# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112117\
Data File : BG031169.D
Acq On : 22 Nov 2017 2:10
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 22 03:37:12 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:38:25 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 | 127 | -0.02 |
| 2 | | 1,4-Dioxane | 0.473 | 0.491 | -3.8 | 132 | -0.02 |
| 3 | | Pyridine | 1.374 | 1.439 | -4.7 | 127 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.651 | 0.636 | 2.3 | 120 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.166 | 1.224 | -5.0 | 130 | -0.02 |
| 6 | | Aniline | 2.068 | 2.123 | -2.7 | 127 | -0.02 |
| 7 | S | Phenol-d6 | 1.571 | 1.664 | -5.9 | 129 | 0.00 |
| 8 | | 2-Chlorophenol | 1.287 | 1.365 | -6.1 | 131 | -0.02 |
| 9 | | Benzaldehyde | 1.100 | 1.017 | 7.5 | 114 | -0.02 |
| 10 | C | Phenol | 1.632 | 1.718 | -5.3 | 129 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.303 | 1.382 | -6.1 | 131 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.510 | 1.580 | -4.6 | 132 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.530 | 1.598 | -4.4 | 131 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.469 | 1.516 | -3.2 | 128 | -0.02 |
| 15 | | Benzyl Alcohol | 1.260 | 1.253 | 0.6 | 121 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.439 | 1.396 | 3.0 | 121 | -0.01 |
| 17 | | 2-Methylphenol | 1.136 | 1.171 | -3.1 | 126 | 0.00 |
| 18 | | Hexachloroethane | 0.533 | 0.550 | -3.2 | 127 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.195 | 1.178 | 1.4 | 119 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.616 | 1.666 | -3.1 | 125 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 125 | -0.01 |
| 22 | | Acetophenone | 0.498 | 0.499 | -0.2 | 121 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.338 | 0.336 | 0.6 | 122 | -0.02 |
| 24 | | Nitrobenzene | 0.345 | 0.344 | 0.3 | 121 | -0.02 |
| 25 | | Isophorone | 0.658 | 0.628 | 4.6 | 117 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.180 | 0.188 | -4.4 | 128 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.267 | 0.271 | -1.5 | 123 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.415 | 0.418 | -0.7 | 123 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.320 | 0.334 | -4.4 | 124 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.382 | 0.395 | -3.4 | 127 | -0.02 |
| 31 | | Naphthalene | 0.983 | 0.997 | -1.4 | 126 | -0.02 |
| 32 | | Benzoic acid | 0.204 | 0.185 | 9.3 | 109 | 0.00 |
| 33 | | 4-Chloroaniline | 0.430 | 0.441 | -2.6 | 123 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.265 | 0.267 | -0.8 | 126 | -0.02 |
| 35 | | Caprolactam | 0.131 | 0.116 | 11.5 | 112 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.349 | 0.345 | 1.1 | 121 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.759 | 0.778 | -2.5 | 127 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 121 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.794 | 0.834 | -5.0 | 125 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.221 | 0.367 | -66.1# | 191# | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.324 | 0.272 | 16.0 | 101 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.454 | 0.460 | -1.3 | 118 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.496 | 0.500 | -0.8 | 119 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.392 | 1.425 | -2.4 | 123 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.658 | 1.711 | -3.2 | 124 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.197 | 1.254 | -4.8 | 124 | -0.01 |
| 47 | | 2-Nitroaniline | 0.355 | 0.343 | 3.4 | 115 | 0.00 |
| 48 | | Acenaphthylene | 1.958 | 2.008 | -2.6 | 123 | -0.01 |
| 49 | | Dimethylphthalate | 1.729 | 1.711 | 1.0 | 119 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.356 | 0.367 | -3.1 | 119 | 0.00 |
| 51 | C | Acenaphthene | 1.223 | 1.253 | -2.5 | 123 | -0.01 |
| 52 | | 3-Nitroaniline | 0.378 | 0.385 | -1.9 | 119 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.169 | 0.165 | 2.4 | 110 | 0.00 |
| 54 | | Dibenzofuran | 1.948 | 1.984 | -1.8 | 121 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.270 | 0.232 | 14.1 | 102 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.515 | 0.535 | -3.9 | 122 | 0.00 |
| 57 | | Fluorene | 1.582 | 1.604 | -1.4 | 122 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.473 | 0.461 | 2.5 | 117 | 0.00 |
| 59 | | Diethylphthalate | 1.757 | 1.711 | 2.6 | 119 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.955 | 0.968 | -1.4 | 121 | -0.02 |
| 61 | | 4-Nitroaniline | 0.401 | 0.417 | -4.0 | 125 | 0.00 |
| 62 | | Azobenzene | 1.340 | 1.328 | 0.9 | 119 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 121 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.133 | 0.138 | -3.8 | 123 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.606 | 0.617 | -1.8 | 122 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.253 | 0.245 | 3.2 | 114 | -0.01 |
| 67 | | Hexachlorobenzene | 0.269 | 0.252 | 6.3 | 111 | 0.00 |
| 68 | | Atrazine | 0.250 | 0.245 | 2.0 | 120 | -0.01 |
| 69 | C | Pentachlorophenol | 0.149 | 0.122 | 18.1 | 99 | 0.00 |
| 70 | | Phenanthrene | 1.041 | 1.077 | -3.5 | 125 | -0.01 |
| 71 | | Anthracene | 1.043 | 1.086 | -4.1 | 126 | 0.00 |
| 72 | | Carbazole | 0.978 | 1.013 | -3.6 | 125 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.200 | 1.203 | -0.3 | 122 | -0.01 |
| 74 | C | Fluoranthene | 1.318 | 1.383 | -4.9 | 128 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 128 | -0.01 |
| 76 | | Benzidine | 0.642 | 0.601 | 6.4 | 114 | 0.00 |
| 77 | | Pyrene | 1.187 | 1.243 | -4.7 | 131 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.906 | 0.866 | 4.4 | 120 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.473 | 0.505 | -6.8 | 134 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.242 | 1.268 | -2.1 | 129 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.501 | 0.492 | 1.8 | 123 | -0.01 |
| 82 | | Chrysene | 1.149 | 1.178 | -2.5 | 130 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.683 | 0.705 | -3.2 | 133 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.112 | 1.201 | -8.0 | 138 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.397 | 1.342 | 3.9 | 121 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 125 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.210 | 1.236 | -2.1 | 127 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.199 | 1.233 | -2.8 | 128 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.149 | 1.184 | -3.0 | 129 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.175 | 1.151 | 2.0 | 122 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.140 | 1.109 | 2.7 | 122 | 0.00 |

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