# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083752.D
Acq On : 14 Dec 2015 2:18
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 14 03:54:08 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 14 01:30:12 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 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 0.599 | 0.619 | -3.3 | 85 | -0.02 |
| 3 | | Pyridine | 1.508 | 1.661 | -10.1 | 88 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.571 | 0.595 | -4.2 | 85 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.240 | 1.273 | -2.7 | 89 | -0.01 |
| 6 | | Aniline | 2.133 | 2.259 | -5.9 | 88 | 0.00 |
| 7 | S | Phenol-d6 | 1.570 | 1.598 | -1.8 | 86 | 0.00 |
| 8 | | 2-Chlorophenol | 1.457 | 1.587 | -8.9 | 86 | 0.00 |
| 9 | | Benzaldehyde | 0.843 | 0.889 | -5.5 | 84 | 0.00 |
| 10 | C | Phenol | 1.807 | 1.926 | -6.6 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.309 | 1.247 | 4.7 | 85 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.546 | 1.682 | -8.8 | 88 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.562 | 1.576 | -0.9 | 87 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.404 | 1.567 | -11.6 | 88 | -0.01 |
| 15 | | Benzyl Alcohol | 1.153 | 1.253 | -8.7 | 83 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.699 | 1.733 | -2.0 | 86 | -0.01 |
| 17 | | 2-Methylphenol | 1.171 | 1.241 | -6.0 | 86 | 0.00 |
| 18 | | Hexachloroethane | 0.555 | 0.576 | -3.8 | 87 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.961 | 0.919 | 4.4 | 87 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.383 | 1.374 | 0.7 | 86 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 86 | -0.01 |
| 22 | | Acetophenone | 0.491 | 0.519 | -5.7 | 84 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.357 | 0.383 | -7.3 | 86 | 0.00 |
| 24 | | Nitrobenzene | 0.372 | 0.389 | -4.6 | 86 | 0.00 |
| 25 | | Isophorone | 0.701 | 0.728 | -3.9 | 83 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.188 | -5.0 | 88 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.351 | 0.376 | -7.1 | 87 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.400 | 0.402 | -0.5 | 84 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.288 | 0.290 | -0.7 | 83 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.299 | 0.313 | -4.7 | 87 | -0.01 |
| 31 | | Naphthalene | 1.043 | 1.083 | -3.8 | 86 | -0.01 |
| 32 | | Benzoic acid | 0.219 | 0.222 | -1.4 | 82 | 0.00 |
| 33 | | 4-Chloroaniline | 0.426 | 0.478 | -12.2 | 84 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.164 | 0.180 | -9.8 | 88 | -0.01 |
| 35 | | Caprolactam | 0.093 | 0.100 | -7.5 | 87 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.337 | 0.370 | -9.8 | 83 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.655 | 0.678 | -3.5 | 86 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.590 | 0.617 | -4.6 | 86 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.299 | 0.333 | -11.4 | 81 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.204 | 0.207 | -1.5 | 83 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.432 | 0.465 | -7.6 | 85 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.410 | 0.476 | -16.1 | 84 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.406 | 1.487 | -5.8 | 86 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.773 | 1.897 | -7.0 | 86 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.308 | 1.399 | -7.0 | 87 | -0.01 |
| 47 | | 2-Nitroaniline | 0.371 | 0.434 | -17.0 | 80 | 0.00 |
| 48 | | Acenaphthylene | 2.201 | 2.353 | -6.9 | 86 | -0.01 |
| 49 | | Dimethylphthalate | 1.559 | 1.582 | -1.5 | 83 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.331 | 0.350 | -5.7 | 84 | -0.01 |
| 51 | C | Acenaphthene | 1.331 | 1.409 | -5.9 | 84 | 0.00 |
| 52 | | 3-Nitroaniline | 0.382 | 0.418 | -9.4 | 77 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.109 | 0.108 | 0.9 | 71 | 0.00 |
| 54 | | Dibenzofuran | 1.763 | 1.776 | -0.7 | 83 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.283 | 0.336 | -18.7 | 78 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.432 | 0.454 | -5.1 | 83 | -0.01 |
| 57 | | Fluorene | 1.389 | 1.351 | 2.7 | 83 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.307 | 0.324 | -5.5 | 84 | 0.00 |
| 59 | | Diethylphthalate | 1.579 | 1.630 | -3.2 | 80 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.633 | 0.704 | -11.2 | 83 | 0.00 |
| 61 | | 4-Nitroaniline | 0.336 | 0.368 | -9.5 | 86 | 0.00 |
| 62 | | Azobenzene | 1.439 | 1.561 | -8.5 | 82 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 79 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.114 | 0.122 | -7.0 | 71 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.684 | 0.794 | -16.1 | 83 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.224 | 0.240 | -7.1 | 82 | -0.01 |
| 67 | | Hexachlorobenzene | 0.242 | 0.260 | -7.4 | 84 | -0.01 |
| 68 | | Atrazine | 0.195 | 0.231 | -18.5 | 79 | 0.00 |
| 69 | C | Pentachlorophenol | 0.136 | 0.145 | -6.6 | 74 | 0.00 |
| 70 | | Phenanthrene | 1.062 | 1.121 | -5.6 | 83 | -0.01 |
| 71 | | Anthracene | 1.103 | 1.204 | -9.2 | 80 | 0.00 |
| 72 | | Carbazole | 1.028 | 1.117 | -8.7 | 78 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.249 | 1.286 | -3.0 | 82 | -0.01 |
| 74 | C | Fluoranthene | 1.098 | 1.136 | -3.5 | 75 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 81 | -0.01 |
| 76 | | Benzidine | 0.609 | 0.756 | -24.1 | 80 | 0.00 |
| 77 | | Pyrene | 1.581 | 1.574 | 0.4 | 76 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.930 | 0.893 | 4.0 | 78 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.678 | 0.723 | -6.6 | 73 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.137 | 1.174 | -3.3 | 79 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.410 | 0.463 | -12.9 | 82 | 0.00 |
| 82 | | Chrysene | 1.109 | 1.174 | -5.9 | 81 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.772 | 0.849 | -10.0 | 79 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.227 | 1.493 | -21.7# | 89 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.089 | 1.403 | -28.8# | 102 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 102 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.276 | 1.198 | 6.1 | 92 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.156 | 1.344 | -16.3 | 97 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.139 | 1.219 | -7.0 | 100 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.132 | 1.264 | -11.7 | 102 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.164 | 1.274 | -9.5 | 100 | -0.02 |

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