# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070815\
Data File : BF080385.D
Acq On : 8 Jul 2015 13:11
Operator : TP/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 09 00:55:47 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 09 00:53:49 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 | 114 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 39.018 | 2.5 | 110 | -0.05 |
| 3 | | Pyridine | 40.000 | 42.166 | -5.4 | 126 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.936 | -7.3 | 122 | -0.05 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.341 | -1.7 | 116 | -0.02 |
| 6 | | Aniline | 40.000 | 41.884 | -4.7 | 119 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 84.533 | -5.7 | 125 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 42.502 | -6.3 | 121 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 41.869 | -4.7 | 119 | -0.02 |
| 10 | C | Phenol | 40.000 | 43.510 | -8.8 | 129 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.141 | -0.4 | 120 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.275 | -0.7 | 114 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.306 | -3.3 | 119 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.724 | 3.2 | 111 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 39.272 | 1.8 | 108 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.563 | -8.9 | 126 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 44.485 | -11.2 | 127 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 41.567 | -3.9 | 117 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 44.603 | -11.5 | 127 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.306 | -3.3 | 115 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 119 | -0.02 |
| 22 | | Acetophenone | 40.000 | 37.856 | 5.4 | 108 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.832 | -6.0 | 119 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 38.999 | 2.5 | 117 | -0.01 |
| 25 | | Isophorone | 40.000 | 37.505 | 6.2 | 109 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.759 | -9.4 | 123 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.476 | -6.2 | 126 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 35.246 | 11.9 | 103 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.286 | -5.7 | 123 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.552 | -3.9 | 122 | -0.02 |
| 31 | | Naphthalene | 40.000 | 40.118 | -0.3 | 116 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 49.381 | -23.5 | 146 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 37.039 | 7.4 | 111 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.144 | 4.6 | 111 | -0.02 |
| 35 | | Caprolactam | 40.000 | 40.339 | -0.8 | 118 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.446 | -1.1 | 121 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.847 | -2.1 | 119 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 119 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.578 | 3.6 | 112 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 39.575 | 1.1 | 120 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 77.109 | 3.6 | 109 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.090 | -2.7 | 115 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.567 | -1.4 | 117 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 75.647 | 5.4 | 110 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.833 | 0.4 | 117 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.681 | -1.7 | 116 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 40.787 | -2.0 | 114 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 38.825 | 2.9 | 114 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 38.651 | 3.4 | 121 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.229 | 4.4 | 109 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 40.247 | -0.6 | 117 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 39.089 | 2.3 | 108 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 37.156 | 7.1 | 108 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 40.873 | -2.2 | 121 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 41.901 | -4.8 | 112 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.519 | -8.8 | 125 | -0.02 |
| 57 | | Fluorene | 40.000 | 40.269 | -0.7 | 116 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.321 | -5.8 | 120 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 38.162 | 4.6 | 110 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 42.424 | -6.1 | 123 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 42.818 | -7.0 | 114 | -0.02 |
| 62 | | Azobenzene | 40.000 | 43.826 | -9.6 | 124 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 117 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 37.167 | 7.1 | 109 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.181 | -5.5 | 121 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.273 | 6.8 | 107 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 38.214 | 4.5 | 110 | -0.02 |
| 68 | | Atrazine | 40.000 | 47.434 | -18.6 | 138 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 40.864 | -2.2 | 124 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 39.164 | 2.1 | 119 | -0.01 |
| 71 | | Anthracene | 40.000 | 41.712 | -4.3 | 118 | -0.01 |
| 72 | | Carbazole | 40.000 | 39.094 | 2.3 | 115 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.292 | -0.7 | 116 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 41.368 | -3.4 | 122 | 0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 124 | 0.10 |
| 76 | | Benzidine | 40.000 | 34.810 | 13.0 | 102 | 0.03 |
| 77 | | Pyrene | 40.000 | 40.621 | -1.6 | 123 | 0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 77.686 | 2.9 | 121 | 0.05 |
| 79 | | Butylbenzylphthalate | 40.000 | 45.163 | -12.9 | 128 | 0.08 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.750 | 0.6 | 121 | 0.11 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.414 | -1.0 | 116 | 0.11 |
| 82 | | Chrysene | 40.000 | 39.372 | 1.6 | 117 | 0.11 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.164 | -10.4 | 123 | 0.13 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 43.589 | -9.0 | 124 | 0.17 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.357 | 1.6 | 116 | 0.22 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 115 | 0.21 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.675 | 0.8 | 106 | 0.21 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 42.352 | -5.9 | 128 | 0.21 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.223 | -3.1 | 115 | 0.21 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.509 | -3.8 | 117 | 0.22 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.755 | -1.9 | 114 | 0.22 |

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