# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
Data File : BF086707.D
Acq On : 5 May 2016 14:04
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 06 01:22:01 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
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 | 40.000 | 40.000 | 0.0 | 100 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.516 | 6.2 | 100 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.267 | -0.7 | 100 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.743 | -1.9 | 100 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.927 | -4.9 | 100 | 0.00 |
| 6 | | Aniline | 40.000 | 39.018 | 2.5 | 100 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.069 | 3.7 | 100 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.181 | 2.0 | 100 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.688 | 5.8 | 100 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.946 | -4.9 | 100 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.097 | 9.8 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.319 | 4.2 | 100 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.488 | 6.3 | 100 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.845 | -4.6 | 100 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.786 | -2.0 | 100 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.444 | 6.4 | 100 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.989 | 2.5 | 100 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.824 | 0.4 | 100 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.534 | 11.2 | 100 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.269 | 6.8 | 100 | 0.00 |
| 21 | I | Naphthalene-d8 | 40.000 | 40.000 | 0.0 | 100 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.062 | -5.2 | 100 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.572 | 5.5 | 100 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.517 | -1.3 | 100 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.874 | 2.8 | 100 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.665 | 3.3 | 100 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.831 | 5.4 | 100 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.964 | 2.6 | 100 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.123 | -2.8 | 100 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.749 | -1.9 | 100 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.868 | 5.3 | 100 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.843 | 2.9 | 100 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.680 | 5.8 | 100 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.462 | 1.3 | 100 | 0.00 |
| 35 | | Caprolactam | 40.000 | 46.018 | -15.0 | 100 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.009 | 5.0 | 100 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.162 | 2.1 | 100 | 0.00 |
| 38 | I | Acenaphthene-d10 | 40.000 | 40.000 | 0.0 | 100 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.075 | -0.2 | 100 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 39.475 | 1.3 | 100 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 85.475 | -6.8 | 100 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.215 | -3.0 | 100 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.279 | -0.7 | 100 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 71.702 | 10.4 | 100 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 42.712 | -6.8 | 100 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.658 | -1.6 | 100 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 38.510 | 3.7 | 100 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 42.096 | -5.2 | 100 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 40.827 | -2.1 | 100 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.744 | -4.4 | 100 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 38.394 | 4.0 | 100 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 38.575 | 3.6 | 100 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 42.414 | -6.0 | 100 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 41.052 | -2.6 | 100 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 41.554 | -3.9 | 100 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.416 | 1.5 | 100 | 0.00 |
| 57 | | Fluorene | 40.000 | 42.700 | -6.8 | 100 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.645 | 0.9 | 100 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 40.395 | -1.0 | 100 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.746 | 5.6 | 100 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 42.051 | -5.1 | 100 | 0.00 |
| 62 | | Azobenzene | 40.000 | 38.644 | 3.4 | 100 | 0.00 |
| 63 | I | Phenanthrene-d10 | 40.000 | 40.000 | 0.0 | 100 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.661 | -14.2 | 100 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.522 | -3.8 | 100 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.162 | -5.4 | 100 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 39.959 | 0.1 | 100 | 0.00 |
| 68 | | Atrazine | 40.000 | 38.040 | 4.9 | 100 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 40.562 | -1.4 | 100 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.716 | 3.2 | 100 | 0.00 |
| 71 | | Anthracene | 40.000 | 41.509 | -3.8 | 100 | 0.00 |
| 72 | | Carbazole | 40.000 | 44.735 | -11.8 | 100 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.135 | -0.3 | 100 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 42.367 | -5.9 | 100 | 0.00 |
| 75 | I | Chrysene-d12 | 40.000 | 40.000 | 0.0 | 100 | 0.00 |
| 76 | | Benzidine | 40.000 | 34.175 | 14.6 | 100 | 0.00 |
| 77 | | Pyrene | 40.000 | 36.521 | 8.7 | 100 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 64.900 | 18.9 | 100 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.526 | -3.8 | 100 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.562 | 6.1 | 100 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.911 | -12.3 | 100 | 0.00 |
| 82 | | Chrysene | 40.000 | 37.379 | 6.6 | 100 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.291 | -5.7 | 100 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 47.606 | -19.0 | 100 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 32.948 | 17.6 | 100 | 0.00 |
| 86 | I | Perylene-d12 | 40.000 | 40.000 | 0.0 | 100 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.348 | 1.6 | 100 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 44.042 | -10.1 | 100 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.668 | 0.8 | 100 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 32.465 | 18.8 | 100 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 30.676 | 23.3 | 100 | 0.00 |

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