# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
Data File : BF078238.D
Acq On : 3 Apr 2015 11:15
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 03 12:44:20 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 02 13:21:29 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 | 103 | 0.01 |
| 2 | | 1,4-Dioxane | 0.549 | 0.556 | -1.3 | 105 | 0.00 |
| 3 | | Pyridine | 1.437 | 1.738 | -20.9 | 119 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.553 | 0.650 | -17.5 | 124 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.213 | 1.297 | -6.9 | 112 | 0.01 |
| 6 | | Aniline | 2.156 | 2.265 | -5.1 | 111 | 0.01 |
| 7 | S | Phenol-d6 | 1.520 | 1.597 | -5.1 | 111 | 0.02 |
| 8 | | 2-Chlorophenol | 1.434 | 1.493 | -4.1 | 108 | 0.01 |
| 9 | | Benzaldehyde | 1.008 | 1.037 | -2.9 | 105 | 0.00 |
| 10 | C | Phenol | 1.822 | 1.850 | -1.5 | 106 | 0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.310 | 1.337 | -2.1 | 104 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.576 | 1.626 | -3.2 | 110 | 0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.586 | 1.592 | -0.4 | 107 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.487 | 1.477 | 0.7 | 106 | 0.00 |
| 15 | | Benzyl Alcohol | 1.068 | 1.187 | -11.1 | 116 | 0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.747 | 1.795 | -2.7 | 108 | 0.00 |
| 17 | | 2-Methylphenol | 1.114 | 1.168 | -4.8 | 107 | 0.02 |
| 18 | | Hexachloroethane | 0.535 | 0.550 | -2.8 | 108 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.003 | 1.061 | -5.8 | 109 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.486 | 1.579 | -6.3 | 109 | 0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 22 | | Acetophenone | 0.466 | 0.478 | -2.6 | 110 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.330 | 0.352 | -6.7 | 115 | 0.01 |
| 24 | | Nitrobenzene | 0.345 | 0.371 | -7.5 | 117 | 0.00 |
| 25 | | Isophorone | 0.626 | 0.653 | -4.3 | 108 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.164 | 0.161 | 1.8 | 96 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.306 | 0.307 | -0.3 | 105 | 0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.402 | 0.402 | 0.0 | 106 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.278 | 0.282 | -1.4 | 107 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.319 | 0.313 | 1.9 | 108 | 0.00 |
| 31 | | Naphthalene | 1.041 | 1.045 | -0.4 | 109 | 0.00 |
| 32 | | Benzoic acid | 0.132 | 0.168 | -27.3# | 130 | 0.01 |
| 33 | | 4-Chloroaniline | 0.432 | 0.431 | 0.2 | 103 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.175 | 0.176 | -0.6 | 108 | 0.00 |
| 35 | | Caprolactam | 0.083 | 0.089 | -7.2 | 109 | 0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.281 | 0.291 | -3.6 | 108 | 0.02 |
| 37 | | 2-Methylnaphthalene | 0.707 | 0.698 | 1.3 | 106 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.620 | 0.622 | -0.3 | 105 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.227 | 0.145 | 36.1# | 66 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.166 | 0.184 | -10.8 | 112 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.391 | 0.430 | -10.0 | 113 | 0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.408 | 0.437 | -7.1 | 111 | 0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.399 | 1.401 | -0.1 | 107 | 0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.636 | 1.695 | -3.6 | 109 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.287 | 1.254 | 2.6 | 104 | 0.00 |
| 47 | | 2-Nitroaniline | 0.318 | 0.369 | -16.0 | 117 | 0.01 |
| 48 | | Acenaphthylene | 2.079 | 2.128 | -2.4 | 108 | 0.00 |
| 49 | | Dimethylphthalate | 1.503 | 1.505 | -0.1 | 108 | 0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.309 | 0.338 | -9.4 | 112 | 0.00 |
| 51 | C | Acenaphthene | 1.170 | 1.178 | -0.7 | 109 | 0.01 |
| 52 | | 3-Nitroaniline | 0.352 | 0.391 | -11.1 | 109 | 0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.083 | 0.012# | 85.5# | 15# | 0.01 |
| 54 | | Dibenzofuran | 1.787 | 1.752 | 2.0 | 106 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.226 | 0.237 | -4.9 | 101 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.400 | 0.424 | -6.0 | 105 | 0.00 |
| 57 | | Fluorene | 1.449 | 1.440 | 0.6 | 105 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.303 | 0.325 | -7.3 | 108 | 0.01 |
| 59 | | Diethylphthalate | 1.449 | 1.489 | -2.8 | 106 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.666 | 0.668 | -0.3 | 107 | 0.00 |
| 61 | | 4-Nitroaniline | 0.355 | 0.392 | -10.4 | 106 | 0.01 |
| 62 | | Azobenzene | 1.322 | 1.473 | -11.4 | 119 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.087 | 0.026 | 70.1# | 32# | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.692 | 0.710 | -2.6 | 110 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.212 | 0.207 | 2.4 | 104 | 0.00 |
| 67 | | Hexachlorobenzene | 0.232 | 0.226 | 2.6 | 104 | 0.00 |
| 68 | | Atrazine | 0.200 | 0.205 | -2.5 | 103 | 0.00 |
| 69 | C | Pentachlorophenol | 0.085 | 0.089 | -4.7 | 103 | 0.01 |
| 70 | | Phenanthrene | 1.157 | 1.154 | 0.3 | 106 | 0.00 |
| 71 | | Anthracene | 1.140 | 1.159 | -1.7 | 108 | 0.01 |
| 72 | | Carbazole | 1.068 | 1.076 | -0.7 | 103 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.210 | 1.323 | -9.3 | 111 | 0.00 |
| 74 | C | Fluoranthene | 1.220 | 1.282 | -5.1 | 112 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 76 | | Benzidine | 0.770 | 0.579 | 24.8 | 82 | 0.00 |
| 77 | | Pyrene | 1.256 | 1.229 | 2.1 | 110 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.885 | 0.858 | 3.1 | 107 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.479 | 0.551 | -15.0 | 119 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.190 | 1.167 | 1.9 | 105 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.399 | 0.402 | -0.8 | 109 | 0.00 |
| 82 | | Chrysene | 1.118 | 1.103 | 1.3 | 114 | 0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.751 | 0.837 | -11.5 | 116 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.232 | 1.481 | -20.2# | 125 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.269 | 1.347 | -6.1 | 116 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 114 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.236 | 1.157 | 6.4 | 110 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.098 | 1.179 | -7.4 | 120 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.079 | 1.116 | -3.4 | 115 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.080 | 1.112 | -3.0 | 116 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 1.083 | 1.104 | -1.9 | 116 | -0.02 |

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