# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061615\
Data File : BF080003.D
Acq On : 17 Jun 2015 00:10
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 17 04:22:13 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 15 15:44:31 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 | 144 | 0.00 |
| 2 | | 1,4-Dioxane | 0.496 | 0.534 | -7.7 | 152# | 0.00 |
| 3 | | Pyridine | 1.272 | 1.620 | -27.4# | 197# | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.627 | 0.684 | -9.1 | 172# | 0.00 |
| 5 | S | 2-Fluorophenol | 1.091 | 1.158 | -6.1 | 150# | 0.00 |
| 6 | | Aniline | 2.151 | 2.328 | -8.2 | 148 | 0.00 |
| 7 | S | Phenol-d6 | 1.486 | 1.587 | -6.8 | 144 | 0.00 |
| 8 | | 2-Chlorophenol | 1.326 | 1.404 | -5.9 | 146 | 0.00 |
| 9 | | Benzaldehyde | 0.854 | 0.779 | 8.8 | 140 | 0.00 |
| 10 | C | Phenol | 1.634 | 1.609 | 1.5 | 132 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.315 | 1.238 | 5.9 | 126 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.546 | 1.584 | -2.5 | 142 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.606 | 1.707 | -6.3 | 149 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.427 | 1.462 | -2.5 | 144 | -0.01 |
| 15 | | Benzyl Alcohol | 1.191 | 1.361 | -14.3 | 157# | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.948 | 1.953 | -0.3 | 138 | 0.00 |
| 17 | | 2-Methylphenol | 1.158 | 1.137 | 1.8 | 135 | 0.00 |
| 18 | | Hexachloroethane | 0.497 | 0.565 | -13.7 | 157# | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.062 | 1.019 | 4.0 | 131 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.480 | 1.503 | -1.6 | 137 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 135 | 0.00 |
| 22 | | Acetophenone | 0.472 | 0.513 | -8.7 | 141 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.303 | 0.398 | -31.4# | 172# | 0.00 |
| 24 | | Nitrobenzene | 0.322 | 0.371 | -15.2 | 150# | 0.00 |
| 25 | | Isophorone | 0.705 | 0.702 | 0.4 | 129 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.100 | 0.161 | -61.0# | 206# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.316 | 0.306 | 3.2 | 132 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.419 | 0.455 | -8.6 | 142 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.265 | 0.284 | -7.2 | 144 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.337 | 0.342 | -1.5 | 136 | 0.00 |
| 31 | | Naphthalene | 1.093 | 1.128 | -3.2 | 136 | 0.00 |
| 32 | | Benzoic acid | 0.107 | 0.153 | -43.0# | 179# | 0.00 |
| 33 | | 4-Chloroaniline | 0.424 | 0.574 | -35.4# | 175# | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.187 | 0.194 | -3.7 | 142 | 0.00 |
| 35 | | Caprolactam | 0.084 | 0.088 | -4.8 | 123 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.302 | 0.312 | -3.3 | 130 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.739 | 0.755 | -2.2 | 136 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 129 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.670 | 0.673 | -0.4 | 131 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.211 | 0.294 | -39.3# | 164# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.182 | 0.202 | -11.0 | 126 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.413 | 0.435 | -5.3 | 130 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.456 | 0.480 | -5.3 | 130 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.428 | 1.409 | 1.3 | 133 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.619 | 1.583 | 2.2 | 128 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.378 | 1.416 | -2.8 | 135 | 0.00 |
| 47 | | 2-Nitroaniline | 0.256 | 0.385 | -50.4# | 180# | 0.00 |
| 48 | | Acenaphthylene | 2.326 | 2.388 | -2.7 | 132 | 0.00 |
| 49 | | Dimethylphthalate | 1.602 | 1.463 | 8.7 | 119 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.250 | 0.324 | -29.6# | 144 | 0.00 |
| 51 | C | Acenaphthene | 1.322 | 1.404 | -6.2 | 138 | 0.00 |
| 52 | | 3-Nitroaniline | 0.319 | 0.370 | -16.0 | 136 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.037 | 0.092 | -148.6# | 305# | 0.00 |
| 54 | | Dibenzofuran | 1.932 | 1.918 | 0.7 | 127 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.215 | 0.265 | -23.3 | 140 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.314 | 0.412 | -31.2# | 142 | 0.00 |
| 57 | | Fluorene | 1.684 | 1.550 | 8.0 | 114 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.345 | 0.410 | -18.8 | 140 | 0.00 |
| 59 | | Diethylphthalate | 1.602 | 1.587 | 0.9 | 123 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.752 | 0.738 | 1.9 | 127 | 0.00 |
| 61 | | 4-Nitroaniline | 0.326 | 0.394 | -20.9 | 134 | 0.00 |
| 62 | | Azobenzene | 1.542 | 1.622 | -5.2 | 133 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.038 | 0.093 | -144.7# | 275# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.646 | 0.711 | -10.1 | 127 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.224 | 0.209 | 6.7 | 106 | 0.00 |
| 67 | | Hexachlorobenzene | 0.244 | 0.242 | 0.8 | 112 | 0.00 |
| 68 | | Atrazine | 0.199 | 0.193 | 3.0 | 105 | 0.00 |
| 69 | C | Pentachlorophenol | 0.095 | 0.129 | -35.8# | 154# | 0.00 |
| 70 | | Phenanthrene | 1.192 | 1.260 | -5.7 | 121 | 0.00 |
| 71 | | Anthracene | 1.153 | 1.152 | 0.1 | 115 | -0.01 |
| 72 | | Carbazole | 1.119 | 1.071 | 4.3 | 107 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.219 | 1.171 | 3.9 | 108 | -0.01 |
| 74 | C | Fluoranthene | 1.318 | 1.276 | 3.2 | 108 | -0.03 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 110 | -0.09 |
| 76 | | Benzidine | 0.554 | 0.593 | -7.0 | 120 | -0.03 |
| 77 | | Pyrene | 1.256 | 1.224 | 2.5 | 110 | -0.05 |
| 78 | S | Terphenyl-d14 | 0.867 | 0.885 | -2.1 | 115 | -0.05 |
| 79 | | Butylbenzylphthalate | 0.424 | 0.483 | -13.9 | 117 | -0.07 |
| 80 | | Benzo(a)anthracene | 1.270 | 1.220 | 3.9 | 110 | -0.09 |
| 81 | | 3,3'-Dichlorobenzidine | 0.406 | 0.407 | -0.2 | 106 | -0.09 |
| 82 | | Chrysene | 1.229 | 1.153 | 6.2 | 110 | -0.09 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.679 | 0.743 | -9.4 | 113 | -0.10 |
| 84 | c | Di-n-octyl phthalate | 1.107 | 1.205 | -8.9 | 109 | -0.14 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.330 | 1.408 | -5.9 | 119 | -0.15 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 113 | -0.14 |
| 87 | | Benzo(b)fluoranthene | 1.225 | 1.210 | 1.2 | 115 | -0.13 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.250 | 1.255 | -0.4 | 108 | -0.13 |
| 89 C | Benzo(a)pyrene | 1.165 | 1.168 | -0.3 | 113 | -0.14 |
| 90 | Dibenzo(a,h)anthracene | 1.146 | 1.164 | -1.6 | 119 | -0.15 |
| 91 | Benzo(g,h,i)perylene | 1.185 | 1.179 | 0.5 | 116 | -0.14 |

(#) = Out of Range SPCC's out = 0 CCC's out = 2