# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062515\
Data File : BF080178.D
Acq On : 25 Jun 2015 21:05
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 26 02:31:08 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 26 01:01:50 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 | 70 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 39.164 | 2.1 | 68 | -0.06 |
| 3 | | Pyridine | 40.000 | 45.229 | -13.1 | 79 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.320 | 1.7 | 65 | -0.05 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.990 | -5.0 | 72 | -0.03 |
| 6 | | Aniline | 40.000 | 43.253 | -8.1 | 73 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 79.063 | 1.2 | 65 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 41.227 | -3.1 | 69 | -0.03 |
| 9 | | Benzaldehyde | 40.000 | 32.975 | 17.6 | 56 | -0.03 |
| 10 | C | Phenol | 40.000 | 37.047 | 7.4 | 62 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.452 | 8.9 | 62 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.051 | 2.4 | 66 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 44.475 | -11.2 | 76 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.082 | 4.8 | 65 | -0.03 |
| 15 | | Benzyl Alcohol | 40.000 | 39.318 | 1.7 | 66 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 42.991 | -7.5 | 76 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 38.138 | 4.7 | 63 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 43.050 | -7.6 | 72 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.915 | 5.2 | 69 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.626 | -4.1 | 70 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 69 | -0.03 |
| 22 | | Acetophenone | 40.000 | 41.488 | -3.7 | 67 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 89.438 | -11.8 | 75 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 40.120 | -0.3 | 67 | -0.02 |
| 25 | | Isophorone | 40.000 | 38.096 | 4.8 | 64 | -0.03 |
| 26 | C | 2-Nitrophenol | 40.000 | 48.765 | -21.9# | 82 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.826 | -4.6 | 74 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.841 | 0.4 | 67 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 44.530 | -11.3 | 74 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 46.342 | -15.9 | 79 | -0.02 |
| 31 | | Naphthalene | 40.000 | 39.985 | 0.0 | 67 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 29.967 | 25.1# | 50 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 35.497 | 11.3 | 63 | -0.03 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.275 | -0.7 | 72 | -0.02 |
| 35 | | Caprolactam | 40.000 | 43.404 | -8.5 | 69 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.872 | 5.3 | 62 | -0.03 |
| 37 | | 2-Methylnaphthalene | 40.000 | 43.865 | -9.7 | 73 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 73 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.777 | -6.9 | 76 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 38.158 | 4.6 | 69 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 80.831 | -1.0 | 71 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 45.041 | -12.6 | 78 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.646 | 3.4 | 67 | -0.03 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.569 | 9.3 | 65 | -0.03 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 36.134 | 9.7 | 65 | -0.03 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.655 | 0.9 | 69 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 38.399 | 4.0 | 64 | -0.03 |
| 48 | | Acenaphthylene | 40.000 | 41.002 | -2.5 | 70 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 39.127 | 2.2 | 71 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 39.793 | 0.5 | 65 | -0.03 |
| 51 | C | Acenaphthene | 40.000 | 38.328 | 4.2 | 67 | -0.03 |
| 52 | | 3-Nitroaniline | 40.000 | 39.755 | 0.6 | 67 | -0.03 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 43.561 | -8.9 | 80 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 38.018 | 5.0 | 67 | -0.03 |
| 55 | P | 4-Nitrophenol | 40.000 | 43.216 | -8.0 | 79 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 46.993 | -17.5 | 82 | -0.02 |
| 57 | | Fluorene | 40.000 | 39.582 | 1.0 | 70 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.058 | 4.9 | 65 | -0.03 |
| 59 | | Diethylphthalate | 40.000 | 36.523 | 8.7 | 62 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.117 | 7.2 | 67 | -0.03 |
| 61 | | 4-Nitroaniline | 40.000 | 40.686 | -1.7 | 69 | -0.02 |
| 62 | | Azobenzene | 40.000 | 38.758 | 3.1 | 66 | -0.03 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 76 | -0.05 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.733 | -9.3 | 79 | -0.03 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.008 | -0.0 | 71 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.185 | 4.5 | 69 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 36.395 | 9.0 | 66 | -0.03 |
| 68 | | Atrazine | 40.000 | 37.280 | 6.8 | 65 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 37.680 | 5.8 | 72 | -0.03 |
| 70 | | Phenanthrene | 40.000 | 39.265 | 1.8 | 73 | -0.05 |
| 71 | | Anthracene | 40.000 | 38.541 | 3.6 | 72 | -0.05 |
| 72 | | Carbazole | 40.000 | 37.947 | 5.1 | 69 | -0.05 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.378 | 6.6 | 72 | -0.07 |
| 74 | C | Fluoranthene | 40.000 | 37.842 | 5.4 | 72 | -0.11 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 72 | -0.19 |
| 76 | | Benzidine | 40.000 | 40.815 | -2.0 | 71 | -0.11 |
| 77 | | Pyrene | 40.000 | 38.905 | 2.7 | 69 | -0.13 |
| 78 | S | Terphenyl-d14 | 80.000 | 76.659 | 4.2 | 69 | -0.14 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.109 | 2.2 | 67 | -0.17 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.829 | 2.9 | 70 | -0.21 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.007 | 2.5 | 69 | -0.19 |
| 82 | | Chrysene | 40.000 | 40.015 | -0.0 | 71 | -0.21 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.504 | 6.2 | 65 | -0.21 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 37.112 | 7.2 | 65 | -0.26 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.046 | 2.4 | 70 | -0.30 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 73 | -0.27 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.702 | 0.7 | 70 | -0.27 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 37.806 | 5.5 | 69 | -0.26 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.822 | 0.4 | 72 | -0.27 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.502 | 3.7 | 70 | -0.31 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.623 | 3.4 | 70 | -0.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1