# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090415\
Data File : BF081456.D
Acq On : 5 Sep 2015 10:42
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Sep 07 02:47:21 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 17:35:35 2015
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 117 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 40.248 | -0.6 | 120 | -0.06 |
| 3 | | Pyridine | 40.000 | 44.120 | -10.3 | 112 | -0.07 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.066 | -2.7 | 114 | -0.06 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.987 | -2.5 | 126 | -0.03 |
| 6 | | Aniline | 40.000 | 40.936 | -2.3 | 120 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 79.985 | 0.0 | 115 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 42.235 | -5.6 | 124 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 39.274 | 1.8 | 115 | -0.02 |
| 10 | C | Phenol | 40.000 | 41.153 | -2.9 | 109 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.981 | 2.5 | 114 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.589 | -4.0 | 124 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.416 | -1.0 | 119 | -0.03 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.789 | 3.0 | 116 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 39.517 | 1.2 | 109 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.811 | -4.5 | 128 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 42.475 | -6.2 | 122 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 39.462 | 1.3 | 115 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.107 | -5.3 | 129 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.916 | 0.2 | 118 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 123 | -0.02 |
| 22 | | Acetophenone | 40.000 | 39.553 | 1.1 | 118 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 85.795 | -7.2 | 129 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 36.934 | 7.7 | 108 | -0.03 |
| 25 | | Isophorone | 40.000 | 40.250 | -0.6 | 125 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.668 | -4.2 | 134 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.732 | -6.8 | 117 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.145 | 2.1 | 107 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.687 | -4.2 | 124 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.275 | -3.2 | 120 | -0.03 |
| 31 | | Naphthalene | 40.000 | 37.966 | 5.1 | 116 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 32.144 | 19.6 | 91 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 36.332 | 9.2 | 98 | -0.03 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.178 | -5.4 | 135 | -0.02 |
| 35 | | Caprolactam | 40.000 | 42.724 | -6.8 | 125 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.129 | -0.3 | 123 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.847 | -4.6 | 138 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 125 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.618 | 8.5 | 112 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 34.679 | 13.3 | 107 | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 80.298 | -0.4 | 120 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 36.983 | 7.5 | 118 | -0.03 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.997 | 0.0 | 122 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.932 | 8.8 | 109 | -0.03 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090415\
Data File : BF081456.D
Acq On : 5 Sep 2015 10:42
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Sep 07 02:47:21 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 17:35:35 2015
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.397 | -1.0 | 141 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 35.069 | 12.3 | 103 | -0.03 |
| 47 | | 2-Nitroaniline | 40.000 | 43.290 | -8.2 | 131 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 39.199 | 2.0 | 135 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 40.593 | -1.5 | 132 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.468 | 6.3 | 111 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 41.053 | -2.6 | 144 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 39.751 | 0.6 | 123 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 37.400 | 6.5 | 110 | -0.03 |
| 54 | | Dibenzofuran | 40.000 | 39.070 | 2.3 | 134 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.219 | 14.5 | 92 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 35.257 | 11.9 | 110 | -0.03 |
| 57 | | Fluorene | 40.000 | 35.441 | 11.4 | 105 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.932 | -4.8 | 136 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 35.727 | 10.7 | 112 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.428 | -3.6 | 135 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 33.335 | 16.7 | 111 | -0.02 |
| 62 | | Azobenzene | 40.000 | 35.532 | 11.2 | 105 | -0.03 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 125 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.784 | -9.5 | 119 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.181 | 9.5 | 113 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.233 | -5.6 | 148 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 40.668 | -1.7 | 136 | -0.02 |
| 68 | | Atrazine | 40.000 | 40.293 | -0.7 | 130 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 45.136 | -12.8 | 159 | -0.03 |
| 70 | | Phenanthrene | 40.000 | 38.351 | 4.1 | 116 | -0.03 |
| 71 | | Anthracene | 40.000 | 37.743 | 5.6 | 122 | -0.02 |
| 72 | | Carbazole | 40.000 | 39.127 | 2.2 | 131 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 42.082 | -5.2 | 140 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 36.630 | 8.4 | 122 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 109 | -0.03 |
| 76 | | Benzidine | 40.000 | 31.843 | 20.4 | 99 | -0.02 |
| 77 | | Pyrene | 40.000 | 43.312 | -8.3 | 122 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 76.172 | 4.8 | 126 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.527 | -11.3 | 133 | -0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.205 | 4.5 | 107 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 33.683 | 15.8 | 105 | -0.03 |
| 82 | | Chrysene | 40.000 | 34.930 | 12.7 | 121 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.802 | 3.0 | 122 | -0.03 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 36.458 | 8.9 | 112 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.227 | -5.6 | 126 | -0.05 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 114 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 42.609 | -6.5 | 99 | -0.03 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090415\
Data File : BF081456.D
Acq On : 5 Sep 2015 10:42
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Sep 07 02:47:21 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 17:35:35 2015
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 35.824 | 10.4 | 123 | -0.03 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.580 | 6.1 | 113 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 43.922 | -9.8 | 125 | -0.06 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 44.377 | -10.9 | 129 | -0.05 |

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