# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
Data File : BF081378.D
Acq On : 3 Sep 2015 15:29
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 04 03:50:44 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 04 01:59:21 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 | 102 | -0.01 |
| 2 | | 1,4-Dioxane | 0.579 | 0.571 | 1.4 | 102 | -0.05 |
| 3 | | Pyridine | 1.596 | 1.458 | 8.6 | 81 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 0.887 | 1.010 | -13.9 | 110 | -0.05 |
| 5 | S | 2-Fluorophenol | 1.289 | 1.325 | -2.8 | 110 | -0.01 |
| 6 | | Aniline | 2.410 | 2.498 | -3.7 | 106 | -0.01 |
| 7 | S | Phenol-d6 | 1.706 | 1.762 | -3.3 | 104 | -0.01 |
| 8 | | 2-Chlorophenol | 1.420 | 1.500 | -5.6 | 108 | -0.01 |
| 9 | | Benzaldehyde | 1.069 | 1.107 | -3.6 | 106 | -0.01 |
| 10 | C | Phenol | 1.979 | 1.916 | 3.2 | 90 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.428 | 1.485 | -4.0 | 106 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.518 | 1.586 | -4.5 | 109 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.545 | 1.549 | -0.3 | 103 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.391 | 1.331 | 4.3 | 100 | -0.01 |
| 15 | | Benzyl Alcohol | 1.400 | 1.411 | -0.8 | 97 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.736 | 2.979 | -8.9 | 116 | -0.01 |
| 17 | | 2-Methylphenol | 1.133 | 1.197 | -5.6 | 106 | -0.01 |
| 18 | | Hexachloroethane | 0.601 | 0.605 | -0.7 | 103 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.161 | 1.350 | -16.3 | 124 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.528 | 1.573 | -2.9 | 106 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 112 | -0.01 |
| 22 | | Acetophenone | 0.546 | 0.525 | 3.8 | 104 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.415 | 0.416 | -0.2 | 110 | -0.02 |
| 24 | | Nitrobenzene | 0.430 | 0.428 | 0.5 | 106 | -0.02 |
| 25 | | Isophorone | 0.771 | 0.787 | -2.1 | 116 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.188 | 0.197 | -4.8 | 123 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.324 | 0.339 | -4.6 | 104 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.445 | 0.422 | 5.2 | 94 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.281 | 0.296 | -5.3 | 114 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.305 | 0.302 | 1.0 | 105 | -0.02 |
| 31 | | Naphthalene | 1.067 | 1.037 | 2.8 | 108 | -0.01 |
| 32 | | Benzoic acid | 0.221 | 0.211 | 4.5 | 96 | -0.01 |
| 33 | | 4-Chloroaniline | 0.435 | 0.411 | 5.5 | 93 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.186 | 0.194 | -4.3 | 121 | -0.01 |
| 35 | | Caprolactam | 0.086 | 0.097 | -12.8 | 120 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.315 | 0.367 | -16.5 | 130 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.694 | 0.720 | -3.7 | 124 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 110 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.633 | 0.644 | -1.7 | 109 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.310 | 0.279 | 10.0 | 97 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.178 | 0.200 | -12.4 | 118 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.437 | 0.432 | 1.1 | 111 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.445 | 0.447 | -0.4 | 108 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.561 | 1.621 | -3.8 | 109 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.840 | 1.915 | -4.1 | 127 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.329 | 1.222 | 8.1 | 95 | -0.02 |
| 47 | | 2-Nitroaniline | 0.542 | 0.615 | -13.5 | 121 | -0.01 |
| 48 | | Acenaphthylene | 2.357 | 2.408 | -2.2 | 123 | -0.01 |
| 49 | | Dimethylphthalate | 1.554 | 1.652 | -6.3 | 121 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.353 | 0.368 | -4.2 | 108 | -0.01 |
| 51 | C | Acenaphthene | 1.341 | 1.341 | 0.0 | 123 | -0.01 |
| 52 | | 3-Nitroaniline | 0.402 | 0.392 | 2.5 | 106 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.149 | 0.135 | 9.4 | 94 | -0.01 |
| 54 | | Dibenzofuran | 1.958 | 1.946 | 0.6 | 119 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.252 | 0.252 | 0.0 | 94 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.449 | 0.441 | 1.8 | 107 | -0.02 |
| 57 | | Fluorene | 1.486 | 1.596 | -7.4 | 111 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.340 | 0.332 | 2.4 | 111 | -0.01 |
| 59 | | Diethylphthalate | 1.635 | 1.610 | 1.5 | 108 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.693 | 0.763 | -10.1 | 126 | -0.01 |
| 61 | | 4-Nitroaniline | 0.406 | 0.420 | -3.4 | 121 | -0.01 |
| 62 | | Azobenzene | 1.817 | 1.893 | -4.2 | 108 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 113 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.112 | 0.115 | -2.7 | 101 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.728 | 0.719 | 1.2 | 112 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.202 | 0.197 | 2.5 | 124 | -0.01 |
| 67 | | Hexachlorobenzene | 0.211 | 0.219 | -3.8 | 125 | -0.01 |
| 68 | | Atrazine | 0.211 | 0.209 | 0.9 | 116 | -0.01 |
| 69 | C | Pentachlorophenol | 0.082 | 0.103 | -25.6# | 141 | -0.01 |
| 70 | | Phenanthrene | 1.112 | 0.980 | 11.9 | 97 | -0.02 |
| 71 | | Anthracene | 1.142 | 1.191 | -4.3 | 122 | -0.01 |
| 72 | | Carbazole | 1.072 | 0.913 | 14.8 | 103 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.266 | 1.217 | 3.9 | 116 | -0.01 |
| 74 | C | Fluoranthene | 1.204 | 1.203 | 0.1 | 121 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 91 | -0.02 |
| 76 | | Benzidine | 0.859 | 0.621 | 27.7# | 75 | -0.01 |
| 77 | | Pyrene | 1.481 | 1.519 | -2.6 | 96 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.859 | 1.038 | -20.8 | 133 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.644 | 0.715 | -11.0 | 110 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.274 | 1.316 | -3.3 | 97 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.430 | 0.450 | -4.7 | 109 | -0.01 |
| 82 | | Chrysene | 1.142 | 1.314 | -15.1 | 133 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.850 | 0.924 | -8.7 | 114 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.400 | 1.347 | 3.8 | 98 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.838 | 0.809 | 3.5 | 96 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 86 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.428 | 1.414 | 1.0 | 70 | -0.02 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.185 | 1.235 | -4.2 | 109 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.210 | 1.230 | -1.7 | 93 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.935 | 1.019 | -9.0 | 94 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.892 | 1.051 | -17.8 | 104 | -0.02 |

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