# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG021015.D
Acq On : 20 Feb 2016 19:11
Operator : SJ/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 21 22:55:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 15:26:53 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 | 127 | 0.00 |
| 2 | | 1,4-Dioxane | 0.432 | 0.370 | 14.4 | 111 | -0.02 |
| 3 | | Pyridine | 1.277 | 1.162 | 9.0 | 111 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.334 | 0.300 | 10.2 | 111 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.188 | 1.139 | 4.1 | 120 | 0.00 |
| 6 | | Aniline | 2.164 | 2.102 | 2.9 | 121 | 0.00 |
| 7 | S | Phenol-d6 | 1.736 | 1.752 | -0.9 | 126 | 0.00 |
| 8 | | 2-Chlorophenol | 1.484 | 1.497 | -0.9 | 127 | 0.00 |
| 9 | | Benzaldehyde | 0.869 | 0.793 | 8.7 | 114 | 0.00 |
| 10 | C | Phenol | 1.837 | 1.809 | 1.5 | 124 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.467 | 1.394 | 5.0 | 117 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.569 | 1.559 | 0.6 | 126 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.590 | 1.609 | -1.2 | 127 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.547 | 1.575 | -1.8 | 127 | 0.00 |
| 15 | | Benzyl Alcohol | 1.094 | 1.068 | 2.4 | 122 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.530 | 1.402 | 8.4 | 115 | 0.00 |
| 17 | | 2-Methylphenol | 1.323 | 1.342 | -1.4 | 127 | 0.00 |
| 18 | | Hexachloroethane | 0.547 | 0.559 | -2.2 | 128 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.120 | 1.071 | 4.4 | 121 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.844 | 1.887 | -2.3 | 130 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 131 | 0.00 |
| 22 | | Acetophenone | 0.482 | 0.456 | 5.4 | 122 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.304 | 0.290 | 4.6 | 123 | 0.00 |
| 24 | | Nitrobenzene | 0.317 | 0.302 | 4.7 | 125 | 0.00 |
| 25 | | Isophorone | 0.641 | 0.609 | 5.0 | 122 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.167 | 0.179 | -7.2 | 133 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.320 | 0.307 | 4.1 | 122 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.395 | 0.378 | 4.3 | 124 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.300 | -4.5 | 137 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.289 | 0.302 | -4.5 | 136 | 0.00 |
| 31 | | Naphthalene | 1.035 | 1.031 | 0.4 | 130 | 0.00 |
| 32 | | Benzoic acid | 0.256 | 0.258 | -0.8 | 133 | 0.00 |
| 33 | | 4-Chloroaniline | 0.445 | 0.446 | -0.2 | 131 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.147 | 0.155 | -5.4 | 137 | -0.02 |
| 35 | | Caprolactam | 0.110 | 0.109 | 0.9 | 130 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.328 | 0.327 | 0.3 | 131 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.726 | 0.742 | -2.2 | 134 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 132 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.587 | 0.613 | -4.4 | 136 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.258 | 0.184 | 28.7# | 90 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.197 | 0.208 | -5.6 | 139 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.394 | 0.425 | -7.9 | 137 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.414 | 0.435 | -5.1 | 136 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.424 | 1.451 | -1.9 | 132 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.764 | 1.782 | -1.0 | 132 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.263 | 1.293 | -2.4 | 135 | 0.00 |
| 47 | | 2-Nitroaniline | 0.303 | 0.296 | 2.3 | 127 | 0.00 |
| 48 | | Acenaphthylene | 2.196 | 2.212 | -0.7 | 132 | 0.00 |
| 49 | | Dimethylphthalate | 1.564 | 1.568 | -0.3 | 131 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.335 | 0.344 | -2.7 | 133 | 0.00 |
| 51 | C | Acenaphthene | 1.332 | 1.340 | -0.6 | 132 | 0.00 |
| 52 | | 3-Nitroaniline | 0.389 | 0.391 | -0.5 | 130 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.116 | 0.112 | 3.4 | 126 | 0.00 |
| 54 | | Dibenzofuran | 1.762 | 1.766 | -0.2 | 133 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.294 | 0.300 | -2.0 | 129 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.433 | 0.456 | -5.3 | 134 | 0.00 |
| 57 | | Fluorene | 1.622 | 1.608 | 0.9 | 131 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.316 | 0.323 | -2.2 | 134 | 0.00 |
| 59 | | Diethylphthalate | 1.608 | 1.580 | 1.7 | 130 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.720 | 0.721 | -0.1 | 135 | 0.00 |
| 61 | | 4-Nitroaniline | 0.391 | 0.384 | 1.8 | 127 | 0.00 |
| 62 | | Azobenzene | 1.264 | 1.179 | 6.7 | 123 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 128 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.094 | 0.098 | -4.3 | 131 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.646 | 0.678 | -5.0 | 131 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.211 | 0.224 | -6.2 | 133 | -0.02 |
| 67 | | Hexachlorobenzene | 0.225 | 0.239 | -6.2 | 135 | 0.00 |
| 68 | | Atrazine | 0.196 | 0.203 | -3.6 | 132 | 0.00 |
| 69 | C | Pentachlorophenol | 0.129 | 0.138 | -7.0 | 135 | 0.00 |
| 70 | | Phenanthrene | 1.139 | 1.148 | -0.8 | 128 | 0.00 |
| 71 | | Anthracene | 1.156 | 1.169 | -1.1 | 128 | 0.00 |
| 72 | | Carbazole | 1.037 | 1.052 | -1.4 | 128 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.330 | 1.352 | -1.7 | 128 | -0.02 |
| 74 | C | Fluoranthene | 1.230 | 1.232 | -0.2 | 127 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 122 | -0.02 |
| 76 | | Benzidine | 0.647 | 0.606 | 6.3 | 110 | 0.00 |
| 77 | | Pyrene | 1.319 | 1.377 | -4.4 | 127 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.857 | 0.898 | -4.8 | 127 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.632 | 0.655 | -3.6 | 124 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.194 | 1.209 | -1.3 | 124 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.443 | 0.455 | -2.7 | 124 | 0.00 |
| 82 | | Chrysene | 1.123 | 1.143 | -1.8 | 124 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.936 | 0.959 | -2.5 | 123 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.537 | 1.595 | -3.8 | 124 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.291 | 1.358 | -5.2 | 127 | -0.04 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 126 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 1.224 | 1.226 | -0.2 | 125 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.199 | 1.193 | 0.5 | 125 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.166 | 1.178 | -1.0 | 126 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 1.134 | 1.160 | -2.3 | 128 | -0.04 |
| 91 | Benzo(g,h,i)perylene | 1.126 | 1.114 | 1.1 | 124 | -0.04 |

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