# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083275.D
Acq On : 25 Nov 2015 15:56
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 26 02:22:32 2015
Quant Method : Z:\HPCHEM1\BNA F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 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 | 109 | -0.07 |
| 2 | | 1,4-Dioxane | 40.000 | 36.279 | 9.3 | 103 | -0.18 |
| 3 | | Pyridine | 40.000 | 45.023 | -12.6 | 125 | -0.45 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.154 | -10.4 | 110 | -0.22 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.631 | -2.0 | 113 | -0.10 |
| 6 | | Aniline | 40.000 | 47.070 | -17.7 | 124 | -0.09 |
| 7 | S | Phenol-d6 | 80.000 | 83.995 | -5.0 | 120 | -0.08 |
| 8 | | 2-Chlorophenol | 40.000 | 40.314 | -0.8 | 113 | -0.08 |
| 9 | | Benzaldehyde | 40.000 | 43.958 | -9.9 | 115 | -0.09 |
| 10 | C | Phenol | 40.000 | 44.128 | -10.3 | 135 | -0.08 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.704 | -6.8 | 119 | -0.07 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.864 | 2.8 | 109 | -0.07 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.838 | -2.1 | 115 | -0.07 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.721 | -1.8 | 111 | -0.07 |
| 15 | | Benzyl Alcohol | 40.000 | 39.395 | 1.5 | 106 | -0.09 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 48.619 | -21.5 | 137 | -0.07 |
| 17 | | 2-Methylphenol | 40.000 | 40.693 | -1.7 | 115 | -0.08 |
| 18 | | Hexachloroethane | 40.000 | 40.606 | -1.5 | 111 | -0.07 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 46.011 | -15.0 | 133 | -0.08 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.627 | -9.1 | 119 | -0.08 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 112 | -0.07 |
| 22 | | Acetophenone | 40.000 | 40.448 | -1.1 | 120 | -0.08 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.095 | 3.6 | 110 | -0.07 |
| 24 | | Nitrobenzene | 40.000 | 43.310 | -8.3 | 124 | -0.07 |
| 25 | | Isophorone | 40.000 | 40.370 | -0.9 | 116 | -0.10 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.559 | 3.6 | 102 | -0.07 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.728 | -6.8 | 126 | -0.07 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.532 | 3.7 | 108 | -0.08 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.720 | 3.2 | 108 | -0.07 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.882 | 0.3 | 114 | -0.07 |
| 31 | | Naphthalene | 40.000 | 38.314 | 4.2 | 110 | -0.07 |
| 32 | | Benzoic acid | 40.000 | 35.978 | 10.1 | 94 | -0.10 |
| 33 | | 4-Chloroaniline | 40.000 | 45.064 | -12.7 | 130 | -0.07 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.474 | 6.3 | 108 | -0.06 |
| 35 | | Caprolactam | 40.000 | 40.616 | -1.5 | 117 | -0.14 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.870 | -2.2 | 119 | -0.08 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.483 | -1.2 | 119 | -0.07 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 112 | -0.07 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.235 | 1.9 | 114 | -0.07 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 35.177 | 12.1 | 96 | -0.07 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 76.308 | 4.6 | 104 | -0.07 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.542 | 3.6 | 110 | -0.08 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.361 | -0.9 | 117 | -0.08 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 70.797 | 11.5 | 113 | -0.07 |

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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 | 41.438 | -3.6 | 113 | -0.07 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.398 | 1.5 | 114 | -0.07 |
| 47 | | 2-Nitroaniline | 40.000 | 47.668 | -19.2 | 141 | -0.07 |
| 48 | | Acenaphthylene | 40.000 | 39.300 | 1.8 | 112 | -0.08 |
| 49 | | Dimethylphthalate | 40.000 | 37.644 | 5.9 | 108 | -0.08 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.017 | 5.0 | 118 | -0.07 |
| 51 | C | Acenaphthene | 40.000 | 38.346 | 4.1 | 109 | -0.07 |
| 52 | | 3-Nitroaniline | 40.000 | 42.738 | -6.8 | 117 | -0.08 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 37.528 | 6.2 | 104 | -0.07 |
| 54 | | Dibenzofuran | 40.000 | 38.389 | 4.0 | 108 | -0.07 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.932 | 12.7 | 100 | -0.08 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 37.603 | 6.0 | 113 | -0.07 |
| 57 | | Fluorene | 40.000 | 35.144 | 12.1 | 104 | -0.07 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.669 | 3.3 | 107 | -0.07 |
| 59 | | Diethylphthalate | 40.000 | 39.071 | 2.3 | 111 | -0.08 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.239 | 6.9 | 111 | -0.07 |
| 61 | | 4-Nitroaniline | 40.000 | 44.296 | -10.7 | 118 | -0.08 |
| 62 | | Azobenzene | 40.000 | 42.334 | -5.8 | 123 | -0.07 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 110 | -0.08 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.720 | -6.8 | 109 | -0.07 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.771 | -4.4 | 122 | -0.07 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.160 | 4.6 | 104 | -0.07 |
| 67 | | Hexachlorobenzene | 40.000 | 38.000 | 5.0 | 107 | -0.07 |
| 68 | | Atrazine | 40.000 | 43.196 | -8.0 | 118 | -0.08 |
| 69 | C | Pentachlorophenol | 40.000 | 35.375 | 11.6 | 95 | -0.07 |
| 70 | | Phenanthrene | 40.000 | 40.533 | -1.3 | 114 | -0.07 |
| 71 | | Anthracene | 40.000 | 37.145 | 7.1 | 111 | -0.07 |
| 72 | | Carbazole | 40.000 | 37.130 | 7.2 | 102 | -0.08 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.319 | 6.7 | 105 | -0.08 |
| 74 | C | Fluoranthene | 40.000 | 40.424 | -1.1 | 122 | -0.07 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 103 | -0.08 |
| 76 | | Benzidine | 40.000 | 49.834 | -24.6 | 119 | -0.08 |
| 77 | | Pyrene | 40.000 | 42.279 | -5.7 | 113 | -0.08 |
| 78 | S | Terphenyl-d14 | 80.000 | 72.178 | 9.8 | 94 | -0.08 |
| 79 | | Butylbenzylphthalate | 40.000 | 38.556 | 3.6 | 99 | -0.08 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.184 | -0.5 | 105 | -0.08 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.235 | -0.6 | 105 | -0.08 |
| 82 | | Chrysene | 40.000 | 38.570 | 3.6 | 105 | -0.08 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.448 | -3.6 | 110 | -0.07 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 36.856 | 7.9 | 98 | -0.08 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.358 | 1.6 | 111 | -0.14 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 102 | -0.09 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 42.950 | -7.4 | 110 | -0.08 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 33.858 | 15.4 | 94 | -0.08 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.876 | 5.3 | 100 | -0.09 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.200 | -0.5 | 109 | -0.14 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.061 | -2.7 | 111 | -0.15 |

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