# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041015\
Data File : BF078401.D
Acq On : 10 Apr 2015 16:01
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Apr 13 10:40:39 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 09 11:29:31 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 79 | -0.02 |
| 2 | | 1,4-Dioxane | 0.549 | 0.851 | -55.0# | 122 | -0.09 |
| 3 | | Pyridine | 1.437 | 1.694 | -17.9 | 88 | -0.14 |
| 4 | | n-Nitrosodimethylamine | 0.553 | 0.646 | -16.8 | 94 | -0.12 |
| 5 | S | 2-Fluorophenol | 1.213 | 1.295 | -6.8 | 85 | -0.06 |
| 6 | | Aniline | 2.156 | 2.266 | -5.1 | 85 | -0.03 |
| 7 | S | Phenol-d6 | 1.520 | 1.626 | -7.0 | 86 | -0.01 |
| 8 | | 2-Chlorophenol | 1.434 | 1.466 | -2.2 | 81 | -0.03 |
| 9 | | Benzaldehyde | 1.008 | 0.911 | 9.6 | 70 | -0.05 |
| 10 | C | Phenol | 1.822 | 1.906 | -4.6 | 83 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.310 | 1.310 | 0.0 | 77 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.576 | 1.567 | 0.6 | 81 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 1.586 | 1.607 | -1.3 | 83 | -0.03 |
| 14 | | 1,2-Dichlorobenzene | 1.487 | 1.495 | -0.5 | 81 | -0.03 |
| 15 | | Benzyl Alcohol | 1.068 | 1.189 | -11.3 | 89 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.747 | 1.756 | -0.5 | 80 | -0.02 |
| 17 | | 2-Methylphenol | 1.114 | 1.123 | -0.8 | 79 | -0.01 |
| 18 | | Hexachloroethane | 0.535 | 0.557 | -4.1 | 83 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.003 | 1.028 | -2.5 | 81 | -0.03 |
| 20 | | 3+4-Methylphenols | 1.486 | 1.560 | -5.0 | 82 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 82 | -0.02 |
| 22 | | Acetophenone | 0.466 | 0.480 | -3.0 | 84 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 0.330 | 0.348 | -5.5 | 86 | -0.02 |
| 24 | | Nitrobenzene | 0.345 | 0.364 | -5.5 | 88 | -0.03 |
| 25 | | Isophorone | 0.626 | 0.649 | -3.7 | 81 | -0.03 |
| 26 | C | 2-Nitrophenol | 0.164 | 0.166 | -1.2 | 76 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.306 | 0.309 | -1.0 | 81 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.402 | 0.402 | 0.0 | 81 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.278 | 0.292 | -5.0 | 85 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 0.319 | 0.310 | 2.8 | 81 | -0.03 |
| 31 | | Naphthalene | 1.041 | 1.084 | -4.1 | 86 | -0.03 |
| 32 | | Benzoic acid | 0.132 | 0.198 | -50.0# | 117 | -0.01 |
| 33 | | 4-Chloroaniline | 0.432 | 0.459 | -6.3 | 84 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.175 | 0.178 | -1.7 | 83 | -0.03 |
| 35 | | Caprolactam | 0.083 | 0.094 | -13.3 | 87 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.281 | 0.309 | -10.0 | 87 | -0.02 |
| 37 | | 2-Methylnaphthalene | 0.707 | 0.731 | -3.4 | 85 | -0.03 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 82 | -0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.620 | 0.635 | -2.4 | 83 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 0.227 | 0.224 | 1.3 | 78 | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 0.166 | 0.189 | -13.9 | 89 | -0.05 |
| 42 | C | 2,4,6-Trichlorophenol | 0.391 | 0.438 | -12.0 | 89 | -0.03 |
| 43 | | 2,4,5-Trichlorophenol | 0.408 | 0.428 | -4.9 | 84 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 1.399 | 1.390 | 0.6 | 82 | -0.03 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.636 | 1.672 | -2.2 | 83 | -0.03 |
