# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030315\
Data File : BF077560.D
Acq On : 3 Mar 2015 22:07
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 04 01:27:02 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 03 23:57:38 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 | 93 | 0.00 |
| 2 | | 1,4-Dioxane | 0.508 | 0.490 | 3.5 | 91 | 0.00 |
| 3 | | Pyridine | 1.454 | 1.239 | 14.8 | 74 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.632 | 0.662 | -4.7 | 100 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.198 | 1.198 | 0.0 | 91 | 0.00 |
| 6 | | Aniline | 2.129 | 2.057 | 3.4 | 86 | 0.00 |
| 7 | S | Phenol-d6 | 1.540 | 1.452 | 5.7 | 84 | 0.00 |
| 8 | | 2-Chlorophenol | 1.413 | 1.371 | 3.0 | 89 | 0.00 |
| 9 | | Benzaldehyde | 0.935 | 1.002 | -7.2 | 101 | 0.00 |
| 10 | C | Phenol | 1.828 | 1.764 | 3.5 | 84 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.313 | 1.156 | 12.0 | 82 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.539 | 1.464 | 4.9 | 86 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.566 | 1.445 | 7.7 | 83 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.489 | 1.362 | 8.5 | 82 | 0.00 |
| 15 | | Benzyl Alcohol | 1.171 | 1.080 | 7.8 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.877 | 1.612 | 14.1 | 77 | 0.00 |
| 17 | | 2-Methylphenol | 1.105 | 1.006 | 9.0 | 78 | 0.00 |
| 18 | | Hexachloroethane | 0.523 | 0.457 | 12.6 | 79 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.978 | 0.878 | 10.2 | 79 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.455 | 1.287 | 11.5 | 78 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 22 | | Acetophenone | 0.470 | 0.487 | -3.6 | 85 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.322 | 0.322 | 0.0 | 77 | 0.00 |
| 24 | | Nitrobenzene | 0.338 | 0.338 | 0.0 | 78 | 0.00 |
| 25 | | Isophorone | 0.638 | 0.586 | 8.2 | 69 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.139 | 0.160 | -15.1 | 83 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.310 | 0.302 | 2.6 | 76 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.403 | 0.386 | 4.2 | 75 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.298 | -2.4 | 79 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.320 | 0.313 | 2.2 | 76 | 0.00 |
| 31 | | Naphthalene | 1.000 | 1.028 | -2.8 | 82 | 0.00 |
| 32 | | Benzoic acid | 0.151 | 0.178 | -17.9 | 86 | 0.00 |
| 33 | | 4-Chloroaniline | 0.445 | 0.426 | 4.3 | 73 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.183 | 0.170 | 7.1 | 73 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.088 | 1.1 | 75 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.293 | 0.291 | 0.7 | 75 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.710 | 0.666 | 6.2 | 71 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 69 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.574 | 0.614 | -7.0 | 71 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.308 | 0.319 | -3.6 | 65 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.193 | 0.198 | -2.6 | 66 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.380 | 0.420 | -10.5 | 71 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.406 | 0.468 | -15.3 | 75 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.283 | 1.373 | -7.0 | 73 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.515 | 1.555 | -2.6 | 68 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.188 | 1.303 | -9.7 | 75 | 0.00 |
| 47 | | 2-Nitroaniline | 0.293 | 0.345 | -17.7 | 77 | 0.00 |
| 48 | | Acenaphthylene | 1.881 | 2.017 | -7.2 | 73 | 0.00 |
| 49 | | Dimethylphthalate | 1.406 | 1.381 | 1.8 | 67 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.282 | 0.311 | -10.3 | 68 | 0.00 |
| 51 | C | Acenaphthene | 1.123 | 1.110 | 1.2 | 66 | 0.00 |
| 52 | | 3-Nitroaniline | 0.325 | 0.410 | -26.2# | 80 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.086 | 0.101 | -17.4 | 77 | 0.00 |
| 54 | | Dibenzofuran | 1.733 | 1.743 | -0.6 | 68 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.261 | 0.314 | -20.3 | 75 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.381 | 0.435 | -14.2 | 70 | 0.00 |
| 57 | | Fluorene | 1.386 | 1.415 | -2.1 | 68 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.327 | 0.362 | -10.7 | 70 | 0.00 |
| 59 | | Diethylphthalate | 1.386 | 1.375 | 0.8 | 67 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.668 | 0.679 | -1.6 | 68 | 0.00 |
| 61 | | 4-Nitroaniline | 0.312 | 0.415 | -33.0# | 86 | 0.00 |
| 62 | | Azobenzene | 1.315 | 1.244 | 5.4 | 62 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 72 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.075 | 0.080 | -6.7 | 73 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.664 | 0.621 | 6.5 | 66 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.234 | 0.198 | 15.4 | 61 | 0.00 |
| 67 | | Hexachlorobenzene | 0.251 | 0.220 | 12.4 | 65 | 0.00 |
| 68 | | Atrazine | 0.216 | 0.181 | 16.2 | 64 | 0.00 |
| 69 | C | Pentachlorophenol | 0.132 | 0.125 | 5.3 | 64 | 0.00 |
| 70 | | Phenanthrene | 1.159 | 1.070 | 7.7 | 68 | 0.00 |
| 71 | | Anthracene | 1.150 | 1.138 | 1.0 | 73 | 0.00 |
| 72 | | Carbazole | 1.094 | 1.083 | 1.0 | 69 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.284 | 1.057 | 17.7 | 56 | 0.00 |
| 74 | C | Fluoranthene | 1.266 | 1.218 | 3.8 | 68 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 76 | | Benzidine | 0.676 | 0.609 | 9.9 | 68 | 0.00 |
| 77 | | Pyrene | 1.223 | 1.166 | 4.7 | 68 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.856 | 0.749 | 12.5 | 61 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.503 | 0.437 | 13.1 | 58 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.172 | 1.151 | 1.8 | 70 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.430 | 0.435 | -1.2 | 69 | 0.00 |
| 82 | | Chrysene | 1.101 | 1.065 | 3.3 | 70 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.807 | 0.586 | 27.4# | 50# | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.348 | 0.966 | 28.3# | 48# | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.255 | 1.242 | 1.0 | 69 | 0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 80 | 0.02 |
| 87 | | Benzo(b)fluoranthene | 1.163 | 1.098 | 5.6 | 71 | 0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.140 | 1.083 | 5.0 | 80 | 0.02 |
| 89 C | Benzo(a)pyrene | 1.108 | 1.060 | 4.3 | 74 | 0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.056 | 0.918 | 13.1 | 67 | 0.02 |
| 91 | Benzo(g,h,i)perylene | 1.066 | 0.956 | 10.3 | 70 | 0.02 |

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