# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
Data File : BF084830.D
Acq On : 4 Feb 2016 15:51
Operator : SJ/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 05 02:33:03 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
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 | -0.01 |
| 2 | | 1,4-Dioxane | 0.562 | 0.523 | 6.9 | 85 | -0.03 |
| 3 | | Pyridine | 1.465 | 1.443 | 1.5 | 93 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 0.758 | 0.756 | 0.3 | 88 | -0.05 |
| 5 | S | 2-Fluorophenol | 1.284 | 1.198 | 6.7 | 89 | -0.02 |
| 6 | | Aniline | 1.948 | 1.953 | -0.3 | 91 | -0.01 |
| 7 | S | Phenol-d6 | 1.592 | 1.500 | 5.8 | 90 | -0.01 |
| 8 | | 2-Chlorophenol | 1.453 | 1.429 | 1.7 | 87 | -0.01 |
| 9 | | Benzaldehyde | 0.940 | 0.876 | 6.8 | 82 | -0.02 |
| 10 | C | Phenol | 1.783 | 1.712 | 4.0 | 98 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.391 | 1.385 | 0.4 | 97 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.536 | 1.537 | -0.1 | 95 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.535 | 1.577 | -2.7 | 97 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.430 | 1.278 | 10.6 | 78 | -0.02 |
| 15 | | Benzyl Alcohol | 1.099 | 1.084 | 1.4 | 91 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.339 | 2.239 | 4.3 | 91 | -0.01 |
| 17 | | 2-Methylphenol | 1.149 | 1.151 | -0.2 | 85 | -0.01 |
| 18 | | Hexachloroethane | 0.591 | 0.573 | 3.0 | 86 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.998 | 0.935 | 6.3 | 90 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.427 | 1.372 | 3.9 | 88 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 89 | -0.01 |
| 22 | | Acetophenone | 0.527 | 0.491 | 6.8 | 85 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.355 | 0.372 | -4.8 | 92 | -0.01 |
| 24 | | Nitrobenzene | 0.380 | 0.346 | 8.9 | 90 | -0.01 |
| 25 | | Isophorone | 0.690 | 0.674 | 2.3 | 86 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.188 | 0.201 | -6.9 | 97 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.326 | 0.292 | 10.4 | 85 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.410 | 0.380 | 7.3 | 86 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.279 | 0.265 | 5.0 | 82 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.315 | 0.292 | 7.3 | 85 | -0.01 |
| 31 | | Naphthalene | 1.003 | 0.962 | 4.1 | 91 | -0.01 |
| 32 | | Benzoic acid | 0.209 | 0.226 | -8.1 | 96 | -0.02 |
| 33 | | 4-Chloroaniline | 0.415 | 0.403 | 2.9 | 95 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.182 | 0.182 | 0.0 | 88 | -0.01 |
| 35 | | Caprolactam | 0.086 | 0.095 | -10.5 | 87 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.318 | 0.297 | 6.6 | 89 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.628 | 0.609 | 3.0 | 83 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 82 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.635 | 0.631 | 0.6 | 90 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.223 | 0.266 | -19.3 | 98 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.209 | 0.203 | 2.9 | 77 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 0.409 | 0.403 | 1.5 | 80 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.416 | 0.429 | -3.1 | 89 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.321 | 1.405 | -6.4 | 99 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.786 | 1.607 | 10.0 | 74 | -0.02 |
| 46 | | 2-Chloronaphthalene | 1.316 | 1.232 | 6.4 | 79 | -0.01 |
| 47 | | 2-Nitroaniline | 0.417 | 0.413 | 1.0 | 93 | -0.01 |
| 48 | | Acenaphthylene | 1.996 | 1.892 | 5.2 | 78 | -0.02 |
| 49 | | Dimethylphthalate | 1.523 | 1.493 | 2.0 | 80 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.333 | 0.354 | -6.3 | 84 | -0.01 |
| 51 | C | Acenaphthene | 1.299 | 1.189 | 8.5 | 76 | -0.02 |
| 52 | | 3-Nitroaniline | 0.374 | 0.333 | 11.0 | 76 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 0.133 | 0.134 | -0.8 | 78 | -0.01 |
| 54 | | Dibenzofuran | 1.587 | 1.477 | 6.9 | 77 | -0.02 |
| 55 | P | 4-Nitrophenol | 0.275 | 0.281 | -2.2 | 77 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.424 | 0.480 | -13.2 | 92 | -0.01 |
| 57 | | Fluorene | 1.326 | 1.261 | 4.9 | 77 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.317 | 0.325 | -2.5 | 95 | -0.01 |
| 59 | | Diethylphthalate | 1.487 | 1.433 | 3.6 | 82 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.621 | 0.674 | -8.5 | 96 | -0.01 |
| 61 | | 4-Nitroaniline | 0.364 | 0.418 | -14.8 | 98 | -0.01 |
| 62 | | Azobenzene | 1.430 | 1.528 | -6.9 | 90 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 89 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.123 | 0.116 | 5.7 | 80 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 0.635 | 0.596 | 6.1 | 78 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.221 | 0.214 | 3.2 | 81 | -0.01 |
| 67 | | Hexachlorobenzene | 0.241 | 0.240 | 0.4 | 94 | -0.01 |
| 68 | | Atrazine | 0.201 | 0.184 | 8.5 | 87 | -0.01 |
| 69 | C | Pentachlorophenol | 0.113 | 0.113 | 0.0 | 85 | -0.01 |
| 70 | | Phenanthrene | 1.109 | 1.137 | -2.5 | 98 | -0.01 |
| 71 | | Anthracene | 1.118 | 1.026 | 8.2 | 77 | -0.02 |
| 72 | | Carbazole | 0.975 | 0.873 | 10.5 | 74 | -0.02 |
| 73 | | Di-n-butylphthalate | 1.241 | 1.168 | 5.9 | 88 | -0.01 |
| 74 | C | Fluoranthene | 1.123 | 1.006 | 10.4 | 77 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 81 | -0.01 |
| 76 | | Benzidine | 0.597 | 0.659 | -10.4 | 75 | -0.01 |
| 77 | | Pyrene | 1.531 | 1.545 | -0.9 | 78 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.883 | 0.907 | -2.7 | 87 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.695 | 0.663 | 4.6 | 73 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.241 | 1.212 | 2.3 | 79 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.440 | 0.433 | 1.6 | 72 | -0.02 |
| 82 | | Chrysene | 1.204 | 1.159 | 3.7 | 76 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.864 | 0.876 | -1.4 | 80 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.426 | 1.316 | 7.7 | 73 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.947 | 1.006 | -6.2 | 88 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 81 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.344 | 1.347 | -0.2 | 80 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.111 | 1.018 | 8.4 | 76 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.145 | 1.116 | 2.5 | 78 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.964 | 1.034 | -7.3 | 88 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.971 | 1.059 | -9.1 | 90 | -0.02 |

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