# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF031617\
Data File : BF093703.D
Acq On : 16 Mar 2017 13:43
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 17 03:09:39 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 15:05:08 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 | 83 | -0.02 |
| 2 | | 1,4-Dioxane | 0.662 | 0.679 | -2.6 | 83 | -0.02 |
| 3 | | Pyridine | 1.688 | 1.904 | -12.8 | 86 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.806 | 0.846 | -5.0 | 92 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.202 | 1.371 | -14.1 | 95 | -0.03 |
| 6 | | Aniline | 2.080 | 2.163 | -4.0 | 92 | -0.02 |
| 7 | S | Phenol-d6 | 1.515 | 1.543 | -1.8 | 88 | -0.02 |
| 8 | | 2-Chlorophenol | 1.346 | 1.402 | -4.2 | 88 | -0.02 |
| 9 | | Benzaldehyde | 1.017 | 0.860 | 15.4 | 78 | -0.02 |
| 10 | C | Phenol | 1.857 | 2.031 | -9.4 | 100 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.501 | 1.611 | -7.3 | 93 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.541 | 1.576 | -2.3 | 89 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.578 | 1.620 | -2.7 | 89 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.397 | 1.450 | -3.8 | 88 | -0.02 |
| 15 | | Benzyl Alcohol | 1.080 | 1.114 | -3.1 | 92 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.493 | 2.813 | -12.8 | 95 | -0.02 |
| 17 | | 2-Methylphenol | 1.139 | 1.233 | -8.3 | 94 | -0.02 |
| 18 | | Hexachloroethane | 0.532 | 0.566 | -6.4 | 91 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.042 | 1.111 | -6.6 | 99 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.477 | 1.714 | -16.0 | 97 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 87 | -0.02 |
| 22 | | Acetophenone | 0.481 | 0.481 | 0.0 | 90 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.360 | 0.390 | -8.3 | 96 | -0.02 |
| 24 | | Nitrobenzene | 0.405 | 0.411 | -1.5 | 86 | -0.02 |
| 25 | | Isophorone | 0.727 | 0.716 | 1.5 | 89 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.185 | 0.188 | -1.6 | 85 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.301 | 0.284 | 5.6 | 76 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.459 | 0.475 | -3.5 | 95 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.283 | 0.281 | 0.7 | 87 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.301 | 0.286 | 5.0 | 82 | -0.02 |
| 31 | | Naphthalene | 1.002 | 0.985 | 1.7 | 90 | -0.02 |
| 32 | | Benzoic acid | 0.156 | 0.152 | 2.6 | 89 | -0.02 |
| 33 | | 4-Chloroaniline | 0.407 | 0.401 | 1.5 | 86 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.155 | 0.159 | -2.6 | 92 | -0.01 |
| 35 | | Caprolactam | 0.097 | 0.092 | 5.2 | 80 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.302 | 0.309 | -2.3 | 89 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.638 | 0.614 | 3.8 | 84 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 82 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.546 | 0.584 | -7.0 | 80 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 0.098 | 0.088 | 10.2 | 66 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.130 | 0.152 | -16.9 | 88 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.341 | 0.394 | -15.5 | 87 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.366 | 0.406 | -10.9 | 79 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.075 | 1.125 | -4.7 | 78 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.457 | 1.567 | -7.5 | 84 | -0.02 |
| 46 | | 2-Chloronaphthalene | 1.115 | 1.262 | -13.2 | 80 | -0.02 |
| 47 | | 2-Nitroaniline | 0.394 | 0.491 | -24.6 | 92 | -0.02 |
| 48 | | Acenaphthylene | 1.839 | 1.993 | -8.4 | 81 | -0.02 |
| 49 | | Dimethylphthalate | 1.326 | 1.364 | -2.9 | 82 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.291 | 0.321 | -10.3 | 92 | -0.01 |
| 51 | C | Acenaphthene | 1.088 | 1.143 | -5.1 | 78 | -0.02 |
| 52 | | 3-Nitroaniline | 0.350 | 0.407 | -16.3 | 98 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.132 | 0.106 | 19.7 | 53 | 0.00 |
| 54 | | Dibenzofuran | 1.361 | 1.588 | -16.7 | 84 | -0.02 |
| 55 | P | 4-Nitrophenol | 0.170 | 0.085 | 50.0# | 35# | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.357 | 0.430 | -20.4 | 99 | -0.01 |
| 57 | | Fluorene | 1.154 | 1.228 | -6.4 | 74 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.258 | 0.308 | -19.4 | 82 | -0.01 |
| 59 | | Diethylphthalate | 1.267 | 1.473 | -16.3 | 88 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.517 | 0.563 | -8.9 | 76 | -0.02 |
| 61 | | 4-Nitroaniline | 0.357 | 0.354 | 0.8 | 82 | -0.01 |
| 62 | | Azobenzene | 1.440 | 1.410 | 2.1 | 76 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 83 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.130 | 0.109 | 16.2 | 69 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.668 | 0.620 | 7.2 | 74 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.211 | 0.201 | 4.7 | 80 | -0.02 |
| 67 | | Hexachlorobenzene | 0.202 | 0.196 | 3.0 | 78 | -0.02 |
| 68 | | Atrazine | 0.195 | 0.202 | -3.6 | 85 | -0.01 |
| 69 | C | Pentachlorophenol | 0.070 | 0.057 | 18.6 | 66 | -0.01 |
| 70 | | Phenanthrene | 1.142 | 1.065 | 6.7 | 78 | -0.02 |
| 71 | | Anthracene | 1.155 | 1.172 | -1.5 | 92 | -0.01 |
| 72 | | Carbazole | 1.085 | 1.064 | 1.9 | 86 | -0.02 |
| 73 | | Di-n-butylphthalate | 1.255 | 1.188 | 5.3 | 82 | -0.02 |
| 74 | C | Fluoranthene | 1.103 | 1.142 | -3.5 | 88 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 87 | -0.02 |
| 76 | | Benzidine | 0.658 | 0.570 | 13.4 | 77 | -0.02 |
| 77 | | Pyrene | 1.455 | 1.422 | 2.3 | 88 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.769 | 0.726 | 5.6 | 75 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.612 | 0.611 | 0.2 | 82 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.181 | 1.155 | 2.2 | 85 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.414 | 0.410 | 1.0 | 83 | -0.01 |
| 82 | | Chrysene | 1.093 | 1.086 | 0.6 | 77 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.853 | 0.839 | 1.6 | 80 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.422 | 1.399 | 1.6 | 82 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.915 | 0.797 | 12.9 | 75 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 77 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.218 | 1.403 | -15.2 | 81 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.175 | 1.020 | 13.2 | 81 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.113 | 1.148 | -3.1 | 80 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 0.921 | 0.848 | 7.9 | 75 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 0.945 | 0.843 | 10.8 | 73 | -0.03 |

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