# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF100117\
Data File : BF098984.D
Acq On : 1 Oct 2017 11:15
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 02 01:03:37 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 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 | 84 | -0.02 |
| 2 | | 1,4-Dioxane | 0.600 | 0.618 | -3.0 | 85 | -0.04 |
| 3 | | Pyridine | 1.624 | 1.730 | -6.5 | 92 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 0.688 | 0.707 | -2.8 | 86 | -0.04 |
| 5 | S | 2-Fluorophenol | 1.256 | 1.333 | -6.1 | 89 | -0.02 |
| 6 | | Aniline | 2.092 | 2.150 | -2.8 | 87 | -0.02 |
| 7 | S | Phenol-d6 | 1.550 | 1.631 | -5.2 | 88 | -0.01 |
| 8 | | 2-Chlorophenol | 1.423 | 1.474 | -3.6 | 88 | -0.02 |
| 9 | | Benzaldehyde | 0.899 | 0.873 | 2.9 | 84 | -0.02 |
| 10 | C | Phenol | 1.733 | 1.826 | -5.4 | 90 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.348 | 1.387 | -2.9 | 88 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.490 | 1.563 | -4.9 | 90 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.516 | 1.580 | -4.2 | 90 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.401 | 1.462 | -4.4 | 89 | -0.02 |
| 15 | | Benzyl Alcohol | 1.137 | 1.168 | -2.7 | 87 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.099 | 2.103 | -0.2 | 87 | -0.02 |
| 17 | | 2-Methylphenol | 1.164 | 1.214 | -4.3 | 89 | -0.01 |
| 18 | | Hexachloroethane | 0.545 | 0.572 | -5.0 | 90 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.990 | 0.966 | 2.4 | 86 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.473 | 1.478 | -0.3 | 85 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 83 | -0.02 |
| 22 | | Acetophenone | 0.485 | 0.487 | -0.4 | 86 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.312 | 0.337 | -8.0 | 89 | -0.02 |
| 24 | | Nitrobenzene | 0.354 | 0.371 | -4.8 | 87 | -0.02 |
| 25 | | Isophorone | 0.645 | 0.659 | -2.2 | 87 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.170 | 0.196 | -15.3 | 92 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.321 | 0.331 | -3.1 | 87 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.402 | 0.415 | -3.2 | 88 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.276 | 0.289 | -4.7 | 88 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.276 | 0.290 | -5.1 | 88 | -0.02 |
| 31 | | Naphthalene | 0.939 | 0.970 | -3.3 | 88 | -0.02 |
| 32 | | Benzoic acid | 0.264 | 0.257 | 2.7 | 78 | -0.01 |
| 33 | | 4-Chloroaniline | 0.392 | 0.409 | -4.3 | 88 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.142 | 0.148 | -4.2 | 89 | -0.02 |
| 35 | | Caprolactam | 0.088 | 0.090 | -2.3 | 87 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.310 | 0.319 | -2.9 | 86 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.611 | 0.635 | -3.9 | 88 | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 82 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.596 | 0.632 | -6.0 | 89 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.273 | 0.244 | 10.6 | 72 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.164 | 0.174 | -6.1 | 84 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.423 | 0.441 | -4.3 | 87 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.422 | 0.441 | -4.5 | 85 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.198 | 1.289 | -7.6 | 88 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.719 | 1.783 | -3.7 | 87 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.291 | 1.349 | -4.5 | 88 | -0.02 |
| 47 | | 2-Nitroaniline | 0.395 | 0.421 | -6.6 | 86 | -0.01 |
| 48 | | Acenaphthylene | 1.976 | 2.074 | -5.0 | 88 | -0.02 |
| 49 | | Dimethylphthalate | 1.509 | 1.574 | -4.3 | 88 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.329 | 0.351 | -6.7 | 86 | -0.01 |
| 51 | C | Acenaphthene | 1.251 | 1.318 | -5.4 | 88 | -0.02 |
| 52 | | 3-Nitroaniline | 0.383 | 0.415 | -8.4 | 86 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.148 | 0.159 | -7.4 | 84 | 0.00 |
| 54 | | Dibenzofuran | 1.666 | 1.737 | -4.3 | 87 | -0.02 |
| 55 | P | 4-Nitrophenol | 0.324 | 0.322 | 0.6 | 79 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.426 | 0.471 | -10.6 | 88 | -0.01 |
| 57 | | Fluorene | 1.339 | 1.402 | -4.7 | 89 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.291 | 0.297 | -2.1 | 83 | -0.01 |
| 59 | | Diethylphthalate | 1.475 | 1.496 | -1.4 | 85 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.602 | 0.624 | -3.7 | 87 | -0.02 |
| 61 | | 4-Nitroaniline | 0.370 | 0.398 | -7.6 | 86 | -0.01 |
| 62 | | Azobenzene | 1.356 | 1.380 | -1.8 | 85 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 79 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.138 | -13.1 | 89 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.693 | 0.720 | -3.9 | 85 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.196 | 0.209 | -6.6 | 86 | -0.02 |
| 67 | | Hexachlorobenzene | 0.209 | 0.219 | -4.8 | 85 | -0.01 |
| 68 | | Atrazine | 0.208 | 0.213 | -2.4 | 82 | -0.01 |
| 69 | C | Pentachlorophenol | 0.130 | 0.123 | 5.4 | 72 | -0.01 |
| 70 | | Phenanthrene | 1.071 | 1.118 | -4.4 | 86 | -0.02 |
| 71 | | Anthracene | 1.095 | 1.140 | -4.1 | 85 | -0.02 |
| 72 | | Carbazole | 1.073 | 1.111 | -3.5 | 84 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.291 | 1.358 | -5.2 | 85 | -0.02 |
| 74 | C | Fluoranthene | 1.084 | 1.111 | -2.5 | 84 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 76 | -0.01 |
| 76 | | Benzidine | 0.740 | 0.805 | -8.8 | 84 | -0.02 |
| 77 | | Pyrene | 1.525 | 1.629 | -6.8 | 83 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.879 | 0.947 | -7.7 | 84 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.717 | 0.798 | -11.3 | 84 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.211 | 1.274 | -5.2 | 83 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.444 | 0.462 | -4.1 | 80 | -0.02 |
| 82 | | Chrysene | 1.153 | 1.207 | -4.7 | 82 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.987 | 1.075 | -8.9 | 83 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.589 | 1.759 | -10.7 | 87 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.922 | 1.017 | -10.3 | 93 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 82 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.230 | 1.311 | -6.6 | 86 | -0.02 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.215 | 1.197 | 1.5 | 82 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.129 | 1.168 | -3.5 | 86 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 0.903 | 0.977 | -8.2 | 92 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.893 | 0.985 | -10.3 | 93 | -0.01 |

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