# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG052815\
Data File : BG017321.D
Acq On : 28 May 2015 12:37
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: May 29 01:06:12 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 29 01:04:23 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 | 58 | -0.05 |
| 2 | | 1,4-Dioxane | 40.000 | 42.177 | -5.4 | 62 | -0.06 |
| 3 | | Pyridine | 40.000 | 42.721 | -6.8 | 60 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.160 | 2.1 | 55 | -0.05 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.030 | -2.5 | 57 | -0.05 |
| 6 | | Aniline | 40.000 | 41.225 | -3.1 | 57 | -0.05 |
| 7 | S | Phenol-d6 | 80.000 | 80.789 | -1.0 | 56 | -0.05 |
| 8 | | 2-Chlorophenol | 40.000 | 40.797 | -2.0 | 57 | -0.05 |
| 9 | | Benzaldehyde | 40.000 | 38.444 | 3.9 | 55 | -0.05 |
| 10 | C | Phenol | 40.000 | 40.630 | -1.6 | 57 | -0.04 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.399 | -6.0 | 58 | -0.05 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.327 | 1.7 | 57 | -0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.514 | -3.8 | 59 | -0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.211 | 2.0 | 56 | -0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 38.800 | 3.0 | 54 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.389 | -1.0 | 58 | -0.05 |
| 17 | | 2-Methylphenol | 40.000 | 39.799 | 0.5 | 57 | -0.05 |
| 18 | | Hexachloroethane | 40.000 | 40.823 | -2.1 | 58 | -0.06 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.514 | 1.2 | 55 | -0.05 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.827 | 0.4 | 55 | -0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 55 | -0.05 |
| 22 | | Acetophenone | 40.000 | 40.759 | -1.9 | 55 | -0.05 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.651 | -3.3 | 55 | -0.05 |
| 24 | | Nitrobenzene | 40.000 | 41.120 | -2.8 | 56 | -0.05 |
| 25 | | Isophorone | 40.000 | 41.376 | -3.4 | 55 | -0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.484 | -6.2 | 57 | -0.05 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.626 | -4.1 | 57 | -0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.769 | -4.4 | 56 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.827 | -4.6 | 55 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.284 | -0.7 | 54 | -0.05 |
| 31 | | Naphthalene | 40.000 | 41.055 | -2.6 | 55 | -0.06 |
| 32 | | Benzoic acid | 40.000 | 33.831 | 15.4 | 45 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 41.168 | -2.9 | 54 | -0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.064 | -7.7 | 57 | -0.07 |
| 35 | | Caprolactam | 40.000 | 44.533 | -11.3 | 62 | -0.04 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.501 | -3.8 | 55 | -0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.554 | -1.4 | 56 | -0.05 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 56 | -0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.482 | -3.7 | 56 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 34.761 | 13.1 | 47 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.011 | -3.8 | 57 | -0.04 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.672 | -1.7 | 54 | -0.05 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.022 | -5.1 | 57 | -0.05 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 81.736 | -2.2 | 56 | -0.05 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.473 | -1.2 | 55 | -0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.711 | -1.8 | 56 | -0.05 |
| 47 | | 2-Nitroaniline | 40.000 | 41.585 | -4.0 | 57 | -0.05 |
| 48 | | Acenaphthylene | 40.000 | 41.311 | -3.3 | 56 | -0.05 |
| 49 | | Dimethylphthalate | 40.000 | 41.301 | -3.3 | 56 | -0.05 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.229 | -8.1 | 57 | -0.05 |
| 51 | C | Acenaphthene | 40.000 | 40.397 | -1.0 | 55 | -0.05 |
| 52 | | 3-Nitroaniline | 40.000 | 42.452 | -6.1 | 57 | -0.05 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 43.418 | -8.5 | 56 | -0.04 |
| 54 | | Dibenzofuran | 40.000 | 40.623 | -1.6 | 56 | -0.05 |
| 55 | P | 4-Nitrophenol | 40.000 | 39.380 | 1.5 | 54 | -0.04 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 45.386 | -13.5 | 62 | -0.04 |
| 57 | | Fluorene | 40.000 | 41.012 | -2.5 | 55 | -0.05 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.054 | -5.1 | 56 | -0.05 |
| 59 | | Diethylphthalate | 40.000 | 41.531 | -3.8 | 58 | -0.05 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.280 | -3.2 | 56 | -0.05 |
| 61 | | 4-Nitroaniline | 40.000 | 44.694 | -11.7 | 60 | -0.04 |
| 62 | | Azobenzene | 40.000 | 40.988 | -2.5 | 56 | -0.05 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 60 | -0.05 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.620 | -9.0 | 61 | -0.04 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.402 | 1.5 | 57 | -0.04 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.835 | 2.9 | 57 | -0.05 |
| 67 | | Hexachlorobenzene | 40.000 | 39.992 | 0.0 | 58 | -0.04 |
| 68 | | Atrazine | 40.000 | 41.396 | -3.5 | 59 | -0.05 |
| 69 | C | Pentachlorophenol | 40.000 | 36.605 | 8.5 | 52 | -0.05 |
| 70 | | Phenanthrene | 40.000 | 40.483 | -1.2 | 58 | -0.05 |
| 71 | | Anthracene | 40.000 | 40.612 | -1.5 | 59 | -0.05 |
| 72 | | Carbazole | 40.000 | 42.203 | -5.5 | 61 | -0.04 |
| 73 | | Di-n-butylphthalate | 40.000 | 42.802 | -7.0 | 62 | -0.05 |
| 74 | C | Fluoranthene | 40.000 | 43.256 | -8.1 | 63 | -0.05 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 72 | -0.05 |
| 76 | | Benzidine | 40.000 | 34.504 | 13.7 | 59 | -0.04 |
| 77 | | Pyrene | 40.000 | 37.506 | 6.2 | 65 | -0.04 |
| 78 | S | Terphenyl-d14 | 80.000 | 77.325 | 3.3 | 68 | -0.05 |
| 79 | | Butylbenzylphthalate | 40.000 | 37.997 | 5.0 | 66 | -0.04 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.540 | 1.2 | 68 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.633 | -1.6 | 71 | -0.05 |
| 82 | | Chrysene | 40.000 | 40.438 | -1.1 | 71 | -0.04 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.721 | 0.7 | 68 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.045 | 2.4 | 68 | -0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.622 | -1.6 | 70 | -0.11 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 68 | -0.07 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.697 | -4.2 | 71 | -0.06 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.528 | -3.8 | 68 | -0.06 |
| 89 C | Benzo(a)pyrene | 40.000 | 42.034 | -5.1 | 70 | -0.07 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 42.379 | -5.9 | 71 | -0.11 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.980 | -4.9 | 70 | -0.12 |

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