# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079487.D
Acq On : 26 May 2015 20:55
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 27 01:06:23 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 26 19:25:27 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 | 125 | 0.00 |
| 2 | | 1,4-Dioxane | 0.549 | 0.601 | -9.5 | 138 | 0.00 |
| 3 | | Pyridine | 1.208 | 1.335 | -10.5 | 134 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.595 | 0.659 | -10.8 | 146 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.153 | 1.194 | -3.6 | 128 | 0.00 |
| 6 | | Aniline | 2.086 | 2.188 | -4.9 | 130 | 0.00 |
| 7 | S | Phenol-d6 | 1.470 | 1.542 | -4.9 | 128 | 0.00 |
| 8 | | 2-Chlorophenol | 1.342 | 1.399 | -4.2 | 124 | 0.00 |
| 9 | | Benzaldehyde | 0.868 | 0.848 | 2.3 | 127 | 0.00 |
| 10 | C | Phenol | 1.731 | 1.849 | -6.8 | 128 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.252 | 1.322 | -5.6 | 132 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.487 | 1.524 | -2.5 | 126 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.517 | 1.566 | -3.2 | 127 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.409 | 1.468 | -4.2 | 129 | 0.00 |
| 15 | | Benzyl Alcohol | 1.080 | 1.118 | -3.5 | 130 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.832 | 1.846 | -0.8 | 126 | 0.00 |
| 17 | | 2-Methylphenol | 1.055 | 1.101 | -4.4 | 127 | 0.00 |
| 18 | | Hexachloroethane | 0.522 | 0.545 | -4.4 | 126 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.034 | 1.031 | 0.3 | 128 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.449 | 1.507 | -4.0 | 127 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 129 | 0.00 |
| 22 | | Acetophenone | 0.448 | 0.459 | -2.5 | 132 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.346 | 0.351 | -1.4 | 128 | 0.00 |
| 24 | | Nitrobenzene | 0.341 | 0.334 | 2.1 | 128 | 0.00 |
| 25 | | Isophorone | 0.631 | 0.657 | -4.1 | 131 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.161 | 0.170 | -5.6 | 130 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.290 | 0.301 | -3.8 | 131 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.391 | 0.404 | -3.3 | 131 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.266 | 0.270 | -1.5 | 130 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.276 | 0.279 | -1.1 | 128 | 0.01 |
| 31 | | Naphthalene | 0.960 | 0.961 | -0.1 | 128 | 0.00 |
| 32 | | Benzoic acid | 0.180 | 0.207 | -15.0 | 142 | 0.00 |
| 33 | | 4-Chloroaniline | 0.401 | 0.426 | -6.2 | 133 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.157 | 0.160 | -1.9 | 126 | 0.00 |
| 35 | | Caprolactam | 0.084 | 0.087 | -3.6 | 127 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.276 | 0.283 | -2.5 | 130 | 0.01 |
| 37 | | 2-Methylnaphthalene | 0.666 | 0.677 | -1.7 | 130 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 133 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.559 | 0.565 | -1.1 | 131 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.121 | 0.121 | 0.0 | 141 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.220 | 0.235 | -6.8 | 136 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.391 | 0.390 | 0.3 | 127 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.389 | 0.386 | 0.8 | 133 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.402 | 1.375 | 1.9 | 126 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.562 | 1.592 | -1.9 | 132 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.234 | 1.247 | -1.1 | 128 | 0.00 |
| 47 | | 2-Nitroaniline | 0.367 | 0.375 | -2.2 | 132 | 0.01 |
| 48 | | Acenaphthylene | 2.048 | 2.073 | -1.2 | 131 | 0.01 |
| 49 | | Dimethylphthalate | 1.474 | 1.446 | 1.9 | 131 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.294 | 0.321 | -9.2 | 141 | 0.00 |
| 51 | C | Acenaphthene | 1.171 | 1.178 | -0.6 | 132 | 0.00 |
| 52 | | 3-Nitroaniline | 0.383 | 0.395 | -3.1 | 136 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.086 | 0.090 | -4.7 | 150 | 0.00 |
| 54 | | Dibenzofuran | 1.727 | 1.750 | -1.3 | 132 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.212 | 0.199 | 6.1 | 139 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.395 | 0.425 | -7.6 | 135 | 0.00 |
| 57 | | Fluorene | 1.424 | 1.443 | -1.3 | 129 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.283 | 0.297 | -4.9 | 134 | 0.00 |
| 59 | | Diethylphthalate | 1.443 | 1.498 | -3.8 | 137 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.615 | 0.627 | -2.0 | 129 | 0.00 |
| 61 | | 4-Nitroaniline | 0.357 | 0.399 | -11.8 | 147 | 0.01 |
| 62 | | Azobenzene | 1.403 | 1.365 | 2.7 | 131 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 135 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.092 | 0.103 | -12.0 | 146 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.664 | 0.690 | -3.9 | 135 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.206 | 0.216 | -4.9 | 134 | 0.00 |
| 67 | | Hexachlorobenzene | 0.235 | 0.238 | -1.3 | 133 | 0.00 |
| 68 | | Atrazine | 0.179 | 0.195 | -8.9 | 137 | 0.00 |
| 69 | C | Pentachlorophenol | 0.090 | 0.099 | -10.0 | 147 | 0.00 |
| 70 | | Phenanthrene | 1.097 | 1.150 | -4.8 | 138 | 0.00 |
| 71 | | Anthracene | 1.114 | 1.145 | -2.8 | 134 | 0.00 |
| 72 | | Carbazole | 1.072 | 1.070 | 0.2 | 131 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.316 | 1.291 | 1.9 | 133 | 0.00 |
| 74 | C | Fluoranthene | 1.177 | 1.234 | -4.8 | 137 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 134 | 0.00 |
| 76 | | Benzidine | 0.428 | 0.536 | -25.2# | 168# | 0.00 |
| 77 | | Pyrene | 1.239 | 1.255 | -1.3 | 135 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.852 | 0.863 | -1.3 | 132 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.557 | 0.576 | -3.4 | 137 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.151 | 1.147 | 0.3 | 135 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.421 | 0.441 | -4.8 | 138 | 0.00 |
| 82 | | Chrysene | 1.094 | 1.092 | 0.2 | 133 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.798 | 0.832 | -4.3 | 138 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.389 | 1.445 | -4.0 | 140 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.407 | 1.420 | -0.9 | 136 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 139 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.141 | 1.071 | 6.1 | 134 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.020 | 1.137 | -11.5 | 137 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.096 | 1.036 | 5.5 | 133 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.191 | 1.067 | 10.4 | 134 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.200 | 1.109 | 7.6 | 136 | 0.00 |

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