# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061316\
Data File : BG022321.D
Acq On : 13 Jun 2016 11:59
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 14 00:44:13 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 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 | 125 | 0.00 |
| 2 | | 1,4-Dioxane | 0.496 | 0.482 | 2.8 | 132 | 0.00 |
| 3 | | Pyridine | 1.340 | 1.446 | -7.9 | 133 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.300 | 0.364 | -21.3 | 146 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.034 | 1.149 | -11.1 | 134 | 0.00 |
| 6 | | Aniline | 2.066 | 2.447 | -18.4 | 139 | 0.00 |
| 7 | S | Phenol-d6 | 1.626 | 1.883 | -15.8 | 138 | 0.00 |
| 8 | | 2-Chlorophenol | 1.430 | 1.534 | -7.3 | 131 | 0.00 |
| 9 | | Benzaldehyde | 0.895 | 0.977 | -9.2 | 128 | 0.00 |
| 10 | C | Phenol | 1.677 | 1.951 | -16.3 | 140 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.337 | 1.521 | -13.8 | 138 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.533 | 1.492 | 2.7 | 122 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.527 | 1.523 | 0.3 | 124 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.539 | 1.547 | -0.5 | 127 | 0.00 |
| 15 | | Benzyl Alcohol | 1.051 | 1.316 | -25.2# | 154# | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.387 | 1.679 | -21.1 | 152# | 0.00 |
| 17 | | 2-Methylphenol | 1.251 | 1.431 | -14.4 | 143 | 0.00 |
| 18 | | Hexachloroethane | 0.558 | 0.559 | -0.2 | 127 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.101 | 1.387 | -26.0# | 149 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.795 | 2.073 | -15.5 | 143 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 133 | 0.00 |
| 22 | | Acetophenone | 0.431 | 0.464 | -7.7 | 139 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.287 | 0.322 | -12.2 | 144 | 0.00 |
| 24 | | Nitrobenzene | 0.288 | 0.316 | -9.7 | 142 | 0.00 |
| 25 | | Isophorone | 0.671 | 0.726 | -8.2 | 145 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.156 | 0.179 | -14.7 | 143 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.283 | 0.309 | -9.2 | 142 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.385 | 0.419 | -8.8 | 143 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.262 | 0.285 | -8.8 | 136 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.293 | 0.280 | 4.4 | 125 | 0.00 |
| 31 | | Naphthalene | 0.998 | 0.979 | 1.9 | 134 | 0.00 |
| 32 | | Benzoic acid | 0.087 | 0.105 | -20.7 | 151# | 0.00 |
| 33 | | 4-Chloroaniline | 0.415 | 0.453 | -9.2 | 142 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.157 | 0.143 | 8.9 | 126 | 0.00 |
| 35 | | Caprolactam | 0.144 | 0.133 | 7.6 | 123 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.311 | 0.347 | -11.6 | 143 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.737 | 0.748 | -1.5 | 134 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 133 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.515 | 0.499 | 3.1 | 128 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.233 | 0.208 | 10.7 | 115 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.226 | 0.213 | 5.8 | 123 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.345 | 0.368 | -6.7 | 136 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.382 | 0.398 | -4.2 | 138 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.312 | 1.298 | 1.1 | 130 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.505 | 1.527 | -1.5 | 131 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.154 | 1.168 | -1.2 | 131 | 0.00 |
| 47 | | 2-Nitroaniline | 0.275 | 0.318 | -15.6 | 148 | 0.00 |
| 48 | | Acenaphthylene | 2.024 | 1.988 | 1.8 | 131 | 0.00 |
| 49 | | Dimethylphthalate | 1.658 | 1.613 | 2.7 | 132 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.360 | 0.372 | -3.3 | 133 | 0.00 |
| 51 | C | Acenaphthene | 1.213 | 1.196 | 1.4 | 132 | 0.00 |
| 52 | | 3-Nitroaniline | 0.400 | 0.397 | 0.8 | 140 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.108 | 0.105 | 2.8 | 116 | 0.00 |
| 54 | | Dibenzofuran | 1.893 | 1.841 | 2.7 | 129 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.276 | 0.258 | 6.5 | 115 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.484 | 0.506 | -4.5 | 131 | 0.00 |
| 57 | | Fluorene | 1.631 | 1.576 | 3.4 | 129 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.342 | 0.342 | 0.0 | 135 | 0.00 |
| 59 | | Diethylphthalate | 1.771 | 1.702 | 3.9 | 131 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.738 | 0.714 | 3.3 | 127 | 0.00 |
| 61 | | 4-Nitroaniline | 0.424 | 0.366 | 13.7 | 113 | 0.00 |
| 62 | | Azobenzene | 1.341 | 1.434 | -6.9 | 143 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 123 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.092 | 0.095 | -3.3 | 117 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.576 | 0.625 | -8.5 | 129 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.187 | 0.196 | -4.8 | 125 | 0.00 |
| 67 | | Hexachlorobenzene | 0.218 | 0.213 | 2.3 | 118 | 0.00 |
| 68 | | Atrazine | 0.213 | 0.189 | 11.3 | 108 | 0.00 |
| 69 | C | Pentachlorophenol | 0.084 | 0.079 | 6.0 | 114 | 0.00 |
| 70 | | Phenanthrene | 1.086 | 1.062 | 2.2 | 121 | 0.00 |
| 71 | | Anthracene | 1.077 | 1.065 | 1.1 | 119 | 0.00 |
| 72 | | Carbazole | 1.020 | 0.874 | 14.3 | 105 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.334 | 1.129 | 15.4 | 105 | 0.00 |
| 74 | C | Fluoranthene | 1.249 | 0.945 | 24.3# | 95 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 76 | | Benzidine | 0.523 | 0.442 | 15.5 | 64 | 0.00 |
| 77 | | Pyrene | 1.243 | 1.336 | -7.5 | 91 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.842 | 0.870 | -3.3 | 87 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.577 | 0.660 | -14.4 | 96 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.121 | 1.122 | -0.1 | 86 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.315 | 0.333 | -5.7 | 86 | 0.00 |
| 82 | | Chrysene | 1.091 | 1.060 | 2.8 | 84 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.848 | 0.938 | -10.6 | 94 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.408 | 1.568 | -11.4 | 94 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.224 | 1.161 | 5.1 | 79 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.166 | 1.163 | 0.3 | 82 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.148 | 1.151 | -0.3 | 82 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.115 | 1.135 | -1.8 | 82 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.050 | 1.055 | -0.5 | 80 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.093 | 1.064 | 2.7 | 80 | 0.00 |

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