# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\
Data File : BF090239.D
Acq On : 27 Sep 2016 1:12
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 27 01:49:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 26 15:58:38 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 | 81 | 0.00 |
| 2 | | 1,4-Dioxane | 0.666 | 0.584 | 12.3 | 78 | 0.00 |
| 3 | | Pyridine | 1.444 | 1.507 | -4.4 | 88 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.431 | 0.435 | -0.9 | 86 | 0.01 |
| 5 | S | 2-Fluorophenol | 1.227 | 1.220 | 0.6 | 83 | 0.00 |
| 6 | | Aniline | 1.889 | 1.868 | 1.1 | 83 | 0.00 |
| 7 | S | Phenol-d6 | 1.515 | 1.545 | -2.0 | 84 | 0.01 |
| 8 | | 2-Chlorophenol | 1.412 | 1.341 | 5.0 | 80 | 0.00 |
| 9 | | Benzaldehyde | 0.660 | 0.736 | -11.5 | 95 | 0.01 |
| 10 | C | Phenol | 1.791 | 1.932 | -7.9 | 87 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.397 | 1.252 | 10.4 | 74 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.475 | 1.449 | 1.8 | 86 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.506 | 1.497 | 0.6 | 88 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.342 | 1.263 | 5.9 | 80 | 0.00 |
| 15 | | Benzyl Alcohol | 0.904 | 0.829 | 8.3 | 76 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.669 | 1.622 | 2.8 | 83 | 0.00 |
| 17 | | 2-Methylphenol | 1.112 | 1.045 | 6.0 | 79 | 0.00 |
| 18 | | Hexachloroethane | 0.537 | 0.464 | 13.6 | 72 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.890 | 0.948 | -6.5 | 89 | 0.01 |
| 20 | | 3+4-Methylphenols | 1.335 | 1.334 | 0.1 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 22 | | Acetophenone | 0.482 | 0.481 | 0.2 | 81 | 0.01 |
| 23 | S | Nitrobenzene-d5 | 0.345 | 0.354 | -2.6 | 86 | 0.00 |
| 24 | | Nitrobenzene | 0.359 | 0.311 | 13.4 | 68 | 0.00 |
| 25 | | Isophorone | 0.721 | 0.685 | 5.0 | 80 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.177 | 0.176 | 0.6 | 81 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.315 | 0.287 | 8.9 | 76 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.436 | 0.396 | 9.2 | 75 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.276 | 0.286 | -3.6 | 83 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.276 | 0.268 | 2.9 | 79 | 0.00 |
| 31 | | Naphthalene | 0.952 | 0.949 | 0.3 | 81 | 0.00 |
| 32 | | Benzoic acid | 0.216 | 0.207 | 4.2 | 72 | 0.00 |
| 33 | | 4-Chloroaniline | 0.395 | 0.361 | 8.6 | 73 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.145 | 0.146 | -0.7 | 84 | 0.00 |
| 35 | | Caprolactam | 0.091 | 0.087 | 4.4 | 81 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.312 | 0.325 | -4.2 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.592 | 0.556 | 6.1 | 78 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 73 | 0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.459 | 0.495 | -7.8 | 83 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.227 | 0.056 | 75.3# | 17# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.172 | 0.160 | 7.0 | 68 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.327 | 0.346 | -5.8 | 74 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.339 | 0.368 | -8.6 | 83 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.019 | 1.221 | -19.8 | 94 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.431 | 1.402 | 2.0 | 71 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.056 | 1.186 | -12.3 | 91 | 0.00 |
| 47 | | 2-Nitroaniline | 0.318 | 0.371 | -16.7 | 92 | 0.00 |
| 48 | | Acenaphthylene | 1.714 | 1.640 | 4.3 | 76 | 0.00 |
| 49 | | Dimethylphthalate | 1.274 | 1.377 | -8.1 | 86 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.284 | 0.276 | 2.8 | 70 | 0.00 |
| 51 | C | Acenaphthene | 1.018 | 1.035 | -1.7 | 77 | 0.01 |
| 52 | | 3-Nitroaniline | 0.333 | 0.385 | -15.6 | 88 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.124 | 0.035# | 71.8# | 18# | 0.00 |
| 54 | | Dibenzofuran | 1.339 | 1.328 | 0.8 | 79 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.228 | 0.199 | 12.7 | 62 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.336 | 0.308 | 8.3 | 65 | 0.00 |
| 57 | | Fluorene | 1.009 | 1.028 | -1.9 | 73 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.254 | 0.233 | 8.3 | 66 | 0.00 |
| 59 | | Diethylphthalate | 1.230 | 1.229 | 0.1 | 74 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.460 | 0.439 | 4.6 | 76 | 0.00 |
| 61 | | 4-Nitroaniline | 0.339 | 0.356 | -5.0 | 74 | 0.00 |
| 62 | | Azobenzene | 1.281 | 1.285 | -0.3 | 73 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 67 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.125 | 0.043 | 65.6# | 24# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.658 | 0.732 | -11.2 | 80 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.197 | 0.201 | -2.0 | 74 | -0.01 |
| 67 | | Hexachlorobenzene | 0.229 | 0.240 | -4.8 | 80 | 0.00 |
| 68 | | Atrazine | 0.180 | 0.177 | 1.7 | 75 | 0.00 |
| 69 | C | Pentachlorophenol | 0.130 | 0.120 | 7.7 | 61 | 0.00 |
| 70 | | Phenanthrene | 0.935 | 0.933 | 0.2 | 66 | 0.00 |
| 71 | | Anthracene | 0.981 | 0.980 | 0.1 | 72 | -0.01 |
| 72 | | Carbazole | 1.037 | 0.991 | 4.4 | 70 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.206 | 1.193 | 1.1 | 70 | 0.00 |
| 74 | C | Fluoranthene | 1.004 | 0.884 | 12.0 | 63 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 60 | 0.00 |
| 76 | | Benzidine | 0.669 | 0.661 | 1.2 | 59 | 0.00 |
| 77 | | Pyrene | 1.369 | 1.248 | 8.8 | 59 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.788 | 0.752 | 4.6 | 66 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.669 | 0.705 | -5.4 | 66 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.076 | 1.098 | -2.0 | 62 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.444 | 0.481 | -8.3 | 68 | 0.00 |
| 82 | | Chrysene | 1.048 | 1.077 | -2.8 | 63 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.857 | 0.919 | -7.2 | 64 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.476 | 1.649 | -11.7 | 64 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.847 | 1.021 | -20.5 | 70 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 66 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.107 | 0.986 | 10.9 | 58 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.039 | 1.096 | -5.5 | 77 | 0.01 |
| 89 C | Benzo(a)pyrene | 1.042 | 1.002 | 3.8 | 66 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.813 | 0.843 | -3.7 | 71 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.796 | 0.789 | 0.9 | 69 | 0.00 |

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