# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF101315\
Data File : BF082236.D
Acq On : 13 Oct 2015 1:27
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 13 06:27:57 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 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 | 71 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.586 | 3.5 | 73 | -0.06 |
| 3 | | Pyridine | 40.000 | 42.335 | -5.8 | 77 | -0.06 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.322 | 1.7 | 68 | -0.06 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.554 | -0.7 | 69 | -0.01 |
| 6 | | Aniline | 40.000 | 40.646 | -1.6 | 70 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 78.645 | 1.7 | 68 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 40.411 | -1.0 | 74 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 39.926 | 0.2 | 66 | -0.01 |
| 10 | C | Phenol | 40.000 | 36.105 | 9.7 | 60 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.058 | 7.4 | 65 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.264 | 6.8 | 67 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.423 | 6.4 | 66 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.485 | 3.8 | 75 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.356 | -5.9 | 73 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.848 | 5.4 | 72 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.440 | -1.1 | 73 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 35.763 | 10.6 | 65 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.784 | 5.5 | 70 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.855 | -2.1 | 75 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 71 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.424 | 3.9 | 70 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.697 | 0.4 | 69 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 38.275 | 4.3 | 75 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.350 | 6.6 | 69 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.246 | -0.6 | 64 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.237 | -3.1 | 76 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.370 | 1.6 | 66 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.867 | 2.8 | 65 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.592 | 6.0 | 67 | -0.01 |
| 31 | | Naphthalene | 40.000 | 38.566 | 3.6 | 71 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 35.819 | 10.5 | 65 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 40.005 | -0.0 | 68 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 35.337 | 11.7 | 64 | 0.00 |
| 35 | | Caprolactam | 40.000 | 42.701 | -6.8 | 71 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.724 | -6.8 | 76 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.498 | 1.3 | 69 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 70 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.198 | 4.5 | 71 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 32.335 | 19.2 | 54 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 85.270 | -6.6 | 79 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.588 | 1.0 | 74 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.795 | 0.5 | 71 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 79.309 | 0.9 | 66 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.467 | -1.2 | 77 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.577 | 3.6 | 70 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 43.557 | -8.9 | 79 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.048 | 4.9 | 68 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 37.733 | 5.7 | 75 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 39.023 | 2.4 | 66 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 39.009 | 2.5 | 68 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 42.513 | -6.3 | 73 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 34.851 | 12.9 | 59 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.928 | 2.7 | 69 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 42.784 | -7.0 | 69 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.111 | -5.3 | 72 | -0.01 |
| 57 | | Fluorene | 40.000 | 39.208 | 2.0 | 70 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.955 | -7.4 | 82 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 40.220 | -0.5 | 73 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.570 | -1.4 | 76 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 45.430 | -13.6 | 76 | -0.01 |
| 62 | | Azobenzene | 40.000 | 40.126 | -0.3 | 75 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 78 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 37.016 | 7.5 | 66 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.067 | 9.8 | 72 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.428 | 3.9 | 78 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 37.269 | 6.8 | 74 | -0.01 |
| 68 | | Atrazine | 40.000 | 41.956 | -4.9 | 91 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 38.636 | 3.4 | 68 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 39.278 | 1.8 | 82 | 0.00 |
| 71 | | Anthracene | 40.000 | 39.748 | 0.6 | 75 | -0.01 |
| 72 | | Carbazole | 40.000 | 40.485 | -1.2 | 82 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.544 | 3.6 | 77 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 40.312 | -0.8 | 78 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 76 | | Benzidine | 40.000 | 36.943 | 7.6 | 77 | 0.00 |
| 77 | | Pyrene | 40.000 | 38.063 | 4.8 | 85 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 66.517 | 16.9 | 73 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 38.095 | 4.8 | 86 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.894 | 5.3 | 85 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.354 | 4.1 | 84 | 0.00 |
| 82 | | Chrysene | 40.000 | 37.337 | 6.7 | 92 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 33.653 | 15.9 | 73 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 33.400 | 16.5 | 76 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.738 | -1.8 | 98 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 34.029 | 14.9 | 70 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 42.314 | -5.8 | 114 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.360 | 6.6 | 88 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.529 | -1.3 | 96 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.787 | -2.0 | 100 | 0.00 |

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