# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
Data File : BF081378.D
Acq On : 3 Sep 2015 15:29
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 04 03:50:44 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 04 01:59:21 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 | 102 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 39.477 | 1.3 | 102 | -0.05 |
| 3 | | Pyridine | 40.000 | 36.524 | 8.7 | 81 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 45.550 | -13.9 | 110 | -0.05 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.246 | -2.8 | 110 | -0.01 |
| 6 | | Aniline | 40.000 | 41.466 | -3.7 | 106 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 82.588 | -3.2 | 104 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 42.248 | -5.6 | 108 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 41.433 | -3.6 | 106 | -0.01 |
| 10 | C | Phenol | 40.000 | 38.731 | 3.2 | 90 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.604 | -4.0 | 106 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.809 | -4.5 | 109 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.108 | -0.3 | 103 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.273 | 4.3 | 100 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 40.330 | -0.8 | 97 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.544 | -8.9 | 116 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 42.238 | -5.6 | 106 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 40.267 | -0.7 | 103 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 46.501 | -16.3 | 124 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.177 | -2.9 | 106 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 112 | -0.01 |
| 22 | | Acetophenone | 40.000 | 38.424 | 3.9 | 104 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.273 | -0.3 | 110 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 39.794 | 0.5 | 106 | -0.02 |
| 25 | | Isophorone | 40.000 | 40.822 | -2.1 | 116 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.019 | -5.0 | 123 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.792 | -4.5 | 104 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.874 | 5.3 | 94 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.089 | -5.2 | 114 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.572 | 1.1 | 105 | -0.02 |
| 31 | | Naphthalene | 40.000 | 38.876 | 2.8 | 108 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 37.107 | 7.2 | 96 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 37.795 | 5.5 | 93 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.718 | -4.3 | 121 | -0.01 |
| 35 | | Caprolactam | 40.000 | 44.998 | -12.5 | 120 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 46.728 | -16.8 | 130 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.519 | -3.8 | 124 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 110 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.740 | -1.9 | 109 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 35.971 | 10.1 | 97 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 89.783 | -12.2 | 118 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.603 | 1.0 | 111 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.140 | -0.4 | 108 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 83.074 | -3.8 | 109 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.628 | -4.1 | 127 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.787 | 8.0 | 95 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 45.401 | -13.5 | 121 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 40.864 | -2.2 | 123 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 42.537 | -6.3 | 121 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.762 | -4.4 | 108 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 39.983 | 0.0 | 123 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 39.090 | 2.3 | 106 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 36.356 | 9.1 | 94 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 39.749 | 0.6 | 119 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.020 | -0.1 | 94 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.292 | 1.8 | 107 | -0.02 |
| 57 | | Fluorene | 40.000 | 42.963 | -7.4 | 111 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.066 | 2.3 | 111 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 39.408 | 1.5 | 108 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 44.074 | -10.2 | 126 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 41.458 | -3.6 | 121 | -0.01 |
| 62 | | Azobenzene | 40.000 | 41.678 | -4.2 | 108 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 113 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.180 | -2.9 | 101 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.531 | 1.2 | 112 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.940 | 2.7 | 124 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 41.406 | -3.5 | 125 | -0.01 |
| 68 | | Atrazine | 40.000 | 39.661 | 0.8 | 116 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 44.327 | -10.8 | 141 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 35.247 | 11.9 | 97 | -0.02 |
| 71 | | Anthracene | 40.000 | 41.691 | -4.2 | 122 | -0.01 |
| 72 | | Carbazole | 40.000 | 34.080 | 14.8 | 103 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.473 | 3.8 | 116 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 39.961 | 0.1 | 121 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 91 | -0.02 |
| 76 | | Benzidine | 40.000 | 28.931 | 27.7# | 75 | -0.01 |
| 77 | | Pyrene | 40.000 | 41.012 | -2.5 | 96 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 96.660 | -20.8 | 133 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.367 | -10.9 | 110 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.328 | -3.3 | 97 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.876 | -4.7 | 109 | -0.01 |
| 82 | | Chrysene | 40.000 | 46.041 | -15.1 | 133 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.463 | -8.7 | 114 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 38.498 | 3.8 | 98 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.625 | 3.4 | 96 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 86 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.600 | 1.0 | 70 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.688 | -4.2 | 109 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.661 | -1.7 | 93 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 43.615 | -9.0 | 94 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 47.123 | -17.8 | 104 | -0.02 |

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