# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090116\
Data File : BG023945.D
Acq On : 1 Sep 2016 22:58
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 02 01:05:35 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 | 104 | 0.00 |
| 2 | | 1,4-Dioxane | 0.470 | 0.450 | 4.3 | 91 | 0.00 |
| 3 | | Pyridine | 1.412 | 1.580 | -11.9 | 105 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.744 | 0.920 | -23.7 | 128 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.139 | 1.183 | -3.9 | 100 | -0.01 |
| 6 | | Aniline | 2.328 | 2.395 | -2.9 | 103 | 0.00 |
| 7 | S | Phenol-d6 | 1.754 | 1.816 | -3.5 | 102 | 0.00 |
| 8 | | 2-Chlorophenol | 1.320 | 1.356 | -2.7 | 102 | -0.01 |
| 9 | | Benzaldehyde | 1.246 | 1.256 | -0.8 | 98 | 0.00 |
| 10 | C | Phenol | 1.845 | 1.884 | -2.1 | 99 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.451 | 1.381 | 4.8 | 102 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.545 | 1.469 | 4.9 | 98 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.636 | 1.578 | 3.5 | 103 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.536 | 1.518 | 1.2 | 103 | 0.00 |
| 15 | | Benzyl Alcohol | 1.546 | 1.599 | -3.4 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.945 | 1.976 | -1.6 | 108 | 0.00 |
| 17 | | 2-Methylphenol | 1.243 | 1.278 | -2.8 | 102 | -0.01 |
| 18 | | Hexachloroethane | 0.630 | 0.640 | -1.6 | 104 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.549 | 1.603 | -3.5 | 106 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.732 | 1.820 | -5.1 | 100 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 102 | -0.01 |
| 22 | | Acetophenone | 0.518 | 0.510 | 1.5 | 101 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.448 | 0.459 | -2.5 | 107 | 0.00 |
| 24 | | Nitrobenzene | 0.482 | 0.499 | -3.5 | 109 | 0.00 |
| 25 | | Isophorone | 0.869 | 0.876 | -0.8 | 104 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.183 | 0.194 | -6.0 | 110 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.311 | 0.332 | -6.8 | 102 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.439 | 0.420 | 4.3 | 101 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.330 | 0.343 | -3.9 | 104 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.362 | 0.356 | 1.7 | 104 | 0.00 |
| 31 | | Naphthalene | 1.031 | 1.009 | 2.1 | 105 | 0.00 |
| 32 | | Benzoic acid | 0.253 | 0.243 | 4.0 | 97 | -0.02 |
| 33 | | 4-Chloroaniline | 0.430 | 0.446 | -3.7 | 104 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.272 | 0.279 | -2.6 | 104 | 0.00 |
| 35 | | Caprolactam | 0.116 | 0.122 | -5.2 | 103 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.441 | 0.457 | -3.6 | 104 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.784 | 0.776 | 1.0 | 100 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.664 | 0.683 | -2.9 | 101 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.335 | 0.343 | -2.4 | 104 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.360 | 0.353 | 1.9 | 93 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.443 | 0.460 | -3.8 | 101 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.448 | 0.477 | -6.5 | 101 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.395 | 1.389 | 0.4 | 101 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.609 | 1.636 | -1.7 | 102 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.181 | 1.183 | -0.2 | 102 | 0.00 |
| 47 | | 2-Nitroaniline | 0.465 | 0.525 | -12.9 | 114 | 0.00 |
| 48 | | Acenaphthylene | 1.969 | 2.010 | -2.1 | 102 | 0.00 |
| 49 | | Dimethylphthalate | 1.715 | 1.737 | -1.3 | 102 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.362 | 0.358 | 1.1 | 99 | 0.00 |
| 51 | C | Acenaphthene | 1.217 | 1.220 | -0.2 | 102 | 0.00 |
| 52 | | 3-Nitroaniline | 0.339 | 0.356 | -5.0 | 99 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.226 | 0.249 | -10.2 | 104 | 0.00 |
| 54 | | Dibenzofuran | 1.900 | 1.911 | -0.6 | 101 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.269 | 0.286 | -6.3 | 110 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.532 | 0.549 | -3.2 | 102 | 0.00 |
| 57 | | Fluorene | 1.647 | 1.667 | -1.2 | 103 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.455 | 0.479 | -5.3 | 103 | 0.00 |
| 59 | | Diethylphthalate | 1.831 | 1.867 | -2.0 | 102 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.887 | 0.910 | -2.6 | 100 | 0.00 |
| 61 | | 4-Nitroaniline | 0.342 | 0.381 | -11.4 | 109 | 0.00 |
| 62 | | Azobenzene | 1.773 | 1.830 | -3.2 | 105 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.139 | 0.144 | -3.6 | 106 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.568 | 0.564 | 0.7 | 102 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.243 | 0.240 | 1.2 | 100 | 0.00 |
| 67 | | Hexachlorobenzene | 0.285 | 0.272 | 4.6 | 98 | 0.00 |
| 68 | | Atrazine | 0.244 | 0.241 | 1.2 | 99 | -0.01 |
| 69 | C | Pentachlorophenol | 0.152 | 0.148 | 2.6 | 95 | 0.00 |
| 70 | | Phenanthrene | 1.040 | 1.033 | 0.7 | 105 | 0.00 |
| 71 | | Anthracene | 1.061 | 1.044 | 1.6 | 103 | 0.00 |
| 72 | | Carbazole | 0.963 | 0.959 | 0.4 | 104 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.149 | 1.152 | -0.3 | 106 | 0.00 |
| 74 | C | Fluoranthene | 1.253 | 1.251 | 0.2 | 102 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 76 | | Benzidine | 0.619 | 0.371 | 40.1# | 58 | 0.00 |
| 77 | | Pyrene | 1.230 | 1.213 | 1.4 | 99 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.878 | 0.892 | -1.6 | 102 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.474 | 0.474 | 0.0 | 106 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.120 | 1.137 | -1.5 | 104 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.448 | 0.475 | -6.0 | 105 | 0.00 |
| 82 | | Chrysene | 1.066 | 1.086 | -1.9 | 105 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.649 | 0.649 | 0.0 | 108 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.065 | 1.086 | -2.0 | 109 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.180 | 1.233 | -4.5 | 110 | -0.03 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 105 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.136 | 1.180 | -3.9 | 111 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.127 | 1.158 | -2.8 | 109 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.079 | 1.126 | -4.4 | 112 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.061 | 1.043 | 1.7 | 105 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 1.020 | 1.022 | -0.2 | 108 | -0.04 |

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