# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF041318\
Data File : BF104500.D
Acq On : 14 Apr 2018 2:22
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 14 05:19:25 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 13 17:38:31 2018
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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 0.609 | 0.561 | 7.9 | 87 | -0.02 |
| 3 | | Pyridine | 1.714 | 1.569 | 8.5 | 87 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.599 | 0.523 | 12.7 | 83 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.308 | 1.202 | 8.1 | 89 | 0.00 |
| 6 | | Aniline | 2.233 | 1.926 | 13.7 | 82 | 0.00 |
| 7 | S | Phenol-d6 | 1.607 | 1.451 | 9.7 | 88 | 0.00 |
| 8 | | 2-Chlorophenol | 1.381 | 1.302 | 5.7 | 90 | 0.00 |
| 9 | | Benzaldehyde | 0.802 | 0.768 | 4.2 | 88 | 0.00 |
| 10 | C | Phenol | 1.705 | 1.586 | 7.0 | 91 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.361 | 1.243 | 8.7 | 87 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.564 | 1.481 | 5.3 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.559 | 1.479 | 5.1 | 91 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.445 | 1.365 | 5.5 | 90 | 0.00 |
| 15 | | Benzyl Alcohol | 1.221 | 1.075 | 12.0 | 85 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.827 | 1.543 | 15.5 | 81 | 0.00 |
| 17 | | 2-Methylphenol | 1.200 | 1.099 | 8.4 | 88 | 0.00 |
| 18 | | Hexachloroethane | 0.556 | 0.458 | 17.6 | 79 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.050 | 0.857 | 18.4 | 82 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.488 | 1.292 | 13.2 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 22 | | Acetophenone | 0.492 | 0.449 | 8.7 | 85 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.306 | 0.326 | -6.5 | 96 | 0.00 |
| 24 | | Nitrobenzene | 0.338 | 0.346 | -2.4 | 91 | 0.00 |
| 25 | | Isophorone | 0.648 | 0.586 | 9.6 | 84 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.138 | 0.160 | -15.9 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.286 | 0.251 | 12.2 | 80 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.396 | 0.368 | 7.1 | 87 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.273 | 0.256 | 6.2 | 86 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.299 | 0.295 | 1.3 | 91 | 0.00 |
| 31 | | Naphthalene | 0.996 | 0.933 | 6.3 | 87 | 0.00 |
| 32 | | Benzoic acid | 0.228 | 0.147 | 35.5# | 56 | -0.01 |
| 33 | | 4-Chloroaniline | 0.427 | 0.392 | 8.2 | 86 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.164 | 0.164 | 0.0 | 93 | 0.00 |
| 35 | | Caprolactam | 0.095 | 0.084 | 11.6 | 80 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.292 | 0.263 | 9.9 | 83 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.644 | 0.586 | 9.0 | 85 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.573 | 0.619 | -8.0 | 92 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.321 | 0.046# | 85.7# | 12# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.207 | 0.172 | 16.9 | 69 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.397 | 0.395 | 0.5 | 81 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.445 | 0.431 | 3.1 | 81 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.266 | 1.282 | -1.3 | 86 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.680 | 1.674 | 0.4 | 84 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.327 | 1.321 | 0.5 | 84 | 0.00 |
| 47 | | 2-Nitroaniline | 0.328 | 0.399 | -21.6 | 95 | 0.00 |
| 48 | | Acenaphthylene | 2.082 | 1.960 | 5.9 | 79 | 0.00 |
| 49 | | Dimethylphthalate | 1.577 | 1.597 | -1.3 | 86 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.292 | 0.327 | -12.0 | 86 | 0.00 |
| 51 | C | Acenaphthene | 1.270 | 1.134 | 10.7 | 75 | 0.00 |
| 52 | | 3-Nitroaniline | 0.342 | 0.379 | -10.8 | 86 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.089 | 0.008# | 91.0# | 8# | 0.00 |
| 54 | | Dibenzofuran | 1.770 | 1.620 | 8.5 | 77 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.268 | 0.212 | 20.9 | 61 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.383 | 0.398 | -3.9 | 83 | 0.00 |
| 57 | | Fluorene | 1.289 | 1.211 | 6.1 | 78 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.332 | 0.275 | 17.2 | 69 | 0.00 |
| 59 | | Diethylphthalate | 1.571 | 1.489 | 5.2 | 80 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.574 | 0.574 | 0.0 | 83 | 0.00 |
| 61 | | 4-Nitroaniline | 0.334 | 0.352 | -5.4 | 80 | 0.00 |
| 62 | | Azobenzene | 1.501 | 1.279 | 14.8 | 72 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 68 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.087 | 0.018 | 79.3# | 14# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.693 | 0.753 | -8.7 | 75 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.213 | 0.226 | -6.1 | 74 | 0.00 |
| 67 | | Hexachlorobenzene | 0.239 | 0.246 | -2.9 | 72 | 0.00 |
| 68 | | Atrazine | 0.209 | 0.211 | -1.0 | 70 | 0.00 |
| 69 | C | Pentachlorophenol | 0.148 | 0.110 | 25.7# | 48# | 0.00 |
| 70 | | Phenanthrene | 1.114 | 1.044 | 6.3 | 65 | 0.00 |
| 71 | | Anthracene | 1.132 | 1.061 | 6.3 | 66 | 0.00 |
| 72 | | Carbazole | 1.106 | 0.978 | 11.6 | 62 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.351 | 1.340 | 0.8 | 69 | 0.00 |
| 74 | C | Fluoranthene | 1.164 | 0.977 | 16.1 | 58 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 63 | 0.00 |
| 76 | | Benzidine | 0.692 | 0.590 | 14.7 | 54 | 0.00 |
| 77 | | Pyrene | 1.482 | 1.345 | 9.2 | 58 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.877 | 0.829 | 5.5 | 62 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.698 | 0.659 | 5.6 | 60 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.195 | 1.193 | 0.2 | 65 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.445 | 0.446 | -0.2 | 62 | 0.00 |
| 82 | | Chrysene | 1.227 | 1.161 | 5.4 | 60 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.898 | 0.919 | -2.3 | 66 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.501 | 1.479 | 1.5 | 61 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.043 | 0.856 | 17.9 | 54 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 55 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.263 | 1.240 | 1.8 | 54 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.193 | 1.241 | -4.0 | 58 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.130 | 1.076 | 4.8 | 53 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.928 | 0.888 | 4.3 | 55 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.899 | 0.836 | 7.0 | 55 | 0.00 |

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