# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF010215\
Data File : BF076738.D
Acq On : 2 Jan 2015 22:01
Operator : IZ / TP
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

Quant Time: Jan 03 03:02:13 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 03 00:26:38 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 | 91 | -0.21 |
| 2 | | 1,4-Dioxane | 0.504 | 0.434 | 13.9 | 78 | -0.28 |
| 3 | | Pyridine | 1.269 | 1.342 | -5.8 | 99 | -0.42 |
| 4 | | n-Nitrosodimethylamine | 0.614 | 0.704 | -14.7 | 104 | -0.39 |
| 5 | S | 2-Fluorophenol | 1.180 | 1.162 | 1.5 | 91 | -0.29 |
| 6 | | Aniline | 2.058 | 2.036 | 1.1 | 90 | -0.21 |
| 7 | S | Phenol-d6 | 1.441 | 1.486 | -3.1 | 93 | -0.19 |
| 8 | | 2-Chlorophenol | 1.351 | 1.329 | 1.6 | 88 | -0.21 |
| 9 | | Benzaldehyde | 1.096 | 0.957 | 12.7 | 78 | -0.22 |
| 10 | C | Phenol | 1.749 | 1.690 | 3.4 | 87 | -0.19 |
| 11 | | bis(2-Chloroethyl)ether | 1.259 | 1.198 | 4.8 | 87 | -0.20 |
| 12 | | 1,3-Dichlorobenzene | 1.568 | 1.517 | 3.3 | 87 | -0.21 |
| 13 | C | 1,4-Dichlorobenzene | 1.589 | 1.534 | 3.5 | 90 | -0.21 |
| 14 | | 1,2-Dichlorobenzene | 1.506 | 1.511 | -0.3 | 93 | -0.21 |
| 15 | | Benzyl Alcohol | 1.248 | 1.290 | -3.4 | 91 | -0.19 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.823 | 1.687 | 7.5 | 83 | -0.19 |
| 17 | | 2-Methylphenol | 1.110 | 1.104 | 0.5 | 88 | -0.18 |
| 18 | | Hexachloroethane | 0.568 | 0.579 | -1.9 | 94 | -0.20 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.052 | 1.040 | 1.1 | 94 | -0.18 |
| 20 | | 3+4-Methylphenols | 1.499 | 1.460 | 2.6 | 88 | -0.16 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 89 | -0.20 |
| 22 | | Acetophenone | 0.479 | 0.498 | -4.0 | 92 | -0.19 |
| 23 | S | Nitrobenzene-d5 | 0.336 | 0.336 | 0.0 | 89 | -0.20 |
| 24 | | Nitrobenzene | 0.349 | 0.349 | 0.0 | 88 | -0.20 |
| 25 | | Isophorone | 0.648 | 0.654 | -0.9 | 90 | -0.20 |
| 26 | C | 2-Nitrophenol | 0.170 | 0.181 | -6.5 | 91 | -0.20 |
| 27 | | 2,4-Dimethylphenol | 0.276 | 0.275 | 0.4 | 88 | -0.18 |
| 28 | | bis(2-Chloroethoxy)methane | 0.380 | 0.382 | -0.5 | 86 | -0.18 |
| 29 | C | 2,4-Dichlorophenol | 0.271 | 0.273 | -0.7 | 90 | -0.19 |
| 30 | | 1,2,4-Trichlorobenzene | 0.292 | 0.310 | -6.2 | 93 | -0.20 |
| 31 | | Naphthalene | 0.991 | 0.981 | 1.0 | 89 | -0.20 |
| 32 | | Benzoic acid | 0.153 | 0.163 | -6.5 | 93 | -0.15 |
| 33 | | 4-Chloroaniline | 0.404 | 0.410 | -1.5 | 87 | -0.19 |
| 34 | C | Hexachlorobutadiene | 0.170 | 0.176 | -3.5 | 95 | -0.19 |
| 35 | | Caprolactam | 0.078 | 0.079 | -1.3 | 91 | -0.19 |
| 36 | C | 4-Chloro-3-methylphenol | 0.301 | 0.298 | 1.0 | 83 | -0.18 |
| 37 | | 2-Methylnaphthalene | 0.691 | 0.679 | 1.7 | 86 | -0.21 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 90 | -0.22 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.492 | 0.462 | 6.1 | 83 | -0.21 |
| 40 | P | Hexachlorocyclopentadiene | 0.241 | 0.238 | 1.2 | 83 | -0.21 |
| 41 | S | 2,4,6-Tribromophenol | 0.169 | 0.171 | -1.2 | 89 | -0.23 |
| 42 | C | 2,4,6-Trichlorophenol | 0.357 | 0.349 | 2.2 | 85 | -0.20 |
| 43 | | 2,4,5-Trichlorophenol | 0.384 | 0.390 | -1.6 | 88 | -0.20 |
