# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
Data File : BG023033.D
Acq On : 12 Jul 2016 12:45
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 12 15:44:29 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 07 16:51:07 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 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.913 | 0.2 | 104 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.305 | -0.8 | 101 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.299 | -3.2 | 102 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.614 | -0.8 | 103 | 0.00 |
| 6 | | Aniline | 40.000 | 39.627 | 0.9 | 98 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 85.615 | -7.0 | 105 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.291 | -5.7 | 106 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.989 | -2.5 | 105 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.333 | -5.8 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.006 | 2.5 | 98 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.909 | 0.2 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.962 | -2.4 | 104 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.473 | -1.2 | 106 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.043 | -5.1 | 102 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.185 | -3.0 | 104 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 42.942 | -7.4 | 107 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.221 | -5.6 | 114 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.846 | -2.1 | 99 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.403 | -8.5 | 102 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.546 | 6.1 | 97 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.683 | 1.6 | 103 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.994 | 2.5 | 103 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.767 | 8.1 | 93 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.854 | 0.4 | 97 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.396 | 6.5 | 97 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.690 | 5.8 | 96 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.778 | 0.6 | 101 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.440 | 1.4 | 103 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.753 | 0.6 | 104 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 36.899 | 7.8 | 90 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 38.391 | 4.0 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.237 | 6.9 | 99 | 0.00 |
| 35 | | Caprolactam | 40.000 | 31.940 | 20.1 | 82 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.793 | 5.5 | 96 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.325 | 1.7 | 99 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.812 | 5.5 | 94 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 42.990 | -7.5 | 107 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 64.272 | 19.7 | 82 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 36.962 | 7.6 | 90 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 36.987 | 7.5 | 93 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 76.304 | 4.6 | 97 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.579 | 1.1 | 98 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.255 | 1.9 | 97 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 39.248 | 1.9 | 98 | 0.01 |
| 48 | | Acenaphthylene | 40.000 | 38.511 | 3.7 | 96 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 35.436 | 11.4 | 90 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 36.758 | 8.1 | 92 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 38.016 | 5.0 | 96 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 37.786 | 5.5 | 94 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 46.472 | -16.2 | 111 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 36.927 | 7.7 | 94 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 32.058 | 19.9 | 80 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 35.665 | 10.8 | 90 | 0.01 |
| 57 | | Fluorene | 40.000 | 36.556 | 8.6 | 93 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 34.219 | 14.5 | 85 | 0.01 |
| 59 | | Diethylphthalate | 40.000 | 35.628 | 10.9 | 90 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 35.795 | 10.5 | 89 | 0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 35.970 | 10.1 | 91 | 0.00 |
| 62 | | Azobenzene | 40.000 | 38.431 | 3.9 | 97 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 35.259 | 11.9 | 75 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.650 | -1.6 | 90 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.590 | 6.0 | 83 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 38.123 | 4.7 | 85 | 0.01 |
| 68 | | Atrazine | 40.000 | 38.172 | 4.6 | 86 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 34.716 | 13.2 | 74 | 0.01 |
| 70 | | Phenanthrene | 40.000 | 39.639 | 0.9 | 90 | 0.01 |
| 71 | | Anthracene | 40.000 | 39.845 | 0.4 | 91 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.824 | 0.4 | 91 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.871 | -4.7 | 92 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 37.943 | 5.1 | 90 | 0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 91 | 0.03 |
| 76 | | Benzidine | 40.000 | 26.223 | 34.4# | 58 | 0.01 |
| 77 | | Pyrene | 40.000 | 37.839 | 5.4 | 91 | 0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 80.844 | -1.1 | 92 | 0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.205 | -3.0 | 94 | 0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.251 | 1.9 | 91 | 0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.338 | 4.2 | 86 | 0.03 |
| 82 | | Chrysene | 40.000 | 39.434 | 1.4 | 92 | 0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.972 | -2.4 | 95 | 0.03 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.042 | -2.6 | 94 | 0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.159 | 7.1 | 87 | 0.12 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 89 | 0.08 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.402 | 1.5 | 90 | 0.06 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.337 | -0.8 | 89 | 0.07 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.574 | 1.1 | 89 | 0.07 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.263 | 4.3 | 87 | 0.12 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.295 | 6.8 | 84 | 0.13 |

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