# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091916\
Data File : BF090121.D
Acq On : 19 Sep 2016 14:57
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 19 16:06:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 15 11:18:43 2016
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 | 136 | -0.01 |
| 2 | | 1,4-Dioxane | 0.649 | 0.628 | 3.2 | 138 | -0.06 |
| 3 | | Pyridine | 1.481 | 1.501 | -1.4 | 140 | -0.06 |
| 4 | | n-Nitrosodimethylamine | 0.460 | 0.525 | -14.1 | 156# | -0.06 |
| 5 | S | 2-Fluorophenol | 1.244 | 1.178 | 5.3 | 120 | -0.02 |
| 6 | | Aniline | 2.021 | 1.949 | 3.6 | 130 | -0.01 |
| 7 | S | Phenol-d6 | 1.628 | 1.558 | 4.3 | 136 | -0.01 |
| 8 | | 2-Chlorophenol | 1.433 | 1.360 | 5.1 | 130 | -0.01 |
| 9 | | Benzaldehyde | 0.868 | 0.888 | -2.3 | 135 | -0.01 |
| 10 | C | Phenol | 1.827 | 1.681 | 8.0 | 136 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.466 | 1.390 | 5.2 | 133 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.474 | 1.488 | -0.9 | 136 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.521 | 1.519 | 0.1 | 134 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.383 | 1.188 | 14.1 | 123 | -0.02 |
| 15 | | Benzyl Alcohol | 0.917 | 0.851 | 7.2 | 127 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.737 | 1.673 | 3.7 | 126 | -0.01 |
| 17 | | 2-Methylphenol | 1.172 | 1.133 | 3.3 | 130 | -0.01 |
| 18 | | Hexachloroethane | 0.552 | 0.526 | 4.7 | 134 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.012 | 0.925 | 8.6 | 126 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.423 | 1.377 | 3.2 | 127 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 132 | -0.01 |
| 22 | | Acetophenone | 0.484 | 0.492 | -1.7 | 130 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.356 | 0.365 | -2.5 | 132 | -0.01 |
| 24 | | Nitrobenzene | 0.375 | 0.333 | 11.2 | 123 | -0.01 |
| 25 | | Isophorone | 0.745 | 0.733 | 1.6 | 127 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.182 | 0.202 | -11.0 | 135 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.320 | 0.324 | -1.3 | 122 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.437 | 0.430 | 1.6 | 126 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.282 | 0.293 | -3.9 | 129 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.279 | 0.259 | 7.2 | 119 | -0.01 |
| 31 | | Naphthalene | 0.983 | 0.932 | 5.2 | 132 | -0.01 |
| 32 | | Benzoic acid | 0.230 | 0.266 | -15.7 | 130 | 0.00 |
| 33 | | 4-Chloroaniline | 0.418 | 0.398 | 4.8 | 130 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.143 | 0.141 | 1.4 | 138 | -0.01 |
| 35 | | Caprolactam | 0.094 | 0.097 | -3.2 | 141 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.328 | 0.349 | -6.4 | 147 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.610 | 0.542 | 11.1 | 121 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 129 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.514 | 0.471 | 8.4 | 131 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.267 | 0.259 | 3.0 | 128 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.201 | 0.197 | 2.0 | 131 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.373 | 0.364 | 2.4 | 132 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.401 | 0.396 | 1.2 | 132 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.273 | 1.118 | 12.2 | 124 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.637 | 1.360 | 16.9 | 119 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.213 | 1.152 | 5.0 | 129 | -0.01 |
| 47 | | 2-Nitroaniline | 0.387 | 0.415 | -7.2 | 135 | -0.01 |
| 48 | | Acenaphthylene | 2.037 | 1.955 | 4.0 | 127 | -0.01 |
| 49 | | Dimethylphthalate | 1.486 | 1.453 | 2.2 | 126 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.332 | 0.342 | -3.0 | 139 | 0.00 |
| 51 | C | Acenaphthene | 1.137 | 1.105 | 2.8 | 125 | -0.01 |
| 52 | | 3-Nitroaniline | 0.404 | 0.386 | 4.5 | 124 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.180 | 0.177 | 1.7 | 120 | -0.01 |
| 54 | | Dibenzofuran | 1.573 | 1.479 | 6.0 | 121 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.284 | 0.260 | 8.5 | 116 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.405 | 0.367 | 9.4 | 132 | -0.01 |
| 57 | | Fluorene | 1.234 | 1.060 | 14.1 | 122 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.306 | 0.282 | 7.8 | 132 | -0.01 |
| 59 | | Diethylphthalate | 1.438 | 1.296 | 9.9 | 130 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.520 | 0.415 | 20.2 | 114 | -0.01 |
| 61 | | 4-Nitroaniline | 0.409 | 0.426 | -4.2 | 134 | -0.01 |
| 62 | | Azobenzene | 1.509 | 1.345 | 10.9 | 122 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 124 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.132 | -8.2 | 114 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.634 | 0.582 | 8.2 | 119 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.193 | 0.198 | -2.6 | 120 | -0.01 |
| 67 | | Hexachlorobenzene | 0.227 | 0.226 | 0.4 | 121 | -0.01 |
| 68 | | Atrazine | 0.188 | 0.196 | -4.3 | 116 | -0.01 |
| 69 | C | Pentachlorophenol | 0.133 | 0.149 | -12.0 | 126 | -0.01 |
| 70 | | Phenanthrene | 0.966 | 0.906 | 6.2 | 119 | -0.01 |
| 71 | | Anthracene | 1.055 | 1.004 | 4.8 | 122 | -0.01 |
| 72 | | Carbazole | 1.083 | 1.073 | 0.9 | 119 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.214 | 1.090 | 10.2 | 124 | -0.01 |
| 74 | C | Fluoranthene | 1.013 | 0.914 | 9.8 | 121 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 124 | -0.01 |
| 76 | | Benzidine | 0.816 | 0.838 | -2.7 | 122 | -0.01 |
| 77 | | Pyrene | 1.460 | 1.390 | 4.8 | 125 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.842 | 0.751 | 10.8 | 119 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.727 | 0.752 | -3.4 | 132 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.167 | 1.113 | 4.6 | 122 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.489 | 0.478 | 2.2 | 121 | -0.01 |
| 82 | | Chrysene | 1.095 | 0.953 | 13.0 | 131 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.899 | 0.808 | 10.1 | 120 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.607 | 1.420 | 11.6 | 118 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.952 | 0.856 | 10.1 | 131 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 125 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.172 | 1.361 | -16.1 | 170# | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.056 | 0.851 | 19.4 | 86 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.051 | 1.028 | 2.2 | 124 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.823 | 0.804 | 2.3 | 127 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 0.786 | 0.819 | -4.2 | 138 | -0.01 |

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