# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG042017\
Data File : BG026678.D
Acq On : 20 Apr 2017 16:50
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 21 04:02:19 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 18:04:39 2017
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 | 117 | -0.02 |
| 2 | | 1,4-Dioxane | 0.575 | 0.540 | 6.1 | 113 | -0.02 |
| 3 | | Pyridine | 1.288 | 1.122 | 12.9 | 103 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.375 | 0.360 | 4.0 | 116 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.100 | 1.082 | 1.6 | 119 | 0.00 |
| 6 | | Aniline | 1.800 | 1.504 | 16.4 | 96 | -0.02 |
| 7 | S | Phenol-d6 | 1.442 | 1.480 | -2.6 | 121 | 0.02 |
| 8 | | 2-Chlorophenol | 1.313 | 1.321 | -0.6 | 120 | 0.00 |
| 9 | | Benzaldehyde | 0.977 | 0.969 | 0.8 | 118 | -0.02 |
| 10 | C | Phenol | 1.568 | 1.614 | -2.9 | 122 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.249 | 1.227 | 1.8 | 118 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.547 | 1.514 | 2.1 | 119 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.572 | 1.508 | 4.1 | 116 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.485 | 1.447 | 2.6 | 118 | -0.02 |
| 15 | | Benzyl Alcohol | 0.902 | 0.957 | -6.1 | 127 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.208 | 1.152 | 4.6 | 116 | 0.00 |
| 17 | | 2-Methylphenol | 1.099 | 1.145 | -4.2 | 124 | 0.00 |
| 18 | | Hexachloroethane | 0.496 | 0.473 | 4.6 | 116 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.894 | 0.896 | -0.2 | 121 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.510 | 1.578 | -4.5 | 122 | 0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 122 | -0.02 |
| 22 | | Acetophenone | 0.457 | 0.447 | 2.2 | 121 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.287 | 0.282 | 1.7 | 121 | -0.01 |
| 24 | | Nitrobenzene | 0.304 | 0.298 | 2.0 | 120 | -0.01 |
| 25 | | Isophorone | 0.588 | 0.574 | 2.4 | 120 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.184 | 0.189 | -2.7 | 126 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.297 | 0.300 | -1.0 | 123 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.384 | 0.380 | 1.0 | 122 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.310 | 0.323 | -4.2 | 128 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.346 | 0.336 | 2.9 | 121 | -0.02 |
| 31 | | Naphthalene | 0.982 | 0.948 | 3.5 | 120 | -0.02 |
| 32 | | Benzoic acid | 0.177 | 0.206 | -16.4 | 133 | 0.03 |
| 33 | | 4-Chloroaniline | 0.421 | 0.388 | 7.8 | 111 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.198 | 0.192 | 3.0 | 120 | -0.02 |
| 35 | | Caprolactam | 0.121 | 0.112 | 7.4 | 111 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.313 | 0.324 | -3.5 | 127 | 0.01 |
| 37 | | 2-Methylnaphthalene | 0.755 | 0.749 | 0.8 | 123 | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 124 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.616 | 0.608 | 1.3 | 125 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 0.311 | 0.292 | 6.1 | 114 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.279 | 0.259 | 7.2 | 119 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.439 | 0.445 | -1.4 | 126 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.464 | 0.473 | -1.9 | 127 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.343 | 1.263 | 6.0 | 121 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.625 | 1.566 | 3.6 | 123 | -0.02 |
| 46 | | 2-Chloronaphthalene | 1.232 | 1.188 | 3.6 | 122 | -0.02 |
| 47 | | 2-Nitroaniline | 0.315 | 0.312 | 1.0 | 119 | 0.00 |
| 48 | | Acenaphthylene | 1.981 | 1.923 | 2.9 | 122 | -0.02 |
| 49 | | Dimethylphthalate | 1.583 | 1.510 | 4.6 | 120 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.370 | 0.371 | -0.3 | 122 | 0.00 |
| 51 | C | Acenaphthene | 1.260 | 1.213 | 3.7 | 122 | -0.02 |
| 52 | | 3-Nitroaniline | 0.404 | 0.377 | 6.7 | 114 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.174 | 0.186 | -6.9 | 128 | 0.00 |
| 54 | | Dibenzofuran | 1.965 | 1.869 | 4.9 | 121 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.341 | 0.337 | 1.2 | 120 | 0.03 |
| 56 | | 2,4-Dinitrotoluene | 0.526 | 0.514 | 2.3 | 118 | -0.01 |
| 57 | | Fluorene | 1.618 | 1.536 | 5.1 | 120 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.472 | 0.430 | 8.9 | 119 | 0.00 |
| 59 | | Diethylphthalate | 1.610 | 1.494 | 7.2 | 117 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.807 | 0.792 | 1.9 | 122 | -0.02 |
| 61 | | 4-Nitroaniline | 0.431 | 0.374 | 13.2 | 105 | 0.00 |
| 62 | | Azobenzene | 1.242 | 1.193 | 3.9 | 119 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 115 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.135 | 0.134 | 0.7 | 113 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.577 | 0.587 | -1.7 | 119 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.219 | 0.226 | -3.2 | 122 | -0.01 |
| 67 | | Hexachlorobenzene | 0.240 | 0.242 | -0.8 | 118 | -0.01 |
| 68 | | Atrazine | 0.226 | 0.209 | 7.5 | 108 | 0.00 |
| 69 | C | Pentachlorophenol | 0.145 | 0.127 | 12.4 | 99 | 0.00 |
| 70 | | Phenanthrene | 1.030 | 0.966 | 6.2 | 111 | -0.01 |
| 71 | | Anthracene | 1.064 | 1.004 | 5.6 | 111 | -0.01 |
| 72 | | Carbazole | 1.019 | 0.865 | 15.1 | 100 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.143 | 1.008 | 11.8 | 105 | -0.01 |
| 74 | C | Fluoranthene | 1.194 | 1.017 | 14.8 | 99 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 99 | -0.02 |
| 76 | | Benzidine | 0.497 | 0.099 | 80.1# | 18# | 0.00 |
| 77 | | Pyrene | 1.077 | 1.051 | 2.4 | 99 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.677 | 0.641 | 5.3 | 98 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.463 | 0.447 | 3.5 | 97 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.080 | 1.054 | 2.4 | 100 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.448 | 0.437 | 2.5 | 98 | -0.01 |
| 82 | | Chrysene | 0.994 | 0.966 | 2.8 | 99 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.668 | 0.642 | 3.9 | 98 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.115 | 1.100 | 1.3 | 99 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.363 | 1.343 | 1.5 | 99 | -0.05 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 100 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.145 | 1.090 | 4.8 | 96 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.104 | 1.109 | -0.5 | 103 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.106 | 1.078 | 2.5 | 99 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 1.136 | 1.141 | -0.4 | 100 | -0.05 |
| 91 | Benzo(g,h,i)perylene | 1.136 | 1.117 | 1.7 | 100 | -0.05 |

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