# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080447.D
Acq On : 14 Jul 2015 4:14
Operator : TP/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 14 07:20:39 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 14 00:52:37 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 | 77 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 38.386 | 4.0 | 71 | -0.07 |
| 3 | | Pyridine | 40.000 | 41.670 | -4.2 | 80 | -0.13 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 45.426 | -13.6 | 84 | -0.07 |
| 5 | S | 2-Fluorophenol | 80.000 | 85.126 | -6.4 | 78 | -0.02 |
| 6 | | Aniline | 40.000 | 46.505 | -16.3 | 90 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 83.731 | -4.7 | 80 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 38.913 | 2.7 | 71 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 39.861 | 0.3 | 75 | -0.01 |
| 10 | C | Phenol | 40.000 | 42.955 | -7.4 | 82 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.077 | 4.8 | 72 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 43.052 | -7.6 | 84 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.952 | -7.4 | 82 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.473 | 1.3 | 76 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 39.172 | 2.1 | 74 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 46.925 | -17.3 | 88 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 37.520 | 6.2 | 67 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 42.187 | -5.5 | 78 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 43.223 | -8.1 | 84 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.035 | -7.6 | 78 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 80 | -0.01 |
| 22 | | Acetophenone | 40.000 | 39.444 | 1.4 | 73 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 89.789 | -12.2 | 88 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 40.431 | -1.1 | 73 | -0.01 |
| 25 | | Isophorone | 40.000 | 45.776 | -14.4 | 89 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.625 | 5.9 | 70 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 44.722 | -11.8 | 87 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 43.777 | -9.4 | 83 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 45.107 | -12.8 | 84 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.696 | 0.8 | 76 | -0.01 |
| 31 | | Naphthalene | 40.000 | 41.311 | -3.3 | 83 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 38.877 | 2.8 | 77 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 47.080 | -17.7 | 87 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.202 | 2.0 | 77 | -0.01 |
| 35 | | Caprolactam | 40.000 | 42.408 | -6.0 | 85 | -0.04 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 46.109 | -15.3 | 86 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.445 | 3.9 | 74 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 79 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.475 | 1.3 | 75 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 38.066 | 4.8 | 73 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 70.842 | 11.4 | 63 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.009 | -2.5 | 75 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 43.482 | -8.7 | 81 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 81.419 | -1.8 | 80 | -0.01 |

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Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 14 07:20:39 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 14 00:52:37 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 | 40.375 | -0.9 | 78 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.965 | 2.6 | 74 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 37.683 | 5.8 | 73 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 42.400 | -6.0 | 82 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 44.149 | -10.4 | 85 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.054 | 4.9 | 72 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 42.246 | -5.6 | 82 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 44.640 | -11.6 | 83 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 46.606 | -16.5 | 96 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 43.041 | -7.6 | 85 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 42.080 | -5.2 | 85 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 48.668 | -21.7 | 93 | -0.01 |
| 57 | | Fluorene | 40.000 | 42.138 | -5.3 | 83 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.971 | -7.4 | 77 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 43.306 | -8.3 | 87 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.994 | 0.0 | 77 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 42.890 | -7.2 | 85 | -0.01 |
| 62 | | Azobenzene | 40.000 | 41.449 | -3.6 | 79 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 74 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 46.153 | -15.4 | 87 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 43.066 | -7.7 | 77 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.955 | -4.9 | 76 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 40.226 | -0.6 | 75 | -0.02 |
| 68 | | Atrazine | 40.000 | 48.794 | -22.0 | 79 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 43.241 | -8.1 | 74 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 42.185 | -5.5 | 80 | -0.01 |
| 71 | | Anthracene | 40.000 | 45.004 | -12.5 | 81 | -0.02 |
| 72 | | Carbazole | 40.000 | 45.938 | -14.8 | 83 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 46.453 | -16.1 | 77 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 45.094 | -12.7 | 82 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 100 | -0.05 |
| 76 | | Benzidine | 40.000 | 51.486 | -28.7# | 125 | -0.02 |
| 77 | | Pyrene | 40.000 | 34.220 | 14.5 | 86 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 66.012 | 17.5 | 83 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 37.425 | 6.4 | 88 | -0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.374 | 1.6 | 97 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 42.915 | -7.3 | 101 | -0.05 |
| 82 | | Chrysene | 40.000 | 40.318 | -0.8 | 98 | -0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 35.682 | 10.8 | 85 | -0.06 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 37.430 | 6.4 | 89 | -0.06 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 59.729 | -49.3# | 151 | -0.09 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 120 | -0.08 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 33.819 | 15.5 | 102 | -0.07 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 14 00:52:37 2015
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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 | 43.818 | -9.5 | 133 | -0.07 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.873 | 0.3 | 122 | -0.08 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 48.373 | -20.9 | 150 | -0.10 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 51.345 | -28.4# | 159 | -0.09 |

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