# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096065.D
Acq On : 21 Jun 2017 3:45
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 21 06:51:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
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 | 60 | 0.00 |
| 2 | | 1,4-Dioxane | 0.597 | 0.628 | -5.2 | 60 | -0.02 |
| 3 | | Pyridine | 1.403 | 1.389 | 1.0 | 57 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.534 | 0.572 | -7.1 | 62 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.255 | 1.396 | -11.2 | 61 | 0.00 |
| 6 | | Aniline | 1.966 | 2.022 | -2.8 | 58 | 0.00 |
| 7 | S | Phenol-d6 | 1.503 | 1.568 | -4.3 | 57 | 0.00 |
| 8 | | 2-Chlorophenol | 1.335 | 1.422 | -6.5 | 59 | 0.00 |
| 9 | | Benzaldehyde | 1.014 | 0.989 | 2.5 | 55 | 0.00 |
| 10 | C | Phenol | 1.559 | 1.723 | -10.5 | 59 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.235 | 1.366 | -10.6 | 61 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.511 | 1.570 | -3.9 | 61 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.532 | 1.610 | -5.1 | 61 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.412 | 1.509 | -6.9 | 62 | 0.00 |
| 15 | | Benzyl Alcohol | 1.031 | 1.038 | -0.7 | 57 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.735 | 1.778 | -2.5 | 59 | 0.00 |
| 17 | | 2-Methylphenol | 1.120 | 1.165 | -4.0 | 60 | 0.00 |
| 18 | | Hexachloroethane | 0.506 | 0.370 | 26.9# | 42# | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.952 | 0.990 | -4.0 | 59 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.422 | 1.486 | -4.5 | 60 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 56 | 0.00 |
| 22 | | Acetophenone | 0.468 | 0.499 | -6.6 | 59 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.322 | 0.339 | -5.3 | 58 | 0.00 |
| 24 | | Nitrobenzene | 0.344 | 0.364 | -5.8 | 59 | 0.00 |
| 25 | | Isophorone | 0.601 | 0.607 | -1.0 | 57 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.180 | 0.150 | 16.7 | 45# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.280 | 0.299 | -6.8 | 59 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.396 | 0.422 | -6.6 | 58 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.269 | 0.279 | -3.7 | 57 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.280 | 0.290 | -3.6 | 58 | 0.00 |
| 31 | | Naphthalene | 1.004 | 1.015 | -1.1 | 57 | 0.00 |
| 32 | | Benzoic acid | 0.161 | 0.105 | 34.8# | 34# | -0.04 |
| 33 | | 4-Chloroaniline | 0.392 | 0.406 | -3.6 | 58 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.145 | 0.150 | -3.4 | 58 | 0.00 |
| 35 | | Caprolactam | 0.080 | 0.079 | 1.3 | 52 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.282 | 0.277 | 1.8 | 54 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.678 | 0.660 | 2.7 | 55 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 53 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.599 | 0.655 | -9.3 | 54 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.138 | 0.000# | 100.0# | 0# | -10.74# |
| 41 | S | 2,4,6-Tribromophenol | 0.177 | 0.164 | 7.3 | 47# | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.385 | 0.415 | -7.8 | 52 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.409 | 0.409 | 0.0 | 47# | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.437 | 1.558 | -8.4 | 55 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.648 | 1.806 | -9.6 | 55 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.288 | 1.365 | -6.0 | 53 | 0.00 |
| 47 | | 2-Nitroaniline | 0.377 | 0.416 | -10.3 | 51 | 0.00 |
| 48 | | Acenaphthylene | 2.202 | 2.153 | 2.2 | 48# | 0.00 |
| 49 | | Dimethylphthalate | 1.519 | 1.617 | -6.5 | 53 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.331 | 0.288 | 13.0 | 41# | 0.00 |
| 51 | C | Acenaphthene | 1.272 | 1.262 | 0.8 | 52 | 0.00 |
| 52 | | 3-Nitroaniline | 0.386 | 0.428 | -10.9 | 57 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.160 | 0.000# | 100.0# | 0# | -12.42# |
| 54 | | Dibenzofuran | 1.790 | 1.767 | 1.3 | 52 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.201 | 0.168 | 16.4 | 40# | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.447 | 0.350 | 21.7 | 40# | 0.00 |
| 57 | | Fluorene | 1.558 | 1.490 | 4.4 | 50# | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.280 | 0.249 | 11.1 | 45# | 0.00 |
| 59 | | Diethylphthalate | 1.461 | 1.551 | -6.2 | 55 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.677 | 0.668 | 1.3 | 51 | 0.00 |
| 61 | | 4-Nitroaniline | 0.360 | 0.400 | -11.1 | 56 | 0.00 |
| 62 | | Azobenzene | 1.324 | 1.188 | 10.3 | 47# | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 45# | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.131 | 0.007 | 94.7# | 2# | 0.05 |
| 65 | c | n-Nitrosodiphenylamine | 0.719 | 0.787 | -9.5 | 50# | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.208 | 0.229 | -10.1 | 49# | 0.00 |
| 67 | | Hexachlorobenzene | 0.205 | 0.217 | -5.9 | 47# | 0.00 |
| 68 | | Atrazine | 0.200 | 0.205 | -2.5 | 47# | -0.01 |
| 69 | C | Pentachlorophenol | 0.067 | 0.063 | 6.0 | 42# | 0.00 |
| 70 | | Phenanthrene | 1.154 | 1.196 | -3.6 | 48# | 0.00 |
| 71 | | Anthracene | 1.205 | 1.249 | -3.7 | 48# | 0.00 |
| 72 | | Carbazole | 1.174 | 1.257 | -7.1 | 48# | 0.00 |
| 73 | | Di-n-butylphthalate | 1.249 | 1.443 | -15.5 | 51 | 0.00 |
| 74 | C | Fluoranthene | 1.142 | 1.215 | -6.4 | 48# | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 46# | 0.00 |
| 76 | | Benzidine | 0.768 | 0.974 | -26.8# | 56 | 0.00 |
| 77 | | Pyrene | 1.492 | 1.594 | -6.8 | 48# | 0.00 |
| 78 | S | Terphenyl-d14 | 0.806 | 0.888 | -10.2 | 50 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.652 | 0.725 | -11.2 | 49# | 0.00 |
| 80 | | Benzo(a)anthracene | 1.163 | 1.199 | -3.1 | 46# | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.413 | 0.470 | -13.8 | 50 | 0.00 |
| 82 | | Chrysene | 1.162 | 1.155 | 0.6 | 44# | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.919 | 1.034 | -12.5 | 50# | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.515 | 1.676 | -10.6 | 49# | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.994 | 0.823 | 17.2 | 40# | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 38# | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.252 | 1.357 | -8.4 | 39# | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.197 | 1.276 | -6.6 | 42# | 0.00 |
| 89 C | Benzo(a)pyrene | 1.151 | 1.181 | -2.6 | 39# | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.976 | 0.980 | -0.4 | 40# | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.995 | 0.937 | 5.8 | 38# | 0.00 |

(#) = Out of Range SPCC's out = 2 CCC's out = 0