# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
Data File : BF082470.D
Acq On : 23 Oct 2015 17:28
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 24 07:03:20 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 15:17:13 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 | 124 | 0.00 |
| 2 | | 1,4-Dioxane | 0.498 | 0.422 | 15.3 | 112 | 0.00 |
| 3 | | Pyridine | 1.158 | 1.199 | -3.5 | 131 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.491 | 0.502 | -2.2 | 123 | -0.01 |
| 5 | S | 2-Fluorophenol | 0.991 | 1.031 | -4.0 | 124 | 0.00 |
| 6 | | Aniline | 1.663 | 1.645 | 1.1 | 118 | -0.01 |
| 7 | S | Phenol-d6 | 1.290 | 1.263 | 2.1 | 118 | -0.01 |
| 8 | | 2-Chlorophenol | 1.210 | 1.140 | 5.8 | 120 | -0.01 |
| 9 | | Benzaldehyde | 0.659 | 0.669 | -1.5 | 117 | -0.01 |
| 10 | C | Phenol | 1.487 | 1.490 | -0.2 | 116 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.257 | 1.168 | 7.1 | 113 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.409 | 1.360 | 3.5 | 121 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.471 | 1.373 | 6.7 | 115 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.397 | 1.372 | 1.8 | 133 | 0.00 |
| 15 | | Benzyl Alcohol | 0.890 | 0.963 | -8.2 | 130 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.751 | 1.527 | 12.8 | 116 | -0.01 |
| 17 | | 2-Methylphenol | 0.957 | 0.901 | 5.9 | 118 | -0.01 |
| 18 | | Hexachloroethane | 0.504 | 0.461 | 8.5 | 117 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.906 | 0.902 | 0.4 | 128 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.140 | 1.164 | -2.1 | 130 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 22 | | Acetophenone | 0.396 | 0.398 | -0.5 | 128 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.298 | 0.308 | -3.4 | 126 | 0.00 |
| 24 | | Nitrobenzene | 0.322 | 0.290 | 9.9 | 124 | -0.01 |
| 25 | | Isophorone | 0.601 | 0.574 | 4.5 | 123 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.161 | 0.179 | -11.2 | 124 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.259 | 0.278 | -7.3 | 139 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.350 | 0.365 | -4.3 | 122 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.259 | 0.256 | 1.2 | 115 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.299 | 0.297 | 0.7 | 125 | 0.00 |
| 31 | | Naphthalene | 0.867 | 0.869 | -0.2 | 130 | 0.00 |
| 32 | | Benzoic acid | 0.174 | 0.141 | 19.0 | 103 | -0.03 |
| 33 | | 4-Chloroaniline | 0.360 | 0.357 | 0.8 | 117 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.186 | 0.177 | 4.8 | 121 | 0.00 |
| 35 | | Caprolactam | 0.075 | 0.080 | -6.7 | 124 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.254 | 0.255 | -0.4 | 126 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.601 | 0.574 | 4.5 | 117 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.595 | 0.586 | 1.5 | 130 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.245 | 0.158 | 35.5# | 75 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.188 | 0.144 | 23.4 | 101 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.395 | 0.383 | 3.0 | 129 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.428 | 0.382 | 10.7 | 113 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.206 | 1.260 | -4.5 | 123 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.525 | 1.406 | 7.8 | 125 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.201 | 1.134 | 5.6 | 121 | 0.00 |
| 47 | | 2-Nitroaniline | 0.330 | 0.356 | -7.9 | 139 | -0.01 |
| 48 | | Acenaphthylene | 1.870 | 1.847 | 1.2 | 125 | 0.00 |
| 49 | | Dimethylphthalate | 1.408 | 1.392 | 1.1 | 139 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.297 | 0.270 | 9.1 | 109 | -0.01 |
| 51 | C | Acenaphthene | 1.123 | 1.056 | 6.0 | 117 | 0.00 |
| 52 | | 3-Nitroaniline | 0.336 | 0.304 | 9.5 | 111 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.143 | 0.114 | 20.3 | 92 | -0.01 |
| 54 | | Dibenzofuran | 1.541 | 1.506 | 2.3 | 122 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.192 | 0.150 | 21.9 | 91 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.371 | 0.386 | -4.0 | 127 | -0.01 |
| 57 | | Fluorene | 1.266 | 1.277 | -0.9 | 128 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.350 | 0.316 | 9.7 | 122 | 0.00 |
| 59 | | Diethylphthalate | 1.313 | 1.290 | 1.8 | 127 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.580 | 0.542 | 6.6 | 124 | -0.01 |
| 61 | | 4-Nitroaniline | 0.326 | 0.338 | -3.7 | 124 | -0.01 |
| 62 | | Azobenzene | 1.285 | 1.169 | 9.0 | 121 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 128 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.112 | 0.117 | -4.5 | 121 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.599 | 0.543 | 9.3 | 118 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.200 | 0.184 | 8.0 | 122 | -0.01 |
| 67 | | Hexachlorobenzene | 0.216 | 0.201 | 6.9 | 120 | 0.00 |
| 68 | | Atrazine | 0.190 | 0.204 | -7.4 | 152# | 0.00 |
| 69 | C | Pentachlorophenol | 0.111 | 0.096 | 13.5 | 99 | -0.01 |
| 70 | | Phenanthrene | 0.980 | 0.912 | 6.9 | 127 | -0.01 |
| 71 | | Anthracene | 1.010 | 1.036 | -2.6 | 127 | 0.00 |
| 72 | | Carbazole | 0.922 | 0.915 | 0.8 | 131 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.137 | 1.048 | 7.8 | 120 | -0.01 |
| 74 | C | Fluoranthene | 1.053 | 0.974 | 7.5 | 117 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 121 | -0.08 |
| 76 | | Benzidine | 0.580 | 0.568 | 2.1 | 115 | -0.02 |
| 77 | | Pyrene | 1.187 | 1.128 | 5.0 | 120 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.755 | 0.676 | 10.5 | 111 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.542 | 0.585 | -7.9 | 138 | -0.05 |
| 80 | | Benzo(a)anthracene | 1.041 | 0.973 | 6.5 | 118 | -0.08 |
| 81 | | 3,3'-Dichlorobenzidine | 0.395 | 0.397 | -0.5 | 125 | -0.08 |
| 82 | | Chrysene | 1.096 | 0.943 | 14.0 | 119 | -0.09 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.773 | 0.766 | 0.9 | 121 | -0.08 |
| 84 | c | Di-n-octyl phthalate | 1.327 | 1.349 | -1.7 | 131 | -0.15 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.872 | 0.784 | 10.1 | 122 | -0.22 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 121 | -0.21 |
| 87 | | Benzo(b)fluoranthene | 1.217 | 1.178 | 3.2 | 106 | -0.18 |

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| 88 | Benzo(k)fluoranthene | 1.023 | 1.039 | -1.6 | 146 | -0.19 |
| 89 C | Benzo(a)pyrene | 1.046 | 1.004 | 4.0 | 121 | -0.21 |
| 90 | Dibenzo(a,h)anthracene | 0.857 | 0.821 | 4.2 | 121 | -0.23 |
| 91 | Benzo(g,h,i)perylene | 0.832 | 0.790 | 5.0 | 124 | -0.24 |

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