# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052915\
Data File : BF079582.D
Acq On : 30 May 2015 3:16
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 01 12:00:57 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 29 23:13:06 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 | 122 | 0.05 |
| 2 | | 1,4-Dioxane | 0.549 | 0.635 | -15.7 | 141 | 0.08 |
| 3 | | Pyridine | 1.208 | 1.446 | -19.7 | 141 | 0.07 |
| 4 | | n-Nitrosodimethylamine | 0.595 | 0.602 | -1.2 | 129 | 0.08 |
| 5 | S | 2-Fluorophenol | 1.153 | 1.184 | -2.7 | 123 | 0.06 |
| 6 | | Aniline | 2.086 | 2.132 | -2.2 | 123 | 0.05 |
| 7 | S | Phenol-d6 | 1.470 | 1.519 | -3.3 | 122 | 0.05 |
| 8 | | 2-Chlorophenol | 1.342 | 1.404 | -4.6 | 120 | 0.05 |
| 9 | | Benzaldehyde | 0.868 | 0.856 | 1.4 | 124 | 0.05 |
| 10 | C | Phenol | 1.731 | 1.763 | -1.8 | 118 | 0.05 |
| 11 | | bis(2-Chloroethyl)ether | 1.252 | 1.331 | -6.3 | 129 | 0.05 |
| 12 | | 1,3-Dichlorobenzene | 1.487 | 1.532 | -3.0 | 122 | 0.05 |
| 13 | C | 1,4-Dichlorobenzene | 1.517 | 1.567 | -3.3 | 123 | 0.05 |
| 14 | | 1,2-Dichlorobenzene | 1.409 | 1.451 | -3.0 | 123 | 0.05 |
| 15 | | Benzyl Alcohol | 1.080 | 1.147 | -6.2 | 129 | 0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.832 | 1.823 | 0.5 | 121 | 0.05 |
| 17 | | 2-Methylphenol | 1.055 | 1.097 | -4.0 | 123 | 0.05 |
| 18 | | Hexachloroethane | 0.522 | 0.539 | -3.3 | 120 | 0.05 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.034 | 1.043 | -0.9 | 125 | 0.05 |
| 20 | | 3+4-Methylphenols | 1.449 | 1.453 | -0.3 | 119 | 0.05 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 121 | 0.05 |
| 22 | | Acetophenone | 0.448 | 0.463 | -3.3 | 125 | 0.05 |
| 23 | S | Nitrobenzene-d5 | 0.346 | 0.368 | -6.4 | 126 | 0.05 |
| 24 | | Nitrobenzene | 0.341 | 0.355 | -4.1 | 128 | 0.05 |
| 25 | | Isophorone | 0.631 | 0.646 | -2.4 | 121 | 0.05 |
| 26 | C | 2-Nitrophenol | 0.161 | 0.179 | -11.2 | 128 | 0.05 |
| 27 | | 2,4-Dimethylphenol | 0.290 | 0.293 | -1.0 | 120 | 0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 0.391 | 0.397 | -1.5 | 121 | 0.03 |
| 29 | C | 2,4-Dichlorophenol | 0.266 | 0.289 | -8.6 | 130 | 0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 0.276 | 0.292 | -5.8 | 125 | 0.05 |
| 31 | | Naphthalene | 0.960 | 0.967 | -0.7 | 121 | 0.05 |
| 32 | | Benzoic acid | 0.180 | 0.177 | 1.7 | 114 | 0.03 |
| 33 | | 4-Chloroaniline | 0.401 | 0.421 | -5.0 | 124 | 0.03 |
| 34 | C | Hexachlorobutadiene | 0.157 | 0.165 | -5.1 | 122 | 0.03 |
| 35 | | Caprolactam | 0.084 | 0.080 | 4.8 | 109 | 0.05 |
| 36 | C | 4-Chloro-3-methylphenol | 0.276 | 0.291 | -5.4 | 126 | 0.05 |
| 37 | | 2-Methylnaphthalene | 0.666 | 0.705 | -5.9 | 127 | 0.05 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 123 | 0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.559 | 0.596 | -6.6 | 127 | 0.05 |
| 40 | P | Hexachlorocyclopentadiene | 0.121 | 0.100 | 17.4 | 107 | 0.05 |
| 41 | S | 2,4,6-Tribromophenol | 0.220 | 0.225 | -2.3 | 119 | 0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 0.391 | 0.395 | -1.0 | 118 | 0.05 |
| 43 | | 2,4,5-Trichlorophenol | 0.389 | 0.416 | -6.9 | 131 | 0.05 |
| 44 | S | 2-Fluorobiphenyl | 1.402 | 1.410 | -0.6 | 119 | 0.05 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.562 | 1.630 | -4.4 | 124 | 0.05 |
