# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090616\
Data File : BG023947.D
Acq On : 6 Sep 2016 13:54
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 06 15:42:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 31 20:05:47 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 2 | | 1,4-Dioxane | 0.470 | 0.436 | 7.2 | 74 | 0.00 |
| 3 | | Pyridine | 1.412 | 1.340 | 5.1 | 75 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.744 | 0.874 | -17.5 | 102 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.139 | 1.083 | 4.9 | 77 | 0.00 |
| 6 | | Aniline | 2.328 | 2.227 | 4.3 | 80 | 0.00 |
| 7 | S | Phenol-d6 | 1.754 | 1.678 | 4.3 | 79 | 0.00 |
| 8 | | 2-Chlorophenol | 1.320 | 1.266 | 4.1 | 80 | 0.00 |
| 9 | | Benzaldehyde | 1.246 | 1.160 | 6.9 | 76 | 0.00 |
| 10 | C | Phenol | 1.845 | 1.706 | 7.5 | 75 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.451 | 1.297 | 10.6 | 80 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.545 | 1.450 | 6.1 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.636 | 1.518 | 7.2 | 83 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.536 | 1.433 | 6.7 | 82 | 0.00 |
| 15 | | Benzyl Alcohol | 1.546 | 1.500 | 3.0 | 78 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.945 | 1.759 | 9.6 | 81 | 0.00 |
| 17 | | 2-Methylphenol | 1.243 | 1.218 | 2.0 | 81 | 0.00 |
| 18 | | Hexachloroethane | 0.630 | 0.606 | 3.8 | 82 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.549 | 1.542 | 0.5 | 86 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.732 | 1.677 | 3.2 | 77 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 22 | | Acetophenone | 0.518 | 0.530 | -2.3 | 82 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.448 | 0.478 | -6.7 | 88 | 0.00 |
| 24 | | Nitrobenzene | 0.482 | 0.509 | -5.6 | 87 | 0.00 |
| 25 | | Isophorone | 0.869 | 0.887 | -2.1 | 83 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.183 | 0.189 | -3.3 | 84 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.311 | 0.321 | -3.2 | 78 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.439 | 0.434 | 1.1 | 82 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.330 | 0.337 | -2.1 | 80 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.362 | 0.372 | -2.8 | 86 | 0.00 |
| 31 | | Naphthalene | 1.031 | 1.019 | 1.2 | 83 | 0.00 |
| 32 | | Benzoic acid | 0.253 | 0.250 | 1.2 | 78 | -0.01 |
| 33 | | 4-Chloroaniline | 0.430 | 0.460 | -7.0 | 84 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.272 | 0.293 | -7.7 | 86 | 0.00 |
| 35 | | Caprolactam | 0.116 | 0.116 | 0.0 | 77 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.441 | 0.471 | -6.8 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.784 | 0.825 | -5.2 | 84 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.664 | 0.657 | 1.1 | 86 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.335 | 0.331 | 1.2 | 89 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.360 | 0.354 | 1.7 | 83 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.443 | 0.422 | 4.7 | 82 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.448 | 0.435 | 2.9 | 82 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.395 | 1.332 | 4.5 | 86 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.609 | 1.531 | 4.8 | 84 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.181 | 1.131 | 4.2 | 86 | 0.00 |
| 47 | | 2-Nitroaniline | 0.465 | 0.494 | -6.2 | 95 | 0.00 |
| 48 | | Acenaphthylene | 1.969 | 1.884 | 4.3 | 84 | 0.00 |
| 49 | | Dimethylphthalate | 1.715 | 1.635 | 4.7 | 85 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.362 | 0.342 | 5.5 | 83 | 0.00 |
| 51 | C | Acenaphthene | 1.217 | 1.191 | 2.1 | 88 | 0.00 |
| 52 | | 3-Nitroaniline | 0.339 | 0.360 | -6.2 | 89 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.226 | 0.215 | 4.9 | 79 | 0.00 |
| 54 | | Dibenzofuran | 1.900 | 1.816 | 4.4 | 85 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.269 | 0.263 | 2.2 | 89 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.532 | 0.515 | 3.2 | 84 | 0.00 |
| 57 | | Fluorene | 1.647 | 1.621 | 1.6 | 88 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.455 | 0.443 | 2.6 | 84 | 0.00 |
| 59 | | Diethylphthalate | 1.831 | 1.758 | 4.0 | 85 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.887 | 0.899 | -1.4 | 88 | 0.00 |
| 61 | | 4-Nitroaniline | 0.342 | 0.361 | -5.6 | 92 | 0.00 |
| 62 | | Azobenzene | 1.773 | 1.829 | -3.2 | 92 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.139 | 0.135 | 2.9 | 85 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.568 | 0.562 | 1.1 | 87 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.243 | 0.255 | -4.9 | 91 | 0.00 |
| 67 | | Hexachlorobenzene | 0.285 | 0.273 | 4.2 | 84 | 0.00 |
| 68 | | Atrazine | 0.244 | 0.248 | -1.6 | 87 | -0.01 |
| 69 | C | Pentachlorophenol | 0.152 | 0.153 | -0.7 | 84 | 0.00 |
| 70 | | Phenanthrene | 1.040 | 1.052 | -1.2 | 91 | 0.00 |
| 71 | | Anthracene | 1.061 | 1.068 | -0.7 | 90 | 0.00 |
| 72 | | Carbazole | 0.963 | 0.962 | 0.1 | 90 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.149 | 1.145 | 0.3 | 90 | -0.01 |
| 74 | C | Fluoranthene | 1.253 | 1.283 | -2.4 | 90 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 92 | -0.01 |
| 76 | | Benzidine | 0.619 | 0.621 | -0.3 | 90 | -0.01 |
| 77 | | Pyrene | 1.230 | 1.186 | 3.6 | 90 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.878 | 0.875 | 0.3 | 93 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.474 | 0.464 | 2.1 | 96 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.120 | 1.167 | -4.2 | 98 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.448 | 0.483 | -7.8 | 98 | -0.01 |
| 82 | | Chrysene | 1.066 | 1.095 | -2.7 | 98 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.649 | 0.628 | 3.2 | 97 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.065 | 1.073 | -0.8 | 100 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.180 | 1.329 | -12.6 | 110 | -0.04 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 101 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 1.136 | 1.160 | -2.1 | 105 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.127 | 1.174 | -4.2 | 105 | -0.03 |
| 89 C | Benzo(a)pyrene | 1.079 | 1.110 | -2.9 | 106 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 1.061 | 1.064 | -0.3 | 103 | -0.04 |
| 91 | Benzo(g,h,i)perylene | 1.020 | 1.059 | -3.8 | 107 | -0.06 |

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