# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088454.D
Acq On : 27 Jun 2016 14:17
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC020

Quant Time: Jun 27 19:42:19 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 27 19:14:18 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 | 66 | -0.01 |
| 2 | | 1,4-Dioxane | 0.568 | 0.559 | 1.6 | 67 | 0.00 |
| 3 | | Pyridine | 1.342 | 1.207 | 10.1 | 58 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.568 | 0.475 | 16.4 | 55 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.170 | 1.143 | 2.3 | 65 | -0.01 |
| 6 | | Aniline | 2.018 | 1.689 | 16.3 | 56 | -0.02 |
| 7 | S | Phenol-d6 | 1.418 | 1.313 | 7.4 | 64 | -0.02 |
| 8 | | 2-Chlorophenol | 1.385 | 1.394 | -0.6 | 68 | -0.01 |
| 9 | | Benzaldehyde | 0.923 | 0.483 | 47.7# | 37# | -0.01 |
| 10 | C | Phenol | 1.665 | 1.797 | -7.9 | 85 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.243 | 1.339 | -7.7 | 77 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.486 | 1.429 | 3.8 | 64 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.497 | 1.507 | -0.7 | 70 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.361 | 1.340 | 1.5 | 64 | -0.01 |
| 15 | | Benzyl Alcohol | 1.109 | 0.976 | 12.0 | 56 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.680 | 1.188 | 29.3# | 46# | -0.01 |
| 17 | | 2-Methylphenol | 1.123 | 1.047 | 6.8 | 60 | -0.02 |
| 18 | | Hexachloroethane | 0.531 | 0.512 | 3.6 | 63 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.907 | 0.933 | -2.9 | 74 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.310 | 1.305 | 0.4 | 71 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 68 | -0.01 |
| 22 | | Acetophenone | 0.447 | 0.452 | -1.1 | 70 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.343 | 0.300 | 12.5 | 58 | -0.02 |
| 24 | | Nitrobenzene | 0.332 | 0.346 | -4.2 | 76 | -0.01 |
| 25 | | Isophorone | 0.634 | 0.602 | 5.0 | 63 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.178 | 0.172 | 3.4 | 57 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.327 | 0.281 | 14.1 | 56 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.393 | 0.390 | 0.8 | 65 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.273 | 0.271 | 0.7 | 66 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.297 | 0.279 | 6.1 | 65 | -0.01 |
| 31 | | Naphthalene | 0.990 | 0.958 | 3.2 | 69 | -0.01 |
| 32 | | Benzoic acid | 0.180 | 0.018 | 90.0# | 6# | -0.07 |
| 33 | | 4-Chloroaniline | 0.442 | 0.420 | 5.0 | 60 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.157 | 0.145 | 7.6 | 60 | -0.01 |
| 35 | | Caprolactam | 0.090 | 0.082 | 8.9 | 56 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.292 | 0.286 | 2.1 | 68 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.652 | 0.594 | 8.9 | 58 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 60 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.583 | 0.564 | 3.3 | 67 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.323 | 0.052 | 83.9# | 10# | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.211 | 0.165 | 21.8 | 46# | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.400 | 0.354 | 11.5 | 52 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.416 | 0.377 | 9.4 | 56 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.502 | 1.318 | 12.3 | 64 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.613 | 1.541 | 4.5 | 62 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.294 | 1.279 | 1.2 | 64 | -0.01 |
| 47 | | 2-Nitroaniline | 0.382 | 0.369 | 3.4 | 54 | -0.01 |
| 48 | | Acenaphthylene | 2.059 | 2.047 | 0.6 | 61 | -0.01 |
| 49 | | Dimethylphthalate | 1.449 | 1.534 | -5.9 | 70 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.332 | 0.338 | -1.8 | 68 | -0.01 |
| 51 | C | Acenaphthene | 1.284 | 1.213 | 5.5 | 57 | -0.01 |
| 52 | | 3-Nitroaniline | 0.383 | 0.403 | -5.2 | 61 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.122 | 0.017# | 86.1# | 6# | 0.07 |
| 54 | | Dibenzofuran | 1.769 | 1.774 | -0.3 | 59 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.297 | 0.096 | 67.7# | 17# | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.426 | 0.458 | -7.5 | 70 | -0.01 |
| 57 | | Fluorene | 1.378 | 1.423 | -3.3 | 69 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.327 | 0.265 | 19.0 | 46# | 0.00 |
| 59 | | Diethylphthalate | 1.466 | 1.371 | 6.5 | 59 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.588 | 0.551 | 6.3 | 62 | -0.01 |
| 61 | | 4-Nitroaniline | 0.363 | 0.387 | -6.6 | 59 | -0.02 |
| 62 | | Azobenzene | 1.450 | 1.392 | 4.0 | 57 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 62 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.108 | 0.035 | 67.6# | 15# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.664 | 0.654 | 1.5 | 60 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.215 | 0.219 | -1.9 | 60 | -0.01 |
| 67 | | Hexachlorobenzene | 0.223 | 0.207 | 7.2 | 62 | -0.01 |
| 68 | | Atrazine | 0.201 | 0.178 | 11.4 | 50# | -0.01 |
| 69 | C | Pentachlorophenol | 0.118 | 0.032 | 72.9# | 15# | 0.00 |
| 70 | | Phenanthrene | 1.049 | 0.991 | 5.5 | 65 | -0.01 |
| 71 | | Anthracene | 1.059 | 1.180 | -11.4 | 65 | -0.01 |
| 72 | | Carbazole | 0.991 | 1.025 | -3.4 | 70 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.254 | 1.130 | 9.9 | 55 | -0.01 |
| 74 | C | Fluoranthene | 1.108 | 1.087 | 1.9 | 59 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 59 | -0.01 |
| 76 | | Benzidine | 0.554 | 0.439 | 20.8 | 46# | -0.01 |
| 77 | | Pyrene | 1.484 | 1.416 | 4.6 | 57 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.879 | 0.831 | 5.5 | 58 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.656 | 0.666 | -1.5 | 57 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.140 | 1.070 | 6.1 | 60 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.306 | 0.395 | -29.1# | 71 | -0.01 |
| 82 | | Chrysene | 1.072 | 1.140 | -6.3 | 67 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.799 | 0.771 | 3.5 | 58 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.298 | 1.405 | -8.2 | 64 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.996 | 0.948 | 4.8 | 56 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 60 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.394 | 1.366 | 2.0 | 55 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.052 | 1.047 | 0.5 | 73 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.128 | 1.133 | -0.4 | 59 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.047 | 0.992 | 5.3 | 57 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.078 | 1.023 | 5.1 | 56 | -0.01 |

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