# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062215\
Data File : BF080093.D
Acq On : 22 Jun 2015 11:40
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 23 00:56:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 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 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.249 | -0.6 | 103 | 0.00 |
| 3 | | Pyridine | 40.000 | 46.464 | -16.2 | 119 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.023 | -2.6 | 99 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 85.394 | -6.7 | 107 | 0.00 |
| 6 | | Aniline | 40.000 | 42.867 | -7.2 | 105 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 86.961 | -8.7 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.230 | -0.6 | 99 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 43.085 | -7.7 | 106 | 0.00 |
| 10 | C | Phenol | 40.000 | 44.105 | -10.3 | 109 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.802 | -4.5 | 104 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.102 | -0.3 | 99 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 45.087 | -12.7 | 113 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 44.095 | -10.2 | 110 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.638 | 0.9 | 97 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 47.423 | -18.6 | 123 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 43.195 | -8.0 | 104 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.895 | -2.2 | 100 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 45.026 | -12.6 | 120 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.618 | -11.5 | 110 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.148 | -0.4 | 97 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 85.093 | -6.4 | 106 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 46.591 | -16.5 | 117 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.719 | -1.8 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 50.414 | -26.0# | 127 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 44.979 | -12.4 | 118 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.851 | 2.9 | 97 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 48.498 | -21.2# | 119 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 45.331 | -13.3 | 115 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.345 | 1.6 | 98 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 47.505 | -18.8 | 119 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.444 | 6.4 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 45.150 | -12.9 | 120 | 0.00 |
| 35 | | Caprolactam | 40.000 | 43.871 | -9.7 | 104 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.665 | -4.2 | 101 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.646 | -4.1 | 103 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 45.092 | -12.7 | 117 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 40.589 | -1.5 | 109 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 82.801 | -3.5 | 107 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 44.509 | -11.3 | 113 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.195 | 4.5 | 97 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 79.717 | 0.4 | 104 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.641 | -1.6 | 107 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.571 | 3.6 | 99 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 41.648 | -4.1 | 102 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.604 | 3.5 | 96 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 43.587 | -9.0 | 116 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.947 | -4.9 | 101 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.393 | 1.5 | 101 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 42.725 | -6.8 | 106 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 47.375 | -18.4 | 130 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.677 | 3.3 | 100 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 45.431 | -13.6 | 121 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 44.784 | -12.0 | 115 | 0.00 |
| 57 | | Fluorene | 40.000 | 43.050 | -7.6 | 112 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.827 | 2.9 | 97 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.435 | 1.4 | 98 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.065 | 4.8 | 101 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 39.191 | 2.0 | 97 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.016 | 2.5 | 97 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.085 | -2.7 | 108 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 37.663 | 5.8 | 99 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.809 | 5.5 | 102 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 37.747 | 5.6 | 101 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.994 | 0.0 | 104 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 38.019 | 5.0 | 107 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.640 | 0.9 | 109 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.467 | -1.2 | 113 | 0.00 |
| 72 | | Carbazole | 40.000 | 38.224 | 4.4 | 103 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.976 | 5.1 | 108 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 39.682 | 0.8 | 112 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 76 | | Benzidine | 40.000 | 39.710 | 0.7 | 106 | 0.00 |
| 77 | | Pyrene | 40.000 | 39.922 | 0.2 | 109 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 78.228 | 2.2 | 108 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.013 | -5.0 | 110 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.386 | 4.0 | 106 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.059 | -2.6 | 111 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.156 | 2.1 | 107 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.331 | 1.7 | 104 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.270 | -0.7 | 108 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.424 | 1.4 | 108 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 110 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.289 | 1.8 | 104 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.784 | 0.5 | 109 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.473 | 1.3 | 107 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.856 | 0.4 | 108 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.266 | 1.8 | 106 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 2