# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF060817\
Data File : BF095786.D
Acq On : 8 Jun 2017 16:36
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 08 17:26:43 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 11:19:45 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 | 61 | -0.03 |
| 2 | | 1,4-Dioxane | 0.597 | 0.596 | 0.2 | 58 | -0.05 |
| 3 | | Pyridine | 1.403 | 1.506 | -7.3 | 63 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.534 | 0.549 | -2.8 | 61 | -0.05 |
| 5 | S | 2-Fluorophenol | 1.255 | 1.375 | -9.6 | 61 | -0.03 |
| 6 | | Aniline | 1.966 | 2.075 | -5.5 | 60 | -0.03 |
| 7 | S | Phenol-d6 | 1.503 | 1.651 | -9.8 | 61 | -0.02 |
| 8 | | 2-Chlorophenol | 1.335 | 1.430 | -7.1 | 60 | -0.02 |
| 9 | | Benzaldehyde | 1.014 | 1.020 | -0.6 | 58 | -0.03 |
| 10 | C | Phenol | 1.559 | 1.697 | -8.9 | 59 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.235 | 1.331 | -7.8 | 60 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 1.511 | 1.590 | -5.2 | 63 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 1.532 | 1.622 | -5.9 | 63 | -0.03 |
| 14 | | 1,2-Dichlorobenzene | 1.412 | 1.511 | -7.0 | 63 | -0.03 |
| 15 | | Benzyl Alcohol | 1.031 | 1.131 | -9.7 | 63 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.735 | 1.787 | -3.0 | 60 | -0.02 |
| 17 | | 2-Methylphenol | 1.120 | 1.196 | -6.8 | 62 | -0.02 |
| 18 | | Hexachloroethane | 0.506 | 0.544 | -7.5 | 63 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.952 | 1.028 | -8.0 | 62 | -0.03 |
| 20 | | 3+4-Methylphenols | 1.422 | 1.587 | -11.6 | 65 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 62 | -0.03 |
| 22 | | Acetophenone | 0.468 | 0.475 | -1.5 | 62 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 0.322 | 0.330 | -2.5 | 62 | -0.03 |
| 24 | | Nitrobenzene | 0.344 | 0.342 | 0.6 | 61 | -0.03 |
| 25 | | Isophorone | 0.601 | 0.599 | 0.3 | 62 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.180 | 0.189 | -5.0 | 62 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 0.280 | 0.286 | -2.1 | 63 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.396 | 0.399 | -0.8 | 61 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 0.269 | 0.273 | -1.5 | 62 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.280 | 0.287 | -2.5 | 63 | -0.03 |
| 31 | | Naphthalene | 1.004 | 1.011 | -0.7 | 63 | -0.03 |
| 32 | | Benzoic acid | 0.161 | 0.172 | -6.8 | 62 | -0.02 |
| 33 | | 4-Chloroaniline | 0.392 | 0.410 | -4.6 | 65 | -0.03 |
| 34 | C | Hexachlorobutadiene | 0.145 | 0.145 | 0.0 | 62 | -0.03 |
| 35 | | Caprolactam | 0.080 | 0.086 | -7.5 | 63 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.282 | 0.296 | -5.0 | 64 | -0.02 |
| 37 | | 2-Methylnaphthalene | 0.678 | 0.680 | -0.3 | 63 | -0.03 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 66 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.599 | 0.610 | -1.8 | 63 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 0.138 | 0.151 | -9.4 | 65 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.177 | 0.187 | -5.6 | 68 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 0.385 | 0.400 | -3.9 | 63 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.409 | 0.436 | -6.6 | 63 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 1.437 | 1.449 | -0.8 | 65 | -0.03 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.648 | 1.677 | -1.8 | 64 | -0.03 |
| 46 | | 2-Chloronaphthalene | 1.288 | 1.303 | -1.2 | 63 | -0.02 |
| 47 | | 2-Nitroaniline | 0.377 | 0.387 | -2.7 | 60 | -0.02 |
| 48 | | Acenaphthylene | 2.202 | 2.228 | -1.2 | 62 | -0.03 |
| 49 | | Dimethylphthalate | 1.519 | 1.525 | -0.4 | 62 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.331 | 0.342 | -3.3 | 62 | -0.02 |
| 51 | C | Acenaphthene | 1.272 | 1.293 | -1.7 | 67 | -0.03 |
| 52 | | 3-Nitroaniline | 0.386 | 0.404 | -4.7 | 68 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 0.160 | 0.173 | -8.1 | 69 | -0.02 |
| 54 | | Dibenzofuran | 1.790 | 1.837 | -2.6 | 68 | -0.03 |
| 55 | P | 4-Nitrophenol | 0.201 | 0.189 | 6.0 | 57 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.447 | 0.475 | -6.3 | 68 | -0.02 |
| 57 | | Fluorene | 1.558 | 1.594 | -2.3 | 67 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.280 | 0.295 | -5.4 | 67 | -0.02 |
| 59 | | Diethylphthalate | 1.461 | 1.482 | -1.4 | 66 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.677 | 0.695 | -2.7 | 67 | -0.03 |
| 61 | | 4-Nitroaniline | 0.360 | 0.376 | -4.4 | 67 | -0.02 |
| 62 | | Azobenzene | 1.324 | 1.324 | 0.0 | 65 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 65 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.131 | 0.137 | -4.6 | 65 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 0.719 | 0.726 | -1.0 | 67 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 0.208 | 0.209 | -0.5 | 65 | -0.03 |
| 67 | | Hexachlorobenzene | 0.205 | 0.213 | -3.9 | 67 | -0.02 |
| 68 | | Atrazine | 0.200 | 0.202 | -1.0 | 68 | -0.02 |
| 69 | C | Pentachlorophenol | 0.067 | 0.063 | 6.0 | 61 | -0.02 |
| 70 | | Phenanthrene | 1.154 | 1.189 | -3.0 | 69 | -0.02 |
| 71 | | Anthracene | 1.205 | 1.234 | -2.4 | 69 | -0.03 |
| 72 | | Carbazole | 1.174 | 1.241 | -5.7 | 69 | -0.02 |
| 73 | | Di-n-butylphthalate | 1.249 | 1.296 | -3.8 | 67 | -0.02 |
| 74 | C | Fluoranthene | 1.142 | 1.224 | -7.2 | 70 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 71 | -0.02 |
| 76 | | Benzidine | 0.768 | 0.707 | 7.9 | 64 | -0.02 |
| 77 | | Pyrene | 1.492 | 1.482 | 0.7 | 70 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.806 | 0.802 | 0.5 | 71 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.652 | 0.646 | 0.9 | 68 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.163 | 1.189 | -2.2 | 72 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.413 | 0.426 | -3.1 | 71 | -0.02 |
| 82 | | Chrysene | 1.162 | 1.163 | -0.1 | 70 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.919 | 0.896 | 2.5 | 67 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.515 | 1.461 | 3.6 | 67 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.994 | 0.827 | 16.8 | 63 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 64 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.252 | 1.274 | -1.8 | 62 | -0.02 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.197 | 1.299 | -8.5 | 72 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.151 | 1.174 | -2.0 | 66 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 0.976 | 0.880 | 9.8 | 61 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.995 | 0.874 | 12.2 | 60 | -0.02 |

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