# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG102816\
Data File : BG024555.D
Acq On : 29 Oct 2016 1:23
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 29 02:12:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 26 11:14:13 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 | 98 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.560 | -1.4 | 103 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.435 | 3.9 | 98 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.270 | 4.3 | 95 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 75.832 | 5.2 | 98 | 0.00 |
| 6 | | Aniline | 40.000 | 39.079 | 2.3 | 98 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.293 | 2.1 | 98 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.893 | 5.3 | 98 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.299 | 9.3 | 92 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.353 | 4.1 | 97 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.355 | 4.1 | 100 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.331 | 4.2 | 100 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.890 | 2.8 | 100 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.775 | 8.1 | 95 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 36.321 | 9.2 | 92 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.047 | 4.9 | 97 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.002 | 2.5 | 100 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.641 | 3.4 | 103 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.100 | 4.7 | 94 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.660 | -1.6 | 100 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.412 | -1.0 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.939 | -2.4 | 101 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.352 | -0.9 | 98 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.313 | 1.7 | 94 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.483 | 3.8 | 94 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.129 | 2.2 | 93 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.632 | 0.9 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.140 | -0.4 | 96 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.469 | -1.2 | 100 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.350 | -0.9 | 98 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 29.897 | 25.3# | 73 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.853 | 0.4 | 93 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.171 | -5.4 | 107 | 0.00 |
| 35 | | Caprolactam | 40.000 | 37.347 | 6.6 | 89 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.721 | 0.7 | 94 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.199 | -3.0 | 101 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.427 | -3.6 | 101 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 40.414 | -1.0 | 95 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.885 | -4.9 | 94 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.276 | -0.7 | 96 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.856 | 2.9 | 91 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 81.983 | -2.5 | 98 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.364 | -0.9 | 96 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.834 | -2.1 | 99 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 41.582 | -4.0 | 91 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.242 | -0.6 | 93 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 40.104 | -0.3 | 92 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.853 | -7.1 | 95 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 37.435 | 6.4 | 88 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 41.137 | -2.8 | 93 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 43.094 | -7.7 | 94 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.344 | -0.9 | 94 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 39.250 | 1.9 | 89 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.049 | -5.1 | 90 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.920 | 0.2 | 91 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.967 | 2.6 | 87 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.440 | 1.4 | 90 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.211 | 2.0 | 92 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.848 | -4.6 | 94 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.871 | 0.3 | 91 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.138 | -5.3 | 91 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.467 | -1.2 | 90 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.892 | -4.7 | 94 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 41.939 | -4.8 | 92 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.034 | 2.4 | 85 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 38.761 | 3.1 | 82 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 40.735 | -1.8 | 91 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.657 | -1.6 | 90 | 0.00 |
| 72 | | Carbazole | 40.000 | 41.664 | -4.2 | 93 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.242 | -3.1 | 91 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 42.464 | -6.2 | 92 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 91 | 0.00 |
| 76 | | Benzidine | 40.000 | 22.296 | 44.3# | 53 | 0.00 |
| 77 | | Pyrene | 40.000 | 39.762 | 0.6 | 93 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 78.580 | 1.8 | 95 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.899 | 0.3 | 96 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.350 | -0.9 | 99 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.931 | 0.2 | 96 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.957 | 0.1 | 97 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.600 | 1.0 | 96 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.640 | -1.6 | 97 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.210 | 2.0 | 99 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 92 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.438 | 1.4 | 98 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.883 | 0.3 | 99 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.796 | 0.5 | 99 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.363 | 4.1 | 99 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.340 | 4.1 | 100 | 0.00 |

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