# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG042415\
Data File : BG016685.D
Acq On : 24 Apr 2015 16:11
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Apr 24 23:06:25 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 19:19:11 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 | 86 | 0.00 |
| 2 | | 1,4-Dioxane | 0.534 | 0.575 | -7.7 | 86 | 0.00 |
| 3 | | Pyridine | 1.516 | 1.645 | -8.5 | 87 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.447 | 0.464 | -3.8 | 86 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.232 | 1.311 | -6.4 | 86 | 0.00 |
| 6 | | Aniline | 2.371 | 2.487 | -4.9 | 83 | 0.00 |
| 7 | S | Phenol-d6 | 1.729 | 1.804 | -4.3 | 83 | -0.01 |
| 8 | | 2-Chlorophenol | 1.523 | 1.571 | -3.2 | 84 | 0.00 |
| 9 | | Benzaldehyde | 0.706 | 0.665 | 5.8 | 86 | 0.00 |
| 10 | C | Phenol | 1.823 | 1.889 | -3.6 | 84 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.423 | 1.417 | 0.4 | 82 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.575 | 1.636 | -3.9 | 85 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.610 | 1.671 | -3.8 | 85 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.537 | 1.584 | -3.1 | 85 | 0.00 |
| 15 | | Benzyl Alcohol | 1.085 | 1.167 | -7.6 | 83 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.332 | 1.351 | -1.4 | 83 | 0.00 |
| 17 | | 2-Methylphenol | 1.219 | 1.275 | -4.6 | 82 | 0.00 |
| 18 | | Hexachloroethane | 0.568 | 0.599 | -5.5 | 87 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.078 | 1.125 | -4.4 | 81 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.713 | 1.798 | -5.0 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 22 | | Acetophenone | 0.439 | 0.471 | -7.3 | 83 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.317 | 0.334 | -5.4 | 80 | -0.01 |
| 24 | | Nitrobenzene | 0.332 | 0.349 | -5.1 | 81 | 0.00 |
| 25 | | Isophorone | 0.656 | 0.744 | -13.4 | 85 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.193 | 0.214 | -10.9 | 84 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.322 | 0.348 | -8.1 | 83 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.396 | 0.417 | -5.3 | 82 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.302 | -10.2 | 83 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.290 | 0.306 | -5.5 | 83 | 0.00 |
| 31 | | Naphthalene | 1.055 | 1.097 | -4.0 | 82 | 0.00 |
| 32 | | Benzoic acid | 0.151 | 0.144 | 4.6 | 70 | -0.02 |
| 33 | | 4-Chloroaniline | 0.486 | 0.526 | -8.2 | 82 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.130 | 0.136 | -4.6 | 83 | 0.00 |
| 35 | | Caprolactam | 0.148 | 0.195 | -31.8# | 94 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.318 | 0.353 | -11.0 | 83 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.762 | 0.797 | -4.6 | 81 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.476 | 0.501 | -5.3 | 82 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.153 | 0.139 | 9.2 | 69 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.148 | 0.166 | -12.2 | 84 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.348 | 0.383 | -10.1 | 81 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.368 | 0.403 | -9.5 | 83 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.245 | 1.295 | -4.0 | 81 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.571 | 1.617 | -2.9 | 80 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.207 | 1.242 | -2.9 | 81 | 0.00 |
| 47 | | 2-Nitroaniline | 0.329 | 0.355 | -7.9 | 79 | 0.00 |
| 48 | | Acenaphthylene | 2.115 | 2.246 | -6.2 | 82 | 0.00 |
| 49 | | Dimethylphthalate | 1.496 | 1.632 | -9.1 | 85 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.367 | 0.400 | -9.0 | 82 | 0.00 |
| 51 | C | Acenaphthene | 1.269 | 1.315 | -3.6 | 81 | 0.00 |
| 52 | | 3-Nitroaniline | 0.444 | 0.489 | -10.1 | 80 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.164 | 0.156 | 4.9 | 69 | 0.00 |
| 54 | | Dibenzofuran | 1.790 | 1.858 | -3.8 | 81 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.333 | 0.356 | -6.9 | 81 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.503 | 0.561 | -11.5 | 81 | 0.00 |
| 57 | | Fluorene | 1.565 | 1.647 | -5.2 | 82 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.279 | 0.299 | -7.2 | 81 | 0.00 |
| 59 | | Diethylphthalate | 1.559 | 1.747 | -12.1 | 86 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.654 | 0.670 | -2.4 | 80 | 0.00 |
| 61 | | 4-Nitroaniline | 0.491 | 0.559 | -13.8 | 82 | 0.00 |
| 62 | | Azobenzene | 1.424 | 1.500 | -5.3 | 81 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.135 | 0.143 | -5.9 | 81 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.686 | 0.715 | -4.2 | 83 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.167 | 0.171 | -2.4 | 81 | 0.00 |
| 67 | | Hexachlorobenzene | 0.172 | 0.179 | -4.1 | 84 | 0.00 |
| 68 | | Atrazine | 0.184 | 0.213 | -15.8 | 90 | 0.00 |
| 69 | C | Pentachlorophenol | 0.083 | 0.085 | -2.4 | 77 | 0.00 |
| 70 | | Phenanthrene | 1.149 | 1.193 | -3.8 | 83 | 0.00 |
| 71 | | Anthracene | 1.143 | 1.220 | -6.7 | 84 | 0.00 |
| 72 | | Carbazole | 1.145 | 1.262 | -10.2 | 87 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.365 | 1.584 | -16.0 | 89 | 0.00 |
| 74 | C | Fluoranthene | 1.217 | 1.371 | -12.7 | 89 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 76 | | Benzidine | 0.681 | 0.658 | 3.4 | 93 | 0.00 |
| 77 | | Pyrene | 1.405 | 1.388 | 1.2 | 91 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.868 | 0.877 | -1.0 | 93 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.691 | 0.759 | -9.8 | 96 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.213 | 1.253 | -3.3 | 95 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.395 | 0.433 | -9.6 | 99 | 0.00 |
| 82 | | Chrysene | 1.163 | 1.207 | -3.8 | 96 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.940 | 1.062 | -13.0 | 99 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.566 | 1.794 | -14.6 | 99 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.267 | 1.339 | -5.7 | 97 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.215 | 1.262 | -3.9 | 99 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.186 | 1.185 | 0.1 | 93 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.145 | 1.169 | -2.1 | 96 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.113 | 1.132 | -1.7 | 95 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.133 | 1.155 | -1.9 | 96 | 0.00 |

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