# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF102717\
Data File : BF099886.D
Acq On : 27 Oct 2017 20:20
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 27 22:53:39 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 27 15:58:57 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 | 81 | 0.00 |
| 2 | | 1,4-Dioxane | 0.563 | 0.610 | -8.3 | 87 | -0.02 |
| 3 | | Pyridine | 1.353 | 1.544 | -14.1 | 85 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.483 | 0.529 | -9.5 | 81 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.274 | 1.441 | -13.1 | 89 | 0.00 |
| 6 | | Aniline | 1.959 | 2.163 | -10.4 | 88 | 0.00 |
| 7 | S | Phenol-d6 | 1.511 | 1.660 | -9.9 | 88 | 0.00 |
| 8 | | 2-Chlorophenol | 1.358 | 1.505 | -10.8 | 87 | 0.00 |
| 9 | | Benzaldehyde | 0.903 | 0.927 | -2.7 | 82 | 0.00 |
| 10 | C | Phenol | 1.658 | 1.829 | -10.3 | 87 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.281 | 1.422 | -11.0 | 87 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.524 | 1.679 | -10.2 | 88 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.547 | 1.706 | -10.3 | 88 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.410 | 1.560 | -10.6 | 89 | 0.00 |
| 15 | | Benzyl Alcohol | 0.961 | 1.059 | -10.2 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.423 | 1.299 | 8.7 | 73 | 0.00 |
| 17 | | 2-Methylphenol | 1.136 | 1.261 | -11.0 | 88 | 0.00 |
| 18 | | Hexachloroethane | 0.516 | 0.555 | -7.6 | 86 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.885 | 0.964 | -8.9 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.322 | 1.507 | -14.0 | 93 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 22 | | Acetophenone | 0.455 | 0.482 | -5.9 | 90 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.311 | 0.327 | -5.1 | 87 | 0.00 |
| 24 | | Nitrobenzene | 0.313 | 0.331 | -5.8 | 86 | 0.00 |
| 25 | | Isophorone | 0.564 | 0.596 | -5.7 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.199 | -11.2 | 87 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.264 | 0.285 | -8.0 | 89 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.395 | 0.423 | -7.1 | 89 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.302 | -10.2 | 89 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.293 | 0.314 | -7.2 | 88 | 0.00 |
| 31 | | Naphthalene | 0.965 | 1.035 | -7.3 | 89 | 0.00 |
| 32 | | Benzoic acid | 0.233 | 0.266 | -14.2 | 96 | 0.00 |
| 33 | | 4-Chloroaniline | 0.399 | 0.430 | -7.8 | 88 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.151 | 0.160 | -6.0 | 89 | 0.00 |
| 35 | | Caprolactam | 0.086 | 0.096 | -11.6 | 90 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.280 | 0.302 | -7.9 | 89 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.647 | 0.700 | -8.2 | 91 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.646 | 0.688 | -6.5 | 90 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.093 | 0.121 | -30.1# | 106 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.182 | 0.201 | -10.4 | 93 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.391 | 0.420 | -7.4 | 91 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.415 | 0.436 | -5.1 | 85 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.296 | 1.404 | -8.3 | 90 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.809 | 1.916 | -5.9 | 90 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.314 | 1.387 | -5.6 | 89 | 0.00 |
| 47 | | 2-Nitroaniline | 0.345 | 0.364 | -5.5 | 87 | 0.00 |
| 48 | | Acenaphthylene | 2.024 | 2.137 | -5.6 | 90 | 0.00 |
| 49 | | Dimethylphthalate | 1.584 | 1.633 | -3.1 | 87 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.333 | 0.349 | -4.8 | 86 | 0.00 |
| 51 | C | Acenaphthene | 1.237 | 1.309 | -5.8 | 91 | 0.00 |
| 52 | | 3-Nitroaniline | 0.392 | 0.431 | -9.9 | 91 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.114 | 0.126 | -10.5 | 88 | 0.00 |
| 54 | | Dibenzofuran | 1.746 | 1.844 | -5.6 | 91 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.205 | 0.198 | 3.4 | 77 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.401 | 0.437 | -9.0 | 91 | 0.00 |
| 57 | | Fluorene | 1.445 | 1.546 | -7.0 | 92 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.291 | 0.321 | -10.3 | 91 | 0.00 |
| 59 | | Diethylphthalate | 1.547 | 1.624 | -5.0 | 89 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.680 | 0.720 | -5.9 | 91 | 0.00 |
| 61 | | 4-Nitroaniline | 0.374 | 0.413 | -10.4 | 91 | 0.00 |
| 62 | | Azobenzene | 1.297 | 1.374 | -5.9 | 88 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.140 | -11.1 | 91 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.738 | 0.780 | -5.7 | 91 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.211 | 0.226 | -7.1 | 92 | 0.00 |
| 67 | | Hexachlorobenzene | 0.215 | 0.227 | -5.6 | 90 | 0.00 |
| 68 | | Atrazine | 0.222 | 0.237 | -6.8 | 89 | 0.00 |
| 69 | C | Pentachlorophenol | 0.092 | 0.095 | -3.3 | 88 | 0.00 |
| 70 | | Phenanthrene | 1.129 | 1.193 | -5.7 | 91 | 0.00 |
| 71 | | Anthracene | 1.146 | 1.226 | -7.0 | 93 | 0.00 |
| 72 | | Carbazole | 1.077 | 1.158 | -7.5 | 92 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.374 | 1.419 | -3.3 | 88 | 0.00 |
| 74 | C | Fluoranthene | 1.173 | 1.242 | -5.9 | 91 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 76 | | Benzidine | 0.875 | 0.860 | 1.7 | 82 | 0.00 |
| 77 | | Pyrene | 1.521 | 1.707 | -12.2 | 91 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.915 | 1.001 | -9.4 | 91 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.749 | 0.807 | -7.7 | 85 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.268 | 1.343 | -5.9 | 85 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.460 | 0.482 | -4.8 | 84 | 0.00 |
| 82 | | Chrysene | 1.192 | 1.257 | -5.5 | 85 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 1.052 | 1.018 | 3.2 | 80 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.805 | 1.700 | 5.8 | 75 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.094 | 0.947 | 13.4 | 74 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.263 | 1.351 | -7.0 | 82 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.191 | 1.304 | -9.5 | 76 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.134 | 1.202 | -6.0 | 78 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.008 | 0.988 | 2.0 | 74 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.986 | 0.960 | 2.6 | 73 | 0.00 |

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