# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101015\
Data File : BF082188.D
Acq On : 10 Oct 2015 21:10
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Oct 12 02:54:30 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
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 | 101 | 0.00 |
| 2 | | 1,4-Dioxane | 0.498 | 0.502 | -0.8 | 109 | 0.00 |
| 3 | | Pyridine | 1.158 | 1.205 | -4.1 | 107 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.491 | 0.509 | -3.7 | 101 | 0.00 |
| 5 | S | 2-Fluorophenol | 0.991 | 1.072 | -8.2 | 105 | 0.00 |
| 6 | | Aniline | 1.663 | 1.772 | -6.6 | 104 | 0.00 |
| 7 | S | Phenol-d6 | 1.290 | 1.366 | -5.9 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 1.210 | 1.189 | 1.7 | 102 | -0.01 |
| 9 | | Benzaldehyde | 0.659 | 0.690 | -4.7 | 98 | 0.00 |
| 10 | C | Phenol | 1.487 | 1.590 | -6.9 | 101 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.257 | 1.289 | -2.5 | 102 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.409 | 1.476 | -4.8 | 107 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.471 | 1.524 | -3.6 | 104 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.397 | 1.298 | 7.1 | 103 | 0.00 |
| 15 | | Benzyl Alcohol | 0.890 | 0.894 | -0.4 | 98 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.751 | 1.643 | 6.2 | 101 | 0.00 |
| 17 | | 2-Methylphenol | 0.957 | 0.969 | -1.3 | 103 | 0.00 |
| 18 | | Hexachloroethane | 0.504 | 0.501 | 0.6 | 103 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.906 | 0.835 | 7.8 | 97 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.140 | 1.148 | -0.7 | 105 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 22 | | Acetophenone | 0.396 | 0.408 | -3.0 | 105 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.298 | 0.314 | -5.4 | 103 | 0.00 |
| 24 | | Nitrobenzene | 0.322 | 0.312 | 3.1 | 106 | 0.00 |
| 25 | | Isophorone | 0.601 | 0.595 | 1.0 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.161 | 0.180 | -11.8 | 100 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.259 | 0.263 | -1.5 | 105 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.350 | 0.379 | -8.3 | 101 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.259 | 0.288 | -11.2 | 104 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.299 | 0.307 | -2.7 | 103 | 0.00 |
| 31 | | Naphthalene | 0.867 | 0.852 | 1.7 | 102 | 0.00 |
| 32 | | Benzoic acid | 0.174 | 0.125 | 28.2# | 73 | -0.01 |
| 33 | | 4-Chloroaniline | 0.360 | 0.390 | -8.3 | 102 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.186 | 0.189 | -1.6 | 103 | 0.00 |
| 35 | | Caprolactam | 0.075 | 0.077 | -2.7 | 95 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.254 | 0.261 | -2.8 | 103 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.601 | 0.614 | -2.2 | 100 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.595 | 0.600 | -0.8 | 106 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.245 | 0.248 | -1.2 | 94 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.188 | 0.179 | 4.8 | 100 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.395 | 0.384 | 2.8 | 103 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.428 | 0.439 | -2.6 | 103 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.206 | 1.284 | -6.5 | 100 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.525 | 1.417 | 7.1 | 100 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.201 | 1.182 | 1.6 | 100 | 0.00 |
| 47 | | 2-Nitroaniline | 0.330 | 0.327 | 0.9 | 101 | 0.00 |
| 48 | | Acenaphthylene | 1.870 | 1.902 | -1.7 | 103 | 0.00 |
| 49 | | Dimethylphthalate | 1.408 | 1.285 | 8.7 | 102 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.297 | 0.328 | -10.4 | 105 | 0.00 |
| 51 | C | Acenaphthene | 1.123 | 1.130 | -0.6 | 99 | 0.00 |
| 52 | | 3-Nitroaniline | 0.336 | 0.357 | -6.2 | 104 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.143 | 0.078 | 45.5# | 50 | 0.00 |
| 54 | | Dibenzofuran | 1.541 | 1.612 | -4.6 | 104 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.192 | 0.188 | 2.1 | 90 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.371 | 0.400 | -7.8 | 105 | 0.00 |
| 57 | | Fluorene | 1.266 | 1.287 | -1.7 | 103 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.350 | 0.337 | 3.7 | 103 | 0.00 |
| 59 | | Diethylphthalate | 1.313 | 1.322 | -0.7 | 104 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.580 | 0.573 | 1.2 | 104 | 0.00 |
| 61 | | 4-Nitroaniline | 0.326 | 0.347 | -6.4 | 101 | 0.00 |
| 62 | | Azobenzene | 1.285 | 1.227 | 4.5 | 101 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.112 | 0.080 | 28.6# | 64 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.599 | 0.645 | -7.7 | 108 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.200 | 0.211 | -5.5 | 107 | 0.00 |
| 67 | | Hexachlorobenzene | 0.216 | 0.213 | 1.4 | 97 | -0.01 |
| 68 | | Atrazine | 0.190 | 0.187 | 1.6 | 107 | 0.00 |
| 69 | C | Pentachlorophenol | 0.111 | 0.105 | 5.4 | 83 | 0.00 |
| 70 | | Phenanthrene | 0.980 | 1.007 | -2.8 | 108 | 0.00 |
| 71 | | Anthracene | 1.010 | 1.073 | -6.2 | 101 | 0.00 |
| 72 | | Carbazole | 0.922 | 0.901 | 2.3 | 99 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.137 | 1.163 | -2.3 | 102 | 0.00 |
| 74 | C | Fluoranthene | 1.053 | 1.101 | -4.6 | 101 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 76 | | Benzidine | 0.580 | 0.582 | -0.3 | 95 | 0.00 |
| 77 | | Pyrene | 1.187 | 1.201 | -1.2 | 102 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.755 | 0.760 | -0.7 | 100 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.542 | 0.535 | 1.3 | 102 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.041 | 1.045 | -0.4 | 102 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.395 | 0.387 | 2.0 | 98 | 0.00 |
| 82 | | Chrysene | 1.096 | 0.963 | 12.1 | 98 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.773 | 0.795 | -2.8 | 101 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.327 | 1.266 | 4.6 | 99 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.872 | 0.850 | 2.5 | 106 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.217 | 1.068 | 12.2 | 77 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.023 | 1.207 | -18.0 | 137 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.046 | 1.023 | 2.2 | 99 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.857 | 0.879 | -2.6 | 105 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.832 | 0.841 | -1.1 | 107 | 0.00 |

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