# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062316\
Data File : BF088313.D
Acq On : 24 Jun 2016 3:01
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 24 04:50:47 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 01:47:17 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 | 75 | -0.01 |
| 2 | | 1,4-Dioxane | 0.568 | 0.507 | 10.7 | 68 | -0.01 |
| 3 | | Pyridine | 1.342 | 1.219 | 9.2 | 66 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.568 | 0.491 | 13.6 | 65 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.170 | 1.156 | 1.2 | 75 | 0.01 |
| 6 | | Aniline | 2.018 | 1.742 | 13.7 | 65 | -0.01 |
| 7 | S | Phenol-d6 | 1.418 | 1.322 | 6.8 | 73 | 0.01 |
| 8 | | 2-Chlorophenol | 1.385 | 1.388 | -0.2 | 77 | 0.00 |
| 9 | | Benzaldehyde | 0.923 | 0.882 | 4.4 | 76 | 0.00 |
| 10 | C | Phenol | 1.665 | 1.737 | -4.3 | 93 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.243 | 1.327 | -6.8 | 86 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.486 | 1.449 | 2.5 | 73 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.497 | 1.514 | -1.1 | 80 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.361 | 1.306 | 4.0 | 71 | -0.01 |
| 15 | | Benzyl Alcohol | 1.109 | 1.017 | 8.3 | 66 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.680 | 1.304 | 22.4 | 58 | -0.01 |
| 17 | | 2-Methylphenol | 1.123 | 1.024 | 8.8 | 67 | 0.00 |
| 18 | | Hexachloroethane | 0.531 | 0.497 | 6.4 | 70 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.907 | 0.856 | 5.6 | 77 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.310 | 1.366 | -4.3 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 75 | -0.01 |
| 22 | | Acetophenone | 0.447 | 0.478 | -6.9 | 82 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.343 | 0.316 | 7.9 | 68 | 0.00 |
| 24 | | Nitrobenzene | 0.332 | 0.337 | -1.5 | 83 | 0.00 |
| 25 | | Isophorone | 0.634 | 0.605 | 4.6 | 70 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.178 | 0.186 | -4.5 | 68 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.327 | 0.286 | 12.5 | 63 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.393 | 0.392 | 0.3 | 73 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.273 | 0.278 | -1.8 | 75 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.297 | 0.280 | 5.7 | 73 | -0.01 |
| 31 | | Naphthalene | 0.990 | 0.970 | 2.0 | 78 | -0.01 |
| 32 | | Benzoic acid | 0.180 | 0.157 | 12.8 | 56 | 0.01 |
| 33 | | 4-Chloroaniline | 0.442 | 0.414 | 6.3 | 65 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.157 | 0.147 | 6.4 | 68 | -0.01 |
| 35 | | Caprolactam | 0.090 | 0.085 | 5.6 | 64 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.292 | 0.287 | 1.7 | 75 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.652 | 0.592 | 9.2 | 64 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 66 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.583 | 0.603 | -3.4 | 79 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.323 | 0.136 | 57.9# | 28# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.211 | 0.170 | 19.4 | 52 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.400 | 0.379 | 5.3 | 62 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.416 | 0.392 | 5.8 | 65 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.502 | 1.303 | 13.2 | 69 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.613 | 1.604 | 0.6 | 71 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.294 | 1.269 | 1.9 | 70 | -0.01 |
| 47 | | 2-Nitroaniline | 0.382 | 0.376 | 1.6 | 60 | 0.00 |
| 48 | | Acenaphthylene | 2.059 | 1.941 | 5.7 | 64 | -0.01 |
| 49 | | Dimethylphthalate | 1.449 | 1.523 | -5.1 | 77 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.332 | 0.339 | -2.1 | 75 | -0.01 |
| 51 | C | Acenaphthene | 1.284 | 1.195 | 6.9 | 62 | -0.01 |
| 52 | | 3-Nitroaniline | 0.383 | 0.355 | 7.3 | 59 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.122 | 0.114 | 6.6 | 45# | -0.01 |
| 54 | | Dibenzofuran | 1.769 | 1.670 | 5.6 | 61 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.297 | 0.380 | -27.9# | 75 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.426 | 0.394 | 7.5 | 66 | 0.00 |
| 57 | | Fluorene | 1.378 | 1.292 | 6.2 | 69 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.327 | 0.298 | 8.9 | 57 | -0.01 |
| 59 | | Diethylphthalate | 1.466 | 1.446 | 1.4 | 68 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.588 | 0.521 | 11.4 | 64 | -0.01 |
| 61 | | 4-Nitroaniline | 0.363 | 0.342 | 5.8 | 57 | 0.00 |
| 62 | | Azobenzene | 1.450 | 1.317 | 9.2 | 60 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 61 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.108 | 0.079 | 26.9# | 34# | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.664 | 0.679 | -2.3 | 61 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.215 | 0.223 | -3.7 | 61 | -0.01 |
| 67 | | Hexachlorobenzene | 0.223 | 0.215 | 3.6 | 64 | -0.01 |
| 68 | | Atrazine | 0.201 | 0.210 | -4.5 | 58 | -0.01 |
| 69 | C | Pentachlorophenol | 0.118 | 0.125 | -5.9 | 57 | -0.01 |
| 70 | | Phenanthrene | 1.049 | 1.019 | 2.9 | 66 | -0.01 |
| 71 | | Anthracene | 1.059 | 1.088 | -2.7 | 60 | -0.01 |
| 72 | | Carbazole | 0.991 | 0.952 | 3.9 | 64 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.254 | 1.280 | -2.1 | 61 | -0.01 |
| 74 | C | Fluoranthene | 1.108 | 0.908 | 18.1 | 49# | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 51 | -0.01 |
| 76 | | Benzidine | 0.554 | 0.518 | 6.5 | 48# | -0.01 |
| 77 | | Pyrene | 1.484 | 1.436 | 3.2 | 50 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.879 | 0.821 | 6.6 | 50# | -0.01 |
| 79 | | Butylbenzylphthalate | 0.656 | 0.725 | -10.5 | 54 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.140 | 1.119 | 1.8 | 55 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.306 | 0.361 | -18.0 | 56 | -0.01 |
| 82 | | Chrysene | 1.072 | 1.184 | -10.4 | 60 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.799 | 0.875 | -9.5 | 57 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.298 | 1.558 | -20.0# | 62 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.996 | 1.099 | -10.3 | 57 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 69 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.394 | 1.523 | -9.3 | 71 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.052 | 0.718 | 31.7# | 58 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.128 | 1.095 | 2.9 | 66 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.047 | 0.878 | 16.1 | 58 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 1.078 | 0.869 | 19.4 | 55 | -0.02 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1