# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088611.D
Acq On : 2 Jul 2016 12:18
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 03 03:08:42 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 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 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 36.418 | 9.0 | 83 | -0.06 |
| 3 | | Pyridine | 40.000 | 34.767 | 13.1 | 80 | -0.07 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.564 | 11.1 | 82 | -0.07 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.855 | 0.2 | 88 | -0.02 |
| 6 | | Aniline | 40.000 | 37.195 | 7.0 | 83 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 76.994 | 3.8 | 90 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 38.838 | 2.9 | 93 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 34.234 | 14.4 | 82 | -0.02 |
| 10 | C | Phenol | 40.000 | 37.637 | 5.9 | 83 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.750 | -1.9 | 97 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.465 | 8.8 | 89 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 36.725 | 8.2 | 87 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.223 | -0.6 | 100 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 36.614 | 8.5 | 80 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.392 | 6.5 | 84 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 37.216 | 7.0 | 83 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 39.546 | 1.1 | 90 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.353 | 6.6 | 97 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.872 | 2.8 | 93 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 86 | -0.02 |
| 22 | | Acetophenone | 40.000 | 40.033 | -0.1 | 88 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 74.955 | 6.3 | 85 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 44.781 | -12.0 | 101 | -0.02 |
| 25 | | Isophorone | 40.000 | 38.198 | 4.5 | 86 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.437 | -11.1 | 103 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.859 | 7.9 | 78 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.294 | -5.7 | 99 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.602 | -6.5 | 97 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.006 | 2.5 | 84 | -0.02 |
| 31 | | Naphthalene | 40.000 | 38.749 | 3.1 | 83 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 39.575 | 1.1 | 86 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 37.702 | 5.7 | 82 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.303 | -5.8 | 91 | -0.02 |
| 35 | | Caprolactam | 40.000 | 41.712 | -4.3 | 87 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.614 | -4.0 | 91 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.517 | 1.2 | 96 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 89 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.519 | 3.7 | 83 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 41.654 | -4.1 | 93 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 80.032 | -0.0 | 85 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.724 | -1.8 | 99 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 46.031 | -15.1 | 99 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 87.609 | -9.5 | 108 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.327 | 4.2 | 83 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.786 | 3.0 | 84 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 37.140 | 7.1 | 74 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 39.809 | 0.5 | 88 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 44.322 | -10.8 | 107 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 46.553 | -16.4 | 111 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 40.361 | -0.9 | 94 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 36.074 | 9.8 | 71 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 47.614 | -19.0 | 108 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 37.896 | 5.3 | 85 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 44.859 | -12.1 | 90 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 48.038 | -20.1 | 112 | -0.01 |
| 57 | | Fluorene | 40.000 | 36.759 | 8.1 | 78 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.008 | -10.0 | 95 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 42.184 | -5.5 | 94 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.151 | -2.9 | 100 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 46.919 | -17.3 | 113 | -0.01 |
| 62 | | Azobenzene | 40.000 | 42.291 | -5.7 | 98 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 98 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.244 | -0.6 | 89 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 34.399 | 14.0 | 81 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 36.383 | 9.0 | 91 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 38.056 | 4.9 | 93 | -0.02 |
| 68 | | Atrazine | 40.000 | 33.254 | 16.9 | 78 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 42.644 | -6.6 | 98 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 38.420 | 3.9 | 99 | -0.01 |
| 71 | | Anthracene | 40.000 | 34.674 | 13.3 | 84 | -0.02 |
| 72 | | Carbazole | 40.000 | 40.150 | -0.4 | 109 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.397 | 1.5 | 102 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 35.689 | 10.8 | 83 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 101 | -0.01 |
| 76 | | Benzidine | 40.000 | 34.525 | 13.7 | 85 | -0.02 |
| 77 | | Pyrene | 40.000 | 34.547 | 13.6 | 83 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 69.549 | 13.1 | 90 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 37.490 | 6.3 | 95 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.987 | 5.0 | 96 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 43.817 | -9.5 | 115 | -0.01 |
| 82 | | Chrysene | 40.000 | 38.702 | 3.2 | 99 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.026 | 2.4 | 93 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 43.502 | -8.8 | 105 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.474 | 3.8 | 102 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 104 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 35.805 | 10.5 | 98 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 42.723 | -6.8 | 112 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.110 | -0.3 | 104 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 37.776 | 5.6 | 101 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.228 | 6.9 | 99 | -0.03 |

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