# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021915\
Data File : BF077377.D
Acq On : 19 Feb 2015 16:11
Operator : TP/IZ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF021915

Quant Time: Feb 19 17:12:19 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 19 16:57:32 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 | 84 | 0.00 |
| 2 | | 1,4-Dioxane | 0.508 | 0.506 | 0.4 | 85 | 0.00 |
| 3 | | Pyridine | 1.454 | 1.503 | -3.4 | 82 | 0.01 |
| 4 | | n-Nitrosodimethylamine | 0.632 | 0.624 | 1.3 | 85 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.198 | 1.203 | -0.4 | 83 | 0.00 |
| 6 | | Aniline | 2.129 | 2.219 | -4.2 | 85 | 0.00 |
| 7 | S | Phenol-d6 | 1.540 | 1.500 | 2.6 | 79 | 0.00 |
| 8 | | 2-Chlorophenol | 1.413 | 1.405 | 0.6 | 83 | 0.00 |
| 9 | | Benzaldehyde | 0.935 | 0.749 | 19.9 | 68 | 0.00 |
| 10 | C | Phenol | 1.828 | 1.864 | -2.0 | 80 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.313 | 1.261 | 4.0 | 81 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.539 | 1.558 | -1.2 | 83 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.566 | 1.634 | -4.3 | 86 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.489 | 1.543 | -3.6 | 84 | 0.00 |
| 15 | | Benzyl Alcohol | 1.171 | 1.142 | 2.5 | 80 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.877 | 1.859 | 1.0 | 80 | -0.01 |
| 17 | | 2-Methylphenol | 1.105 | 1.174 | -6.2 | 83 | 0.00 |
| 18 | | Hexachloroethane | 0.523 | 0.520 | 0.6 | 82 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.978 | 1.055 | -7.9 | 86 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.455 | 1.522 | -4.6 | 84 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 22 | | Acetophenone | 0.470 | 0.458 | 2.6 | 84 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.322 | 0.325 | -0.9 | 82 | -0.01 |
| 24 | | Nitrobenzene | 0.338 | 0.338 | 0.0 | 82 | -0.01 |
| 25 | | Isophorone | 0.638 | 0.658 | -3.1 | 81 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.139 | 0.142 | -2.2 | 77 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.310 | 0.308 | 0.6 | 81 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.403 | 0.411 | -2.0 | 83 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.282 | 3.1 | 78 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.320 | 0.327 | -2.2 | 84 | 0.00 |
| 31 | | Naphthalene | 1.000 | 1.052 | -5.2 | 88 | 0.00 |
| 32 | | Benzoic acid | 0.151 | 0.167 | -10.6 | 85 | -0.01 |
| 33 | | 4-Chloroaniline | 0.445 | 0.432 | 2.9 | 78 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.183 | 0.196 | -7.1 | 88 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.096 | -7.9 | 86 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.293 | 0.313 | -6.8 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.710 | 0.722 | -1.7 | 81 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 83 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.574 | 0.559 | 2.6 | 78 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.308 | 0.283 | 8.1 | 69 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.193 | 0.197 | -2.1 | 79 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.380 | 0.407 | -7.1 | 82 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.406 | 0.430 | -5.9 | 83 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.283 | 1.348 | -5.1 | 87 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.515 | 1.529 | -0.9 | 81 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.188 | 1.216 | -2.4 | 85 | 0.00 |
| 47 | | 2-Nitroaniline | 0.293 | 0.308 | -5.1 | 84 | 0.00 |
| 48 | | Acenaphthylene | 1.881 | 2.074 | -10.3 | 90 | 0.00 |
| 49 | | Dimethylphthalate | 1.406 | 1.414 | -0.6 | 82 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.282 | 0.301 | -6.7 | 79 | -0.01 |
| 51 | C | Acenaphthene | 1.123 | 1.236 | -10.1 | 88 | 0.00 |
| 52 | | 3-Nitroaniline | 0.325 | 0.374 | -15.1 | 88 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.086 | 0.081 | 5.8 | 74 | -0.01 |
| 54 | | Dibenzofuran | 1.733 | 1.824 | -5.3 | 85 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.261 | 0.270 | -3.4 | 77 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.381 | 0.420 | -10.2 | 81 | 0.00 |
| 57 | | Fluorene | 1.386 | 1.498 | -8.1 | 87 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.327 | 0.362 | -10.7 | 84 | 0.00 |
| 59 | | Diethylphthalate | 1.386 | 1.425 | -2.8 | 83 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.668 | 0.695 | -4.0 | 84 | 0.00 |
| 61 | | 4-Nitroaniline | 0.312 | 0.362 | -16.0 | 91 | 0.00 |
| 62 | | Azobenzene | 1.315 | 1.431 | -8.8 | 85 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.075 | 0.072 | 4.0 | 75 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.664 | 0.699 | -5.3 | 84 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.234 | 0.239 | -2.1 | 85 | 0.00 |
| 67 | | Hexachlorobenzene | 0.251 | 0.258 | -2.8 | 87 | 0.00 |
| 68 | | Atrazine | 0.216 | 0.189 | 12.5 | 77 | 0.00 |
| 69 | C | Pentachlorophenol | 0.132 | 0.144 | -9.1 | 85 | 0.00 |
| 70 | | Phenanthrene | 1.159 | 1.213 | -4.7 | 88 | -0.01 |
| 71 | | Anthracene | 1.150 | 1.206 | -4.9 | 89 | 0.00 |
| 72 | | Carbazole | 1.094 | 1.163 | -6.3 | 84 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.284 | 1.336 | -4.0 | 81 | 0.00 |
| 74 | C | Fluoranthene | 1.266 | 1.405 | -11.0 | 90 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 76 | | Benzidine | 0.676 | 0.554 | 18.0 | 73 | 0.00 |
| 77 | | Pyrene | 1.223 | 1.270 | -3.8 | 87 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.856 | 0.889 | -3.9 | 86 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.503 | 0.537 | -6.8 | 83 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.172 | 1.234 | -5.3 | 88 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.430 | 0.409 | 4.9 | 77 | 0.00 |
| 82 | | Chrysene | 1.101 | 1.149 | -4.4 | 89 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.807 | 0.835 | -3.5 | 83 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.348 | 1.424 | -5.6 | 83 | 0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.255 | 1.427 | -13.7 | 93 | 0.03 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 85 | 0.01 |
| 87 | | Benzo(b)fluoranthene | 1.163 | 1.199 | -3.1 | 83 | 0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.140 | 1.261 | -10.6 | 100 | 0.02 |
| 89 C | Benzo(a)pyrene | 1.108 | 1.163 | -5.0 | 86 | 0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.056 | 1.158 | -9.7 | 91 | 0.02 |
| 91 | Benzo(g,h,i)perylene | 1.066 | 1.151 | -8.0 | 90 | 0.02 |

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