# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
Data File : BF084747.D
Acq On : 2 Feb 2016 10:44
Operator : SJ/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 03 02:28:14 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 01 14:55:11 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 | 89 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 38.413 | 4.0 | 88 | -0.05 |
| 3 | | Pyridine | 40.000 | 44.679 | -11.7 | 106 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.644 | 3.4 | 85 | -0.05 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.385 | -0.5 | 96 | -0.02 |
| 6 | | Aniline | 40.000 | 38.995 | 2.5 | 89 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 75.228 | 6.0 | 90 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 41.186 | -3.0 | 91 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 40.513 | -1.3 | 89 | -0.02 |
| 10 | C | Phenol | 40.000 | 34.696 | 13.3 | 89 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.717 | 5.7 | 92 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.155 | 4.6 | 91 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.603 | 1.0 | 93 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.612 | 3.5 | 84 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 38.884 | 2.8 | 90 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.230 | 4.4 | 91 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 40.800 | -2.0 | 87 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 38.563 | 3.6 | 86 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.181 | 4.5 | 92 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.495 | 1.3 | 90 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 90 | -0.03 |
| 22 | | Acetophenone | 40.000 | 37.885 | 5.3 | 87 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.310 | -4.1 | 92 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 35.446 | 11.4 | 88 | -0.02 |
| 25 | | Isophorone | 40.000 | 39.629 | 0.9 | 88 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.196 | -0.5 | 92 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.795 | 5.5 | 91 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.624 | 8.4 | 85 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.621 | -4.1 | 90 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.369 | 6.6 | 86 | -0.03 |
| 31 | | Naphthalene | 40.000 | 36.120 | 9.7 | 87 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 31.860 | 20.4 | 71 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 35.624 | 10.9 | 88 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.291 | -0.7 | 89 | -0.02 |
| 35 | | Caprolactam | 40.000 | 38.763 | 3.1 | 77 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 36.689 | 8.3 | 89 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.206 | -3.0 | 89 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 85 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.563 | 6.1 | 88 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 41.546 | -3.9 | 89 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.326 | -4.2 | 85 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.839 | 0.4 | 84 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.646 | 3.4 | 86 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 91.466 | -14.3 | 97 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.937 | 2.7 | 83 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.076 | 4.8 | 84 | -0.03 |
| 47 | | 2-Nitroaniline | 40.000 | 35.948 | 10.1 | 87 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 38.976 | 2.6 | 84 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 40.097 | -0.2 | 85 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.548 | -6.4 | 87 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 38.196 | 4.5 | 83 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 35.336 | 11.7 | 79 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 34.948 | 12.6 | 73 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 39.047 | 2.4 | 83 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 41.536 | -3.8 | 81 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.089 | -7.7 | 91 | -0.02 |
| 57 | | Fluorene | 40.000 | 38.724 | 3.2 | 81 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.308 | 4.2 | 92 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 38.757 | 3.1 | 86 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 42.480 | -6.2 | 88 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 42.122 | -5.3 | 93 | -0.02 |
| 62 | | Azobenzene | 40.000 | 41.532 | -3.8 | 91 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 91 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 33.786 | 15.5 | 73 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.781 | -4.5 | 88 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.303 | -5.8 | 90 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 37.040 | 7.4 | 88 | -0.02 |
| 68 | | Atrazine | 40.000 | 34.379 | 14.1 | 83 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 35.302 | 11.7 | 77 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 36.432 | 8.9 | 89 | -0.02 |
| 71 | | Anthracene | 40.000 | 41.190 | -3.0 | 88 | -0.02 |
| 72 | | Carbazole | 40.000 | 40.768 | -1.9 | 86 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 36.216 | 9.5 | 86 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 40.934 | -2.3 | 89 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 81 | -0.02 |
| 76 | | Benzidine | 40.000 | 46.373 | -15.9 | 90 | -0.02 |
| 77 | | Pyrene | 40.000 | 42.967 | -7.4 | 83 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 88.599 | -10.7 | 94 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.066 | -5.2 | 80 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.618 | -1.5 | 82 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 45.727 | -14.3 | 84 | -0.02 |
| 82 | | Chrysene | 40.000 | 41.801 | -4.5 | 82 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.256 | 1.9 | 77 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 36.998 | 7.5 | 73 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.896 | -14.7 | 95 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 89 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 42.274 | -5.7 | 93 | -0.03 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 32.412 | 19.0 | 74 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.077 | 4.8 | 84 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.055 | -2.6 | 93 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.116 | -5.3 | 95 | -0.03 |

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