# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071316\
Data File : BF088957.D
Acq On : 13 Jul 2016 14:30
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 13 17:06:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 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 | 68 | -0.01 |
| 2 | | 1,4-Dioxane | 0.662 | 0.542 | 18.1 | 57 | -0.01 |
| 3 | | Pyridine | 1.920 | 1.573 | 18.1 | 58 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.733 | 0.629 | 14.2 | 61 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.334 | 1.331 | 0.2 | 67 | 0.00 |
| 6 | | Aniline | 2.513 | 2.175 | 13.5 | 59 | -0.01 |
| 7 | S | Phenol-d6 | 1.724 | 1.624 | 5.8 | 67 | 0.00 |
| 8 | | 2-Chlorophenol | 1.434 | 1.395 | 2.7 | 71 | -0.01 |
| 9 | | Benzaldehyde | 1.168 | 0.889 | 23.9 | 56 | -0.01 |
| 10 | C | Phenol | 1.968 | 1.915 | 2.7 | 66 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.468 | 1.409 | 4.0 | 70 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.578 | 1.599 | -1.3 | 76 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.567 | 1.567 | 0.0 | 73 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.466 | 1.376 | 6.1 | 72 | -0.01 |
| 15 | | Benzyl Alcohol | 1.269 | 1.194 | 5.9 | 63 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.125 | 1.635 | 23.1 | 53 | -0.01 |
| 17 | | 2-Methylphenol | 1.170 | 1.042 | 10.9 | 61 | -0.01 |
| 18 | | Hexachloroethane | 0.606 | 0.621 | -2.5 | 72 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.158 | 1.033 | 10.8 | 71 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.404 | 1.457 | -3.8 | 76 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 67 | -0.01 |
| 22 | | Acetophenone | 0.485 | 0.505 | -4.1 | 71 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.382 | 0.340 | 11.0 | 63 | -0.01 |
| 24 | | Nitrobenzene | 0.385 | 0.420 | -9.1 | 77 | -0.01 |
| 25 | | Isophorone | 0.707 | 0.652 | 7.8 | 65 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.158 | 0.167 | -5.7 | 77 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.329 | 0.319 | 3.0 | 64 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.460 | 0.451 | 2.0 | 72 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.266 | 0.263 | 1.1 | 71 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.291 | 0.307 | -5.5 | 71 | -0.01 |
| 31 | | Naphthalene | 0.986 | 1.095 | -11.1 | 74 | -0.01 |
| 32 | | Benzoic acid | 0.239 | 0.256 | -7.1 | 73 | 0.01 |
| 33 | | 4-Chloroaniline | 0.439 | 0.419 | 4.6 | 65 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.156 | 0.163 | -4.5 | 70 | -0.02 |
| 35 | | Caprolactam | 0.090 | 0.092 | -2.2 | 66 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.314 | 0.354 | -12.7 | 77 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.635 | 0.606 | 4.6 | 73 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 71 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.665 | 0.752 | -13.1 | 77 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.327 | 0.311 | 4.9 | 68 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.186 | 0.213 | -14.5 | 78 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.439 | 0.442 | -0.7 | 78 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.377 | 0.416 | -10.3 | 76 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.266 | 1.291 | -2.0 | 80 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.656 | 1.748 | -5.6 | 73 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.300 | 1.388 | -6.8 | 74 | -0.01 |
| 47 | | 2-Nitroaniline | 0.461 | 0.427 | 7.4 | 59 | -0.01 |
| 48 | | Acenaphthylene | 2.069 | 2.135 | -3.2 | 73 | -0.01 |
| 49 | | Dimethylphthalate | 1.425 | 1.417 | 0.6 | 77 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.316 | 0.316 | 0.0 | 76 | -0.01 |
| 51 | C | Acenaphthene | 1.268 | 1.237 | 2.4 | 72 | -0.01 |
| 52 | | 3-Nitroaniline | 0.401 | 0.432 | -7.7 | 68 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.139 | 0.190 | -36.7# | 99 | 0.00 |
| 54 | | Dibenzofuran | 1.660 | 1.716 | -3.4 | 74 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.305 | 0.326 | -6.9 | 69 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.413 | 0.399 | 3.4 | 72 | -0.01 |
| 57 | | Fluorene | 1.279 | 1.503 | -17.5 | 80 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.292 | 0.299 | -2.4 | 70 | 0.00 |
| 59 | | Diethylphthalate | 1.430 | 1.549 | -8.3 | 77 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.594 | 0.560 | 5.7 | 73 | -0.01 |
| 61 | | 4-Nitroaniline | 0.386 | 0.362 | 6.2 | 72 | -0.01 |
| 62 | | Azobenzene | 1.631 | 1.438 | 11.8 | 65 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 70 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.107 | 0.135 | -26.2# | 80 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.677 | 0.686 | -1.3 | 69 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.202 | 0.221 | -9.4 | 79 | -0.01 |
| 67 | | Hexachlorobenzene | 0.223 | 0.246 | -10.3 | 77 | 0.00 |
| 68 | | Atrazine | 0.211 | 0.197 | 6.6 | 63 | -0.01 |
| 69 | C | Pentachlorophenol | 0.132 | 0.132 | 0.0 | 66 | 0.00 |
| 70 | | Phenanthrene | 1.093 | 0.957 | 12.4 | 65 | -0.01 |
| 71 | | Anthracene | 1.087 | 1.213 | -11.6 | 78 | -0.01 |
| 72 | | Carbazole | 1.023 | 0.948 | 7.3 | 73 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.190 | 1.133 | 4.8 | 71 | -0.01 |
| 74 | C | Fluoranthene | 1.108 | 1.150 | -3.8 | 70 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 73 | -0.01 |
| 76 | | Benzidine | 1.011 | 1.221 | -20.8 | 85 | 0.00 |
| 77 | | Pyrene | 1.696 | 1.497 | 11.7 | 61 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.898 | 0.976 | -8.7 | 81 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.756 | 0.637 | 15.7 | 62 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.288 | 1.197 | 7.1 | 67 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.484 | 0.416 | 14.0 | 65 | -0.01 |
| 82 | | Chrysene | 1.274 | 1.034 | 18.8 | 60 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.864 | 0.886 | -2.5 | 71 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.467 | 1.452 | 1.0 | 69 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.980 | 0.955 | 2.6 | 74 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 64 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.255 | 1.466 | -16.8 | 79 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.092 | 0.913 | 16.4 | 54 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.062 | 1.110 | -4.5 | 67 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.887 | 1.007 | -13.5 | 74 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 0.918 | 1.028 | -12.0 | 73 | -0.01 |

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