# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087206.D
Acq On : 20 May 2016 2:17
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 20 04:02:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 20 03:23:56 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 72 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 37.258 | 6.9 | 67 | -0.08 |
| 3 | | Pyridine | 40.000 | 36.843 | 7.9 | 62 | -0.08 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.980 | 0.1 | 66 | -0.09 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.406 | -1.8 | 74 | -0.06 |
| 6 | | Aniline | 40.000 | 38.864 | 2.8 | 70 | -0.03 |
| 7 | S | Phenol-d6 | 80.000 | 73.335 | 8.3 | 65 | -0.05 |
| 8 | | 2-Chlorophenol | 40.000 | 39.156 | 2.1 | 70 | -0.05 |
| 9 | | Benzaldehyde | 40.000 | 36.892 | 7.8 | 71 | -0.03 |
| 10 | C | Phenol | 40.000 | 39.894 | 0.3 | 69 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.016 | 2.5 | 79 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.291 | 4.3 | 67 | -0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.039 | 4.9 | 68 | -0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.792 | 0.5 | 78 | -0.03 |
| 15 | | Benzyl Alcohol | 40.000 | 39.432 | 1.4 | 68 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.645 | 5.9 | 71 | -0.05 |
| 17 | | 2-Methylphenol | 40.000 | 36.310 | 9.2 | 65 | -0.05 |
| 18 | | Hexachloroethane | 40.000 | 37.186 | 7.0 | 66 | -0.05 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.704 | 8.2 | 63 | -0.05 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.818 | 0.5 | 69 | -0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 70 | -0.03 |
| 22 | | Acetophenone | 40.000 | 40.062 | -0.2 | 68 | -0.05 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.463 | -0.6 | 73 | -0.03 |
| 24 | | Nitrobenzene | 40.000 | 35.107 | 12.2 | 58 | -0.05 |
| 25 | | Isophorone | 40.000 | 37.340 | 6.6 | 66 | -0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.139 | 2.2 | 70 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.972 | 0.1 | 71 | -0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.086 | 7.3 | 60 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.162 | -0.4 | 72 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.720 | -1.8 | 76 | -0.03 |
| 31 | | Naphthalene | 40.000 | 39.784 | 0.5 | 72 | -0.03 |
| 32 | | Benzoic acid | 40.000 | 27.705 | 30.7# | 47 | -0.05 |
| 33 | | 4-Chloroaniline | 40.000 | 37.177 | 7.1 | 63 | -0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.732 | -4.3 | 78 | -0.03 |
| 35 | | Caprolactam | 40.000 | 39.015 | 2.5 | 67 | -0.06 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 36.833 | 7.9 | 66 | -0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.175 | 2.1 | 72 | -0.05 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 69 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.495 | -1.2 | 76 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 19.859 | 50.4# | 24 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 72.381 | 9.5 | 58 | -0.05 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.986 | 2.5 | 67 | -0.03 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 37.733 | 5.7 | 64 | -0.03 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 75.458 | 5.7 | 63 | -0.05 |

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Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 20 04:02:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 43.692 | -9.2 | 80 | -0.03 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.764 | -1.9 | 75 | -0.03 |
| 47 | | 2-Nitroaniline | 40.000 | 37.743 | 5.6 | 63 | -0.05 |
| 48 | | Acenaphthylene | 40.000 | 37.876 | 5.3 | 71 | -0.05 |
| 49 | | Dimethylphthalate | 40.000 | 38.912 | 2.7 | 68 | -0.05 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.422 | -6.1 | 68 | -0.05 |
| 51 | C | Acenaphthene | 40.000 | 37.836 | 5.4 | 74 | -0.05 |
| 52 | | 3-Nitroaniline | 40.000 | 42.381 | -6.0 | 71 | -0.05 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 19.657 | 50.9# | 27 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 38.201 | 4.5 | 73 | -0.05 |
| 55 | P | 4-Nitrophenol | 40.000 | 32.664 | 18.3 | 47 | -0.03 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 35.565 | 11.1 | 59 | -0.05 |
| 57 | | Fluorene | 40.000 | 36.157 | 9.6 | 69 | -0.05 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.331 | 6.7 | 63 | -0.05 |
| 59 | | Diethylphthalate | 40.000 | 42.701 | -6.8 | 70 | -0.05 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.564 | -1.4 | 65 | -0.05 |
| 61 | | 4-Nitroaniline | 40.000 | 38.262 | 4.3 | 58 | -0.05 |
| 62 | | Azobenzene | 40.000 | 39.797 | 0.5 | 67 | -0.05 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 64 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 25.261 | 36.8# | 38 | -0.05 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.934 | -7.3 | 66 | -0.05 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.521 | 1.2 | 69 | -0.05 |
| 67 | | Hexachlorobenzene | 40.000 | 39.465 | 1.3 | 60 | -0.05 |
| 68 | | Atrazine | 40.000 | 38.990 | 2.5 | 60 | -0.05 |
| 69 | C | Pentachlorophenol | 40.000 | 37.036 | 7.4 | 54 | -0.05 |
| 70 | | Phenanthrene | 40.000 | 39.348 | 1.6 | 61 | -0.05 |
| 71 | | Anthracene | 40.000 | 37.066 | 7.3 | 68 | -0.05 |
| 72 | | Carbazole | 40.000 | 38.472 | 3.8 | 60 | -0.05 |
| 73 | | Di-n-butylphthalate | 40.000 | 43.234 | -8.1 | 65 | -0.05 |
| 74 | C | Fluoranthene | 40.000 | 34.924 | 12.7 | 58 | -0.05 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 51 | -0.05 |
| 76 | | Benzidine | 40.000 | 57.389 | -43.5# | 62 | -0.04 |
| 77 | | Pyrene | 40.000 | 44.487 | -11.2 | 56 | -0.05 |
| 78 | S | Terphenyl-d14 | 80.000 | 83.523 | -4.4 | 60 | -0.05 |
| 79 | | Butylbenzylphthalate | 40.000 | 48.483 | -21.2 | 57 | -0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.525 | 1.2 | 54 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 46.055 | -15.1 | 61 | -0.06 |
| 82 | | Chrysene | 40.000 | 43.121 | -7.8 | 56 | -0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 47.405 | -18.5 | 60 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.796 | -7.0 | 57 | -0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 48.574 | -21.4 | 63 | -0.07 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 61 | -0.05 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 31.952 | 20.1 | 57 | -0.05 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 43.136 | -7.8 | 57 | -0.06 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.434 | 6.4 | 57 | -0.06 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 42.168 | -5.4 | 65 | -0.08 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.592 | -4.0 | 62 | -0.08 |

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