| 46 | | 2-Chloronaphthalene | 1.234 | 1.245 | -0.9 | 117 | 0.05 |
| 47 | | 2-Nitroaniline | 0.367 | 0.370 | -0.8 | 120 | 0.05 |
| 48 | | Acenaphthylene | 2.048 | 2.099 | -2.5 | 122 | 0.03 |
| 49 | | Dimethylphthalate | 1.474 | 1.448 | 1.8 | 120 | 0.05 |
| 50 | | 2,6-Dinitrotoluene | 0.294 | 0.316 | -7.5 | 128 | 0.05 |
| 51 | C | Acenaphthene | 1.171 | 1.160 | 0.9 | 119 | 0.05 |
| 52 | | 3-Nitroaniline | 0.383 | 0.374 | 2.3 | 118 | 0.05 |
| 53 | P | 2,4-Dinitrophenol | 0.086 | 0.064 | 25.6# | 97 | 0.05 |
| 54 | | Dibenzofuran | 1.727 | 1.727 | 0.0 | 120 | 0.05 |
| 55 | P | 4-Nitrophenol | 0.212 | 0.245 | -15.6 | 157# | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.395 | 0.405 | -2.5 | 118 | 0.05 |
| 57 | | Fluorene | 1.424 | 1.465 | -2.9 | 120 | 0.05 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.283 | 0.297 | -4.9 | 123 | 0.03 |
| 59 | | Diethylphthalate | 1.443 | 1.442 | 0.1 | 121 | 0.05 |
| 60 | | 4-Chlorophenyl-phenylether | 0.615 | 0.631 | -2.6 | 119 | 0.05 |
| 61 | | 4-Nitroaniline | 0.357 | 0.354 | 0.8 | 120 | 0.05 |
| 62 | | Azobenzene | 1.403 | 1.306 | 6.9 | 115 | 0.05 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 115 | 0.05 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.092 | 0.088 | 4.3 | 107 | 0.05 |
| 65 | c | n-Nitrosodiphenylamine | 0.664 | 0.706 | -6.3 | 119 | 0.03 |
| 66 | | 4-Bromophenyl-phenylether | 0.206 | 0.227 | -10.2 | 121 | 0.05 |
| 67 | | Hexachlorobenzene | 0.235 | 0.257 | -9.4 | 123 | 0.05 |
| 68 | | Atrazine | 0.179 | 0.192 | -7.3 | 116 | 0.05 |
| 69 | C | Pentachlorophenol | 0.090 | 0.076 | 15.6 | 97 | 0.05 |
| 70 | | Phenanthrene | 1.097 | 1.131 | -3.1 | 117 | 0.03 |
| 71 | | Anthracene | 1.114 | 1.117 | -0.3 | 112 | 0.05 |
| 72 | | Carbazole | 1.072 | 1.066 | 0.6 | 112 | 0.05 |
| 73 | | Di-n-butylphthalate | 1.316 | 1.304 | 0.9 | 115 | 0.05 |
| 74 | C | Fluoranthene | 1.177 | 1.139 | 3.2 | 108 | 0.05 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 106 | 0.05 |
| 76 | | Benzidine | 0.428 | 0.603 | -40.9# | 150# | 0.05 |
| 77 | | Pyrene | 1.239 | 1.278 | -3.1 | 109 | 0.05 |
| 78 | S | Terphenyl-d14 | 0.852 | 0.875 | -2.7 | 106 | 0.05 |
| 79 | | Butylbenzylphthalate | 0.557 | 0.589 | -5.7 | 112 | 0.05 |
| 80 | | Benzo(a)anthracene | 1.151 | 1.131 | 1.7 | 106 | 0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 0.421 | 0.424 | -0.7 | 105 | 0.05 |
| 82 | | Chrysene | 1.094 | 1.098 | -0.4 | 106 | 0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.798 | 0.826 | -3.5 | 109 | 0.03 |
| 84 | c | Di-n-octyl phthalate | 1.389 | 1.431 | -3.0 | 110 | 0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.407 | 1.413 | -0.4 | 108 | 0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 103 | 0.02 |
| 87 | | Benzo(b)fluoranthene | 1.141 | 1.120 | 1.8 | 104 | 0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.020 | 1.170 | -14.7 | 104 | 0.03 |
| 89 C | Benzo(a)pyrene | 1.096 | 1.097 | -0.1 | 104 | 0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.191 | 1.163 | 2.4 | 108 | 0.02 |
| 91 | Benzo(g,h,i)perylene | 1.200 | 1.167 | 2.7 | 106 | 0.03 |

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