# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF101817\
Data File : BF099645.D
Acq On : 19 Oct 2017 5:04
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 19 16:21:56 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 18 22:24:53 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 | 52 | 0.00 |
| 2 | | 1,4-Dioxane | 0.600 | 0.638 | -6.3 | 54 | -0.02 |
| 3 | | Pyridine | 1.624 | 1.571 | 3.3 | 51 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.688 | 0.586 | 14.8 | 44# | -0.02 |
| 5 | S | 2-Fluorophenol | 1.256 | 1.407 | -12.0 | 57 | 0.00 |
| 6 | | Aniline | 2.092 | 1.961 | 6.3 | 49# | 0.00 |
| 7 | S | Phenol-d6 | 1.550 | 1.592 | -2.7 | 53 | 0.00 |
| 8 | | 2-Chlorophenol | 1.423 | 1.509 | -6.0 | 55 | 0.00 |
| 9 | | Benzaldehyde | 0.899 | 0.791 | 12.0 | 47# | 0.00 |
| 10 | C | Phenol | 1.733 | 1.811 | -4.5 | 54 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.348 | 1.379 | -2.3 | 53 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.490 | 1.591 | -6.8 | 56 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.516 | 1.607 | -6.0 | 56 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.401 | 1.477 | -5.4 | 55 | 0.00 |
| 15 | | Benzyl Alcohol | 1.137 | 0.974 | 14.3 | 44# | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.099 | 1.741 | 17.1 | 44# | 0.00 |
| 17 | | 2-Methylphenol | 1.164 | 1.117 | 4.0 | 50 | 0.00 |
| 18 | | Hexachloroethane | 0.545 | 0.455 | 16.5 | 44# | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.990 | 0.854 | 13.7 | 47# | 0.00 |
| 20 | | 3+4-Methylphenols | 1.473 | 1.358 | 7.8 | 48# | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 44# | 0.00 |
| 22 | | Acetophenone | 0.485 | 0.518 | -6.8 | 48# | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.312 | 0.338 | -8.3 | 47# | 0.00 |
| 24 | | Nitrobenzene | 0.354 | 0.372 | -5.1 | 46# | 0.00 |
| 25 | | Isophorone | 0.645 | 0.643 | 0.3 | 45# | 0.00 |
| 26 | C | 2-Nitrophenol | 0.170 | 0.185 | -8.8 | 46# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.321 | 0.326 | -1.6 | 45# | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.402 | 0.437 | -8.7 | 49# | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.276 | 0.295 | -6.9 | 47# | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.276 | 0.306 | -10.9 | 49# | 0.00 |
| 31 | | Naphthalene | 0.939 | 0.990 | -5.4 | 47# | 0.00 |
| 32 | | Benzoic acid | 0.264 | 0.175 | 33.7# | 28# | -0.03 |
| 33 | | 4-Chloroaniline | 0.392 | 0.403 | -2.8 | 45# | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.142 | 0.160 | -12.7 | 51 | 0.00 |
| 35 | | Caprolactam | 0.088 | 0.077 | 12.5 | 40# | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.310 | 0.278 | 10.3 | 40# | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.611 | 0.596 | 2.5 | 44# | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 34# | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.596 | 0.755 | -26.7# | 44# | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.273 | 0.019# | 93.0# | 2# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.164 | 0.179 | -9.1 | 36# | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.423 | 0.473 | -11.8 | 39# | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.422 | 0.467 | -10.7 | 38# | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.198 | 1.570 | -31.1# | 45# | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.719 | 2.100 | -22.2 | 43# | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.291 | 1.493 | -15.6 | 40# | 0.00 |
| 47 | | 2-Nitroaniline | 0.395 | 0.404 | -2.3 | 34# | 0.00 |
| 48 | | Acenaphthylene | 1.976 | 2.187 | -10.7 | 39# | 0.00 |
| 49 | | Dimethylphthalate | 1.509 | 1.770 | -17.3 | 41# | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.329 | 0.349 | -6.1 | 36# | 0.00 |
| 51 | C | Acenaphthene | 1.251 | 1.272 | -1.7 | 36# | 0.00 |
| 52 | | 3-Nitroaniline | 0.383 | 0.432 | -12.8 | 37# | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.148 | 0.007# | 95.3# | 1# | 0.01 |
| 54 | | Dibenzofuran | 1.666 | 1.768 | -6.1 | 37# | 0.00 |
| 55 | P | 4-Nitrophenol | 0.324 | 0.354 | -9.3 | 37# | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.426 | 0.398 | 6.6 | 31# | 0.00 |
| 57 | | Fluorene | 1.339 | 1.466 | -9.5 | 39# | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.291 | 0.290 | 0.3 | 34# | 0.00 |
| 59 | | Diethylphthalate | 1.475 | 1.554 | -5.4 | 37# | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.602 | 0.660 | -9.6 | 39# | 0.00 |
| 61 | | 4-Nitroaniline | 0.370 | 0.444 | -20.0 | 40# | -0.01 |
| 62 | | Azobenzene | 1.356 | 1.224 | 9.7 | 32# | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 33# | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.014 | 88.5# | 4# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.693 | 0.732 | -5.6 | 37# | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.196 | 0.209 | -6.6 | 36# | 0.00 |
| 67 | | Hexachlorobenzene | 0.209 | 0.229 | -9.6 | 38# | 0.00 |
| 68 | | Atrazine | 0.208 | 0.178 | 14.4 | 29# | 0.00 |
| 69 | C | Pentachlorophenol | 0.130 | 0.127 | 2.3 | 31# | 0.00 |
| 70 | | Phenanthrene | 1.071 | 1.197 | -11.8 | 39# | 0.00 |
| 71 | | Anthracene | 1.095 | 1.219 | -11.3 | 38# | 0.00 |
| 72 | | Carbazole | 1.073 | 1.212 | -13.0 | 39# | 0.00 |
| 73 | | Di-n-butylphthalate | 1.291 | 1.377 | -6.7 | 36# | 0.00 |
| 74 | C | Fluoranthene | 1.084 | 1.361 | -25.6# | 44# | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 48# | 0.00 |
| 76 | | Benzidine | 0.740 | 0.768 | -3.8 | 50 | 0.00 |
| 77 | | Pyrene | 1.525 | 1.374 | 9.9 | 44# | 0.00 |
| 78 | S | Terphenyl-d14 | 0.879 | 0.821 | 6.6 | 46# | 0.00 |
| 79 | | Butylbenzylphthalate | 0.717 | 0.658 | 8.2 | 44# | 0.00 |
| 80 | | Benzo(a)anthracene | 1.211 | 1.262 | -4.2 | 51 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.444 | 0.495 | -11.5 | 54 | 0.00 |
| 82 | | Chrysene | 1.153 | 1.220 | -5.8 | 52 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.987 | 0.943 | 4.5 | 46# | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.589 | 1.795 | -13.0 | 56 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.922 | 0.873 | 5.3 | 50 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 49# | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.230 | 1.384 | -12.5 | 54 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.215 | 1.304 | -7.3 | 54 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.129 | 1.210 | -7.2 | 53 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.903 | 0.911 | -0.9 | 51 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.893 | 0.870 | 2.6 | 49# | 0.02 |

(#) = Out of Range SPCC's out = 2 CCC's out = 1