# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF072315\
Data File : BF080603.D
Acq On : 23 Jul 2015 20:42
Operator : TP/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 24 00:55:19 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 23 19:10:33 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 | 105 | 0.00 |
| 2 | | 1,4-Dioxane | 0.552 | 0.539 | 2.4 | 96 | 0.00 |
| 3 | | Pyridine | 1.466 | 1.528 | -4.2 | 100 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.927 | 0.930 | -0.3 | 97 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.158 | 1.180 | -1.9 | 100 | 0.00 |
| 6 | | Aniline | 2.069 | 2.056 | 0.6 | 96 | 0.00 |
| 7 | S | Phenol-d6 | 1.416 | 1.547 | -9.3 | 102 | 0.00 |
| 8 | | 2-Chlorophenol | 1.244 | 1.238 | 0.5 | 96 | 0.00 |
| 9 | | Benzaldehyde | 1.047 | 1.050 | -0.3 | 99 | 0.00 |
| 10 | C | Phenol | 1.694 | 1.969 | -16.2 | 109 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.176 | 1.203 | -2.3 | 104 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.577 | 1.576 | 0.1 | 101 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.548 | 1.532 | 1.0 | 100 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.435 | 1.528 | -6.5 | 105 | 0.00 |
| 15 | | Benzyl Alcohol | 1.247 | 1.235 | 1.0 | 98 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.384 | 2.395 | -0.5 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 0.980 | 0.996 | -1.6 | 100 | 0.00 |
| 18 | | Hexachloroethane | 0.535 | 0.551 | -3.0 | 103 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.959 | 0.966 | -0.7 | 102 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.355 | 1.370 | -1.1 | 101 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 22 | | Acetophenone | 0.487 | 0.478 | 1.8 | 95 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.353 | 0.389 | -10.2 | 106 | 0.00 |
| 24 | | Nitrobenzene | 0.377 | 0.381 | -1.1 | 96 | 0.00 |
| 25 | | Isophorone | 0.654 | 0.654 | 0.0 | 97 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.135 | 0.144 | -6.7 | 109 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.298 | 0.288 | 3.4 | 94 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.361 | 0.350 | 3.0 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.244 | 0.244 | 0.0 | 102 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.317 | 0.319 | -0.6 | 104 | 0.00 |
| 31 | | Naphthalene | 1.000 | 0.967 | 3.3 | 98 | 0.00 |
| 32 | | Benzoic acid | 0.127 | 0.138 | -8.7 | 113 | 0.00 |
| 33 | | 4-Chloroaniline | 0.392 | 0.390 | 0.5 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.191 | -3.2 | 106 | 0.00 |
| 35 | | Caprolactam | 0.066 | 0.070 | -6.1 | 97 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.290 | 0.308 | -6.2 | 99 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.560 | 0.569 | -1.6 | 101 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.676 | 0.719 | -6.4 | 100 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.356 | 0.368 | -3.4 | 97 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.158 | 0.165 | -4.4 | 95 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.379 | 0.397 | -4.7 | 99 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.383 | 0.431 | -12.5 | 106 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.378 | 1.490 | -8.1 | 104 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.628 | 1.755 | -7.8 | 102 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.317 | 1.451 | -10.2 | 105 | 0.00 |
| 47 | | 2-Nitroaniline | 0.402 | 0.435 | -8.2 | 103 | 0.00 |
| 48 | | Acenaphthylene | 1.951 | 2.069 | -6.0 | 101 | 0.00 |
| 49 | | Dimethylphthalate | 1.471 | 1.550 | -5.4 | 96 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.275 | 0.320 | -16.4 | 105 | 0.00 |
| 51 | C | Acenaphthene | 1.172 | 1.217 | -3.8 | 100 | 0.00 |
| 52 | | 3-Nitroaniline | 0.299 | 0.309 | -3.3 | 101 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.076 | 0.074 | 2.6 | 98 | 0.00 |
| 54 | | Dibenzofuran | 1.694 | 1.758 | -3.8 | 97 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.216 | 0.240 | -11.1 | 108 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.345 | 0.403 | -16.8 | 104 | 0.00 |
| 57 | | Fluorene | 1.360 | 1.410 | -3.7 | 95 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.298 | 0.321 | -7.7 | 94 | 0.00 |
| 59 | | Diethylphthalate | 1.373 | 1.415 | -3.1 | 105 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.611 | 0.656 | -7.4 | 103 | 0.00 |
| 61 | | 4-Nitroaniline | 0.301 | 0.309 | -2.7 | 99 | 0.00 |
| 62 | | Azobenzene | 1.439 | 1.544 | -7.3 | 97 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.065 | 0.074 | -13.8 | 111 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.656 | 0.737 | -12.3 | 102 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.203 | 0.231 | -13.8 | 104 | 0.00 |
| 67 | | Hexachlorobenzene | 0.230 | 0.233 | -1.3 | 96 | 0.00 |
| 68 | | Atrazine | 0.180 | 0.217 | -20.6 | 102 | 0.00 |
| 69 | C | Pentachlorophenol | 0.107 | 0.125 | -16.8 | 108 | 0.00 |
| 70 | | Phenanthrene | 1.129 | 1.229 | -8.9 | 99 | 0.00 |
| 71 | | Anthracene | 1.057 | 1.158 | -9.6 | 102 | 0.00 |
| 72 | | Carbazole | 0.914 | 1.003 | -9.7 | 98 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.062 | 1.053 | 0.8 | 86 | -0.01 |
| 74 | C | Fluoranthene | 1.010 | 1.138 | -12.7 | 101 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 98 | -0.05 |
| 76 | | Benzidine | 0.588 | 0.646 | -9.9 | 104 | -0.02 |
| 77 | | Pyrene | 1.342 | 1.378 | -2.7 | 101 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.956 | 0.986 | -3.1 | 101 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.444 | 0.457 | -2.9 | 95 | -0.03 |
| 80 | | Benzo(a)anthracene | 1.128 | 1.196 | -6.0 | 102 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 0.322 | 0.333 | -3.4 | 93 | -0.06 |
| 82 | | Chrysene | 1.122 | 1.107 | 1.3 | 95 | -0.06 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.656 | 0.660 | -0.6 | 95 | -0.06 |
| 84 | c | Di-n-octyl phthalate | 0.829 | 0.878 | -5.9 | 96 | -0.08 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.849 | 0.835 | 1.6 | 90 | -0.09 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 95 | -0.09 |
| 87 | | Benzo(b)fluoranthene | 1.216 | 1.401 | -15.2 | 106 | -0.09 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.211 | 1.208 | 0.2 | 87 | -0.09 |
| 89 C | Benzo(a)pyrene | 1.079 | 1.165 | -8.0 | 96 | -0.08 |
| 90 | Dibenzo(a,h)anthracene | 1.019 | 1.013 | 0.6 | 87 | -0.10 |
| 91 | Benzo(g,h,i)perylene | 1.041 | 1.027 | 1.3 | 87 | -0.10 |

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