# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG-FEB-2016\BG022616\
Data File : BG021081.D
Acq On : 26 Feb 2016 16:30
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG022616

Quant Time: Feb 26 17:14:34 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 26 16:39:44 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 | 86 | 0.00 |
| 2 | | 1,4-Dioxane | 0.529 | 0.510 | 3.6 | 81 | 0.00 |
| 3 | | Pyridine | 1.547 | 1.613 | -4.3 | 86 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.784 | 0.778 | 0.8 | 80 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.142 | 1.174 | -2.8 | 85 | 0.00 |
| 6 | | Aniline | 2.103 | 2.265 | -7.7 | 86 | 0.00 |
| 7 | S | Phenol-d6 | 1.700 | 1.727 | -1.6 | 83 | 0.00 |
| 8 | | 2-Chlorophenol | 1.425 | 1.457 | -2.2 | 84 | 0.00 |
| 9 | | Benzaldehyde | 0.921 | 1.041 | -13.0 | 95 | 0.00 |
| 10 | C | Phenol | 1.741 | 1.839 | -5.6 | 86 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.335 | 1.316 | 1.4 | 82 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.516 | 1.560 | -2.9 | 85 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.620 | 1.579 | 2.5 | 83 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.534 | 1.508 | 1.7 | 81 | 0.00 |
| 15 | | Benzyl Alcohol | 1.485 | 1.655 | -11.4 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.530 | 1.498 | 2.1 | 83 | 0.00 |
| 17 | | 2-Methylphenol | 1.229 | 1.298 | -5.6 | 85 | 0.00 |
| 18 | | Hexachloroethane | 0.613 | 0.616 | -0.5 | 82 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.311 | 1.392 | -6.2 | 84 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.704 | 1.781 | -4.5 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 22 | | Acetophenone | 0.552 | 0.561 | -1.6 | 81 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.420 | 0.438 | -4.3 | 84 | 0.00 |
| 24 | | Nitrobenzene | 0.434 | 0.442 | -1.8 | 80 | 0.00 |
| 25 | | Isophorone | 0.787 | 0.813 | -3.3 | 82 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.183 | 0.194 | -6.0 | 84 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.323 | 0.330 | -2.2 | 82 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.383 | 0.416 | -8.6 | 88 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.317 | 0.331 | -4.4 | 86 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.359 | 0.350 | 2.5 | 78 | 0.00 |
| 31 | | Naphthalene | 1.027 | 1.040 | -1.3 | 82 | 0.00 |
| 32 | | Benzoic acid | 0.297 | 0.259 | 12.8 | 67 | -0.03 |
| 33 | | 4-Chloroaniline | 0.429 | 0.460 | -7.2 | 86 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.240 | 0.254 | -5.8 | 82 | 0.00 |
| 35 | | Caprolactam | 0.107 | 0.111 | -3.7 | 82 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.388 | 0.392 | -1.0 | 80 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.721 | 0.777 | -7.8 | 87 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.739 | 0.737 | 0.3 | 80 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.486 | 0.523 | -7.6 | 85 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.262 | 0.259 | 1.1 | 77 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.463 | 0.484 | -4.5 | 82 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.476 | 0.508 | -6.7 | 82 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.563 | 1.544 | 1.2 | 81 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.684 | 1.637 | 2.8 | 80 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.278 | 1.295 | -1.3 | 83 | 0.00 |
| 47 | | 2-Nitroaniline | 0.414 | 0.446 | -7.7 | 85 | 0.00 |
| 48 | | Acenaphthylene | 2.022 | 2.031 | -0.4 | 83 | 0.00 |
| 49 | | Dimethylphthalate | 1.724 | 1.696 | 1.6 | 81 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.355 | 0.369 | -3.9 | 83 | 0.00 |
| 51 | C | Acenaphthene | 1.379 | 1.393 | -1.0 | 81 | 0.00 |
| 52 | | 3-Nitroaniline | 0.345 | 0.372 | -7.8 | 86 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.247 | 0.250 | -1.2 | 78 | 0.00 |
| 54 | | Dibenzofuran | 1.747 | 1.950 | -11.6 | 91 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.306 | 0.311 | -1.6 | 83 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.509 | 0.529 | -3.9 | 82 | 0.00 |
| 57 | | Fluorene | 1.700 | 1.669 | 1.8 | 80 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.414 | 0.470 | -13.5 | 90 | 0.00 |
| 59 | | Diethylphthalate | 1.817 | 1.793 | 1.3 | 81 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.935 | 0.900 | 3.7 | 78 | 0.00 |
| 61 | | 4-Nitroaniline | 0.393 | 0.413 | -5.1 | 86 | 0.00 |
| 62 | | Azobenzene | 1.574 | 1.749 | -11.1 | 91 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.147 | 0.143 | 2.7 | 77 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.590 | 0.617 | -4.6 | 85 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.235 | 0.237 | -0.9 | 80 | 0.00 |
| 67 | | Hexachlorobenzene | 0.248 | 0.249 | -0.4 | 81 | 0.00 |
| 68 | | Atrazine | 0.219 | 0.204 | 6.8 | 73 | 0.00 |
| 69 | C | Pentachlorophenol | 0.168 | 0.163 | 3.0 | 77 | 0.00 |
| 70 | | Phenanthrene | 1.076 | 1.125 | -4.6 | 85 | 0.00 |
| 71 | | Anthracene | 1.084 | 1.112 | -2.6 | 83 | 0.00 |
| 72 | | Carbazole | 0.936 | 0.985 | -5.2 | 85 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.233 | 1.251 | -1.5 | 80 | 0.00 |
| 74 | C | Fluoranthene | 1.350 | 1.361 | -0.8 | 82 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 76 | | Benzidine | 0.526 | 0.518 | 1.5 | 74 | 0.00 |
| 77 | | Pyrene | 1.107 | 1.159 | -4.7 | 82 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.856 | 0.897 | -4.8 | 81 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.462 | 0.489 | -5.8 | 80 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.151 | 1.187 | -3.1 | 80 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.450 | 0.470 | -4.4 | 78 | 0.00 |
| 82 | | Chrysene | 1.108 | 1.079 | 2.6 | 77 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.714 | 0.733 | -2.7 | 77 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.196 | 1.245 | -4.1 | 78 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.336 | 1.282 | 4.0 | 74 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.250 | 1.362 | -9.0 | 81 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.232 | 1.296 | -5.2 | 80 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.200 | 1.286 | -7.2 | 80 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.210 | 1.213 | -0.2 | 75 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.165 | 1.155 | 0.9 | 74 | 0.00 |

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