# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF061915\
Data File : BF080070.D
Acq On : 19 Jun 2015 23:17
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 20 01:49:11 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 17 16:41:53 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 | 71 | -0.01 |
| 2 | | 1,4-Dioxane | 0.537 | 0.537 | 0.0 | 71 | -0.02 |
| 3 | | Pyridine | 1.428 | 1.436 | -0.6 | 71 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.679 | 0.644 | 5.2 | 63 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.130 | 1.186 | -5.0 | 72 | -0.01 |
| 6 | | Aniline | 2.068 | 2.392 | -15.7 | 78 | -0.01 |
| 7 | S | Phenol-d6 | 1.503 | 1.654 | -10.0 | 73 | -0.01 |
| 8 | | 2-Chlorophenol | 1.306 | 1.410 | -8.0 | 73 | -0.01 |
| 9 | | Benzaldehyde | 0.868 | 0.887 | -2.2 | 69 | 0.00 |
| 10 | C | Phenol | 1.641 | 1.657 | -1.0 | 69 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.302 | 1.260 | 3.2 | 66 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.569 | 1.607 | -2.4 | 70 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.492 | 1.776 | -19.0 | 82 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.452 | 1.562 | -7.6 | 74 | 0.00 |
| 15 | | Benzyl Alcohol | 1.229 | 1.326 | -7.9 | 73 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.932 | 2.194 | -13.6 | 81 | 0.00 |
| 17 | | 2-Methylphenol | 1.115 | 1.146 | -2.8 | 68 | -0.01 |
| 18 | | Hexachloroethane | 0.497 | 0.564 | -13.5 | 76 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.044 | 1.062 | -1.7 | 75 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.440 | 1.617 | -12.3 | 76 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 73 | -0.01 |
| 22 | | Acetophenone | 0.466 | 0.493 | -5.8 | 73 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.344 | 0.392 | -14.0 | 80 | -0.01 |
| 24 | | Nitrobenzene | 0.355 | 0.366 | -3.1 | 73 | 0.00 |
| 25 | | Isophorone | 0.691 | 0.678 | 1.9 | 69 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.148 | 0.177 | -19.6 | 85 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.309 | 0.323 | -4.5 | 78 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.406 | 0.417 | -2.7 | 73 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.265 | 0.299 | -12.8 | 79 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.301 | 0.362 | -20.3 | 87 | -0.01 |
| 31 | | Naphthalene | 1.046 | 1.049 | -0.3 | 71 | -0.01 |
| 32 | | Benzoic acid | 0.187 | 0.163 | 12.8 | 62 | -0.02 |
| 33 | | 4-Chloroaniline | 0.448 | 0.426 | 4.9 | 71 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.198 | -7.0 | 81 | 0.00 |
| 35 | | Caprolactam | 0.086 | 0.099 | -15.1 | 78 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.299 | 0.301 | -0.7 | 70 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.676 | 0.774 | -14.5 | 81 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 76 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.582 | 0.672 | -15.5 | 85 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.260 | 0.275 | -5.8 | 76 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.196 | 0.217 | -10.7 | 82 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.396 | 0.460 | -16.2 | 84 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.456 | 0.465 | -2.0 | 73 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.402 | 1.326 | 5.4 | 70 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.627 | 1.589 | 2.3 | 73 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.320 | 1.328 | -0.6 | 73 | -0.01 |
| 47 | | 2-Nitroaniline | 0.362 | 0.382 | -5.5 | 73 | -0.01 |
| 48 | | Acenaphthylene | 2.204 | 2.356 | -6.9 | 76 | -0.01 |
| 49 | | Dimethylphthalate | 1.504 | 1.519 | -1.0 | 77 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.301 | 0.323 | -7.3 | 74 | -0.01 |
| 51 | C | Acenaphthene | 1.348 | 1.359 | -0.8 | 74 | -0.01 |
| 52 | | 3-Nitroaniline | 0.348 | 0.380 | -9.2 | 77 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.106 | 0.114 | -7.5 | 77 | 0.00 |
| 54 | | Dibenzofuran | 1.913 | 1.894 | 1.0 | 73 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.278 | 0.315 | -13.3 | 86 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.383 | 0.480 | -25.3# | 91 | -0.01 |
| 57 | | Fluorene | 1.518 | 1.652 | -8.8 | 81 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.385 | 0.398 | -3.4 | 73 | -0.01 |
| 59 | | Diethylphthalate | 1.514 | 1.526 | -0.8 | 71 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.729 | 0.720 | 1.2 | 74 | -0.01 |
| 61 | | 4-Nitroaniline | 0.359 | 0.430 | -19.8 | 85 | -0.01 |
| 62 | | Azobenzene | 1.541 | 1.600 | -3.8 | 73 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 87 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.094 | 0.099 | -5.3 | 84 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.651 | 0.621 | 4.6 | 78 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.213 | 0.203 | 4.7 | 79 | 0.00 |
| 67 | | Hexachlorobenzene | 0.236 | 0.234 | 0.8 | 82 | 0.00 |
| 68 | | Atrazine | 0.206 | 0.184 | 10.7 | 72 | -0.01 |
| 69 | C | Pentachlorophenol | 0.134 | 0.126 | 6.0 | 82 | -0.01 |
| 70 | | Phenanthrene | 1.211 | 1.184 | 2.2 | 83 | -0.01 |
| 71 | | Anthracene | 1.166 | 1.113 | 4.5 | 82 | -0.01 |
| 72 | | Carbazole | 1.113 | 1.053 | 5.4 | 79 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.286 | 1.224 | 4.8 | 84 | -0.01 |
| 74 | C | Fluoranthene | 1.290 | 1.251 | 3.0 | 84 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 88 | -0.06 |
| 76 | | Benzidine | 0.559 | 0.625 | -11.8 | 95 | -0.02 |
| 77 | | Pyrene | 1.231 | 1.179 | 4.2 | 83 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.856 | 0.825 | 3.6 | 86 | -0.03 |
| 79 | | Butylbenzylphthalate | 0.495 | 0.454 | 8.3 | 77 | -0.06 |
| 80 | | Benzo(a)anthracene | 1.218 | 1.201 | 1.4 | 87 | -0.06 |
| 81 | | 3,3'-Dichlorobenzidine | 0.420 | 0.405 | 3.6 | 84 | -0.06 |
| 82 | | Chrysene | 1.124 | 1.109 | 1.3 | 86 | -0.06 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.782 | 0.686 | 12.3 | 74 | -0.07 |
| 84 | c | Di-n-octyl phthalate | 1.339 | 1.118 | 16.5 | 72 | -0.09 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.417 | 1.377 | 2.8 | 86 | -0.11 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 89 | -0.09 |
| 87 | | Benzo(b)fluoranthene | 1.211 | 1.201 | 0.8 | 85 | -0.09 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.233 | 1.154 | 6.4 | 83 | -0.08 |
| 89 C | Benzo(a)pyrene | 1.150 | 1.130 | 1.7 | 86 | -0.08 |
| 90 | Dibenzo(a,h)anthracene | 1.177 | 1.158 | 1.6 | 87 | -0.10 |
| 91 | Benzo(g,h,i)perylene | 1.188 | 1.169 | 1.6 | 86 | -0.11 |

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