| 46 | | 2-Chloronaphthalene | 1.287 | 1.317 | -2.3 | 85 | -0.03 |
| 47 | | 2-Nitroaniline | 0.318 | 0.362 | -13.8 | 89 | -0.03 |
| 48 | | Acenaphthylene | 2.079 | 2.179 | -4.8 | 85 | -0.05 |
| 49 | | Dimethylphthalate | 1.503 | 1.547 | -2.9 | 86 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.309 | 0.346 | -12.0 | 88 | -0.03 |
| 51 | C | Acenaphthene | 1.170 | 1.220 | -4.3 | 87 | -0.03 |
| 52 | | 3-Nitroaniline | 0.352 | 0.406 | -15.3 | 87 | -0.03 |
| 53 | P | 2,4-Dinitrophenol | 0.083 | 0.105 | -26.5# | 100 | -0.03 |
| 54 | | Dibenzofuran | 1.787 | 1.880 | -5.2 | 88 | -0.03 |
| 55 | P | 4-Nitrophenol | 0.226 | 0.268 | -18.6 | 88 | -0.03 |
| 56 | | 2,4-Dinitrotoluene | 0.400 | 0.454 | -13.5 | 87 | -0.03 |
| 57 | | Fluorene | 1.449 | 1.538 | -6.1 | 86 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.303 | 0.346 | -14.2 | 89 | -0.03 |
| 59 | | Diethylphthalate | 1.449 | 1.533 | -5.8 | 85 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 0.666 | 0.687 | -3.2 | 85 | -0.05 |
| 61 | | 4-Nitroaniline | 0.355 | 0.435 | -22.5 | 91 | -0.03 |
| 62 | | Azobenzene | 1.322 | 1.377 | -4.2 | 86 | -0.03 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 92 | -0.05 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.087 | 0.098 | -12.6 | 100 | -0.03 |
| 65 | c | n-Nitrosodiphenylamine | 0.692 | 0.663 | 4.2 | 86 | -0.05 |
| 66 | | 4-Bromophenyl-phenylether | 0.212 | 0.201 | 5.2 | 85 | -0.03 |
| 67 | | Hexachlorobenzene | 0.232 | 0.217 | 6.5 | 83 | -0.05 |
| 68 | | Atrazine | 0.200 | 0.209 | -4.5 | 88 | -0.03 |
| 69 | C | Pentachlorophenol | 0.085 | 0.110 | -29.4# | 107 | -0.03 |
| 70 | | Phenanthrene | 1.157 | 1.137 | 1.7 | 87 | -0.05 |
| 71 | | Anthracene | 1.140 | 1.155 | -1.3 | 90 | -0.05 |
| 72 | | Carbazole | 1.068 | 1.095 | -2.5 | 88 | -0.05 |
| 73 | | Di-n-butylphthalate | 1.210 | 1.297 | -7.2 | 91 | -0.03 |
| 74 | C | Fluoranthene | 1.220 | 1.253 | -2.7 | 92 | -0.05 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 92 | -0.06 |
| 76 | | Benzidine | 0.770 | 0.583 | 24.3 | 68 | -0.05 |
| 77 | | Pyrene | 1.256 | 1.249 | 0.6 | 92 | -0.06 |
| 78 | S | Terphenyl-d14 | 0.885 | 0.853 | 3.6 | 88 | -0.06 |
| 79 | | Butylbenzylphthalate | 0.479 | 0.543 | -13.4 | 96 | -0.05 |
| 80 | | Benzo(a)anthracene | 1.190 | 1.205 | -1.3 | 89 | -0.06 |
| 81 | | 3,3'-Dichlorobenzidine | 0.399 | 0.452 | -13.3 | 100 | -0.05 |
| 82 | | Chrysene | 1.118 | 1.152 | -3.0 | 98 | -0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.751 | 0.786 | -4.7 | 89 | -0.03 |
| 84 | c | Di-n-octyl phthalate | 1.232 | 1.406 | -14.1 | 97 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.269 | 1.460 | -15.1 | 103 | -0.06 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 100 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.236 | 1.196 | 3.2 | 100 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.098 | 1.097 | 0.1 | 98 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.079 | 1.089 | -0.9 | 99 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.080 | 1.056 | 2.2 | 97 | -0.06 |
| 91 | Benzo(g,h,i)perylene | 1.083 | 1.112 | -2.7 | 103 | -0.08 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1