0.259 | -10.7 | 138 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.399 | 0.442 | -10.8 | 135 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.430 | 0.484 | -12.6 | 137 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.363 | 1.405 | -3.1 | 133 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA G\Data\BG121417\
Data File : BG031561.D
Acq On : 14 Dec 2017 16:40
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 15 10:18:22 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
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 | 1.643 | 1.689 | -2.8 | 132 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.202 | 1.223 | -1.7 | 131 | 0.00 |
| 47 | | 2-Nitroaniline | 0.338 | 0.344 | -1.8 | 128 | 0.00 |
| 48 | | Acenaphthylene | 1.935 | 1.920 | 0.8 | 127 | 0.00 |
| 49 | | Dimethylphthalate | 1.656 | 1.671 | -0.9 | 129 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.354 | 0.370 | -4.5 | 132 | 0.00 |
| 51 | C | Acenaphthene | 1.223 | 1.228 | -0.4 | 130 | 0.00 |
| 52 | | 3-Nitroaniline | 0.361 | 0.367 | -1.7 | 130 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.116 | 0.096 | 17.2 | 100 | 0.00 |
| 54 | | Dibenzofuran | 1.952 | 1.916 | 1.8 | 128 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.222 | 0.238 | -7.2 | 132 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.503 | 0.512 | -1.8 | 129 | 0.00 |
| 57 | | Fluorene | 1.564 | 1.551 | 0.8 | 128 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.404 | 0.455 | -12.6 | 136 | 0.00 |
| 59 | | Diethylphthalate | 1.660 | 1.664 | -0.2 | 128 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.957 | 0.935 | 2.3 | 126 | 0.00 |
| 61 | | 4-Nitroaniline | 0.379 | 0.386 | -1.8 | 130 | 0.00 |
| 62 | | Azobenzene | 1.375 | 1.291 | 6.1 | 119 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.112 | 0.115 | -2.7 | 122 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.585 | 0.611 | -4.4 | 127 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.233 | 0.244 | -4.7 | 129 | 0.00 |
| 67 | | Hexachlorobenzene | 0.240 | 0.250 | -4.2 | 130 | 0.00 |
| 68 | | Atrazine | 0.214 | 0.238 | -11.2 | 133 | 0.00 |
| 69 | C | Pentachlorophenol | 0.100 | 0.105 | -5.0 | 123 | 0.00 |
| 70 | | Phenanthrene | 1.045 | 1.036 | 0.9 | 124 | 0.00 |
| 71 | | Anthracene | 1.033 | 1.050 | -1.6 | 125 | 0.00 |
| 72 | | Carbazole | 0.935 | 0.976 | -4.4 | 128 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.080 | 1.149 | -6.4 | 129 | 0.00 |
| 74 | C | Fluoranthene | 1.307 | 1.335 | -2.1 | 127 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 127 | 0.00 |
| 76 | | Benzidine | 0.465 | 0.537 | -15.5 | 136 | 0.00 |
| 77 | | Pyrene | 1.243 | 1.262 | -1.5 | 125 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.879 | 0.880 | -0.1 | 125 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.436 | 0.502 | -15.1 | 136 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.207 | 1.237 | -2.5 | 128 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.420 | 0.474 | -12.9 | 134 | 0.00 |
| 82 | | Chrysene | 1.157 | 1.161 | -0.3 | 125 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.627 | 0.696 | -11.0 | 133 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.035 | 1.120 | -8.2 | 128 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.237 | 1.164 | 5.9 | 115 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.196 | 1.260 | -5.4 | 125 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA G\Data\BG121417\
Data File : BG031561.D
Acq On : 14 Dec 2017 16:40
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 15 10:18:22 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
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 | 1.220 | 1.246 | -2.1 | 121 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.134 | 1.176 | -3.7 | 122 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.085 | 1.052 | 3.0 | 114 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.066 | 1.024 | 3.9 | 113 | -0.01 |

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