| 44 | S | 2-Fluorobiphenyl | 1.285 | 1.271 | 1.1 | 90 | -0.20 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.486 | 1.440 | 3.1 | 84 | -0.20 |
| 46 | | 2-Chloronaphthalene | 1.178 | 1.186 | -0.7 | 91 | -0.21 |
| 47 | | 2-Nitroaniline | 0.358 | 0.397 | -10.9 | 94 | -0.20 |
| 48 | | Acenaphthylene | 2.004 | 1.973 | 1.5 | 88 | -0.22 |
| 49 | | Dimethylphthalate | 1.415 | 1.324 | 6.4 | 85 | -0.20 |
| 50 | | 2,6-Dinitrotoluene | 0.290 | 0.297 | -2.4 | 89 | -0.20 |
| 51 | C | Acenaphthene | 1.134 | 1.156 | -1.9 | 92 | -0.22 |
| 52 | | 3-Nitroaniline | 0.329 | 0.345 | -4.9 | 86 | -0.20 |
| 53 | P | 2,4-Dinitrophenol | 0.128 | 0.129 | -0.8 | 91 | -0.20 |
| 54 | | Dibenzofuran | 1.640 | 1.641 | -0.1 | 89 | -0.21 |
| 55 | P | 4-Nitrophenol | 0.252 | 0.226 | 10.3 | 86 | -0.18 |
| 56 | | 2,4-Dinitrotoluene | 0.386 | 0.394 | -2.1 | 85 | -0.21 |
| 57 | | Fluorene | 1.378 | 1.376 | 0.1 | 89 | -0.22 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.286 | 0.285 | 0.3 | 86 | -0.21 |
| 59 | | Diethylphthalate | 1.445 | 1.361 | 5.8 | 85 | -0.20 |
| 60 | | 4-Chlorophenyl-phenylether | 0.596 | 0.562 | 5.7 | 85 | -0.22 |
| 61 | | 4-Nitroaniline | 0.346 | 0.351 | -1.4 | 83 | -0.21 |
| 62 | | Azobenzene | 1.424 | 1.328 | 6.7 | 85 | -0.22 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 88 | -0.23 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.125 | 0.123 | 1.6 | 88 | -0.21 |
| 65 | c | n-Nitrosodiphenylamine | 0.703 | 0.689 | 2.0 | 86 | -0.21 |
| 66 | | 4-Bromophenyl-phenylether | 0.195 | 0.195 | 0.0 | 87 | -0.22 |
| 67 | | Hexachlorobenzene | 0.227 | 0.222 | 2.2 | 86 | -0.23 |
| 68 | | Atrazine | 0.210 | 0.206 | 1.9 | 84 | -0.21 |
| 69 | C | Pentachlorophenol | 0.111 | 0.115 | -3.6 | 89 | -0.22 |
| 70 | | Phenanthrene | 1.207 | 1.171 | 3.0 | 84 | -0.24 |
| 71 | | Anthracene | 1.184 | 1.196 | -1.0 | 91 | -0.23 |
| 72 | | Carbazole | 1.148 | 1.175 | -2.4 | 88 | -0.23 |
| 73 | | Di-n-butylphthalate | 1.410 | 1.401 | 0.6 | 86 | -0.21 |
| 74 | C | Fluoranthene | 1.232 | 1.239 | -0.6 | 90 | -0.24 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 87 | -0.27 |
| 76 | | Benzidine | 0.833 | 0.754 | 9.5 | 76 | -0.24 |
| 77 | | Pyrene | 1.399 | 1.380 | 1.4 | 88 | -0.27 |
| 78 | S | Terphenyl-d14 | 0.907 | 0.853 | 6.0 | 83 | -0.24 |
| 79 | | Butylbenzylphthalate | 0.669 | 0.638 | 4.6 | 83 | -0.24 |
| 80 | | Benzo(a)anthracene | 1.245 | 1.247 | -0.2 | 89 | -0.27 |
| 81 | | 3,3'-Dichlorobenzidine | 0.416 | 0.422 | -1.4 | 86 | -0.26 |
| 82 | | Chrysene | 1.140 | 1.112 | 2.5 | 86 | -0.28 |
| 83 | | Bis(2-ethylhexyl)phthalate | 1.012 | 0.899 | 11.2 | 77 | -0.23 |
| 84 | c | Di-n-octyl phthalate | 1.728 | 1.537 | 11.1 | 78 | -0.27 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.251 | 1.332 | -6.5 | 98 | -0.56# |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 97 | -0.37 |
| 87 | | Benzo(b)fluoranthene | 1.319 | 1.281 | 2.9 | 94 | -0.34 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.229 | 1.244 | -1.2 | 94 | -0.34 |
| 89 C | Benzo(a)pyrene | 1.177 | 1.162 | 1.3 | 94 | -0.37 |
| 90 | Dibenzo(a,h)anthracene | 1.167 | 1.197 | -2.6 | 99 | -0.55# |
| 91 | Benzo(g,h,i)perylene | 1.135 | 1.211 | -6.7 | 103 | -0.63# |

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