# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG070117\
Data File : BG027793.D
Acq On : 1 Jul 2017 21:22
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 03 07:14:13 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 19:26:37 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 | 85 | 0.00 |
| 2 | | 1,4-Dioxane | 0.484 | 0.399 | 17.6 | 69 | 0.00 |
| 3 | | Pyridine | 1.489 | 1.325 | 11.0 | 72 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.730 | 0.679 | 7.0 | 81 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.299 | 1.277 | 1.7 | 81 | 0.00 |
| 6 | | Aniline | 2.300 | 2.155 | 6.3 | 74 | 0.00 |
| 7 | S | Phenol-d6 | 1.984 | 1.885 | 5.0 | 77 | 0.00 |
| 8 | | 2-Chlorophenol | 1.451 | 1.421 | 2.1 | 81 | 0.00 |
| 9 | | Benzaldehyde | 1.181 | 1.092 | 7.5 | 75 | 0.00 |
| 10 | C | Phenol | 1.963 | 1.869 | 4.8 | 77 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.491 | 1.377 | 7.6 | 76 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.544 | 1.589 | -2.9 | 85 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.600 | 1.656 | -3.5 | 86 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.551 | 1.623 | -4.6 | 87 | 0.00 |
| 15 | | Benzyl Alcohol | 1.373 | 1.312 | 4.4 | 77 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 3.180 | 3.062 | 3.7 | 79 | 0.00 |
| 17 | | 2-Methylphenol | 1.389 | 1.355 | 2.4 | 77 | 0.00 |
| 18 | | Hexachloroethane | 0.563 | 0.585 | -3.9 | 88 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.443 | 1.324 | 8.2 | 74 | 0.00 |
| 20 | | 3+4-Methylphenols | 2.003 | 1.950 | 2.6 | 78 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 22 | | Acetophenone | 0.483 | 0.472 | 2.3 | 78 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.359 | 0.355 | 1.1 | 79 | 0.00 |
| 24 | | Nitrobenzene | 0.375 | 0.366 | 2.4 | 78 | 0.00 |
| 25 | | Isophorone | 0.782 | 0.731 | 6.5 | 75 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.169 | 0.175 | -3.6 | 80 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.317 | 0.320 | -0.9 | 79 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.443 | 0.411 | 7.2 | 75 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.278 | 0.303 | -9.0 | 86 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.284 | 0.315 | -10.9 | 90 | 0.00 |
| 31 | | Naphthalene | 1.064 | 1.094 | -2.8 | 83 | 0.00 |
| 32 | | Benzoic acid | 0.169 | 0.138 | 18.3 | 65 | 0.02 |
| 33 | | 4-Chloroaniline | 0.459 | 0.445 | 3.1 | 76 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.158 | 0.197 | -24.7# | 104 | 0.00 |
| 35 | | Caprolactam | 0.140 | 0.118 | 15.7 | 68 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.391 | 0.392 | -0.3 | 79 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.792 | 0.836 | -5.6 | 84 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.526 | 0.612 | -16.3 | 93 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.248 | 0.306 | -23.4 | 98 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.274 | 0.320 | -16.8 | 91 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.380 | 0.412 | -8.4 | 86 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.430 | 0.469 | -9.1 | 84 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.400 | 1.542 | -10.1 | 88 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.603 | 1.688 | -5.3 | 84 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.211 | 1.268 | -4.7 | 84 | 0.00 |
| 47 | | 2-Nitroaniline | 0.485 | 0.467 | 3.7 | 75 | 0.00 |
| 48 | | Acenaphthylene | 2.213 | 2.294 | -3.7 | 82 | 0.00 |
| 49 | | Dimethylphthalate | 1.706 | 1.668 | 2.2 | 78 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.371 | 0.380 | -2.4 | 80 | 0.00 |
| 51 | C | Acenaphthene | 1.418 | 1.480 | -4.4 | 83 | 0.00 |
| 52 | | 3-Nitroaniline | 0.436 | 0.393 | 9.9 | 70 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.164 | 0.172 | -4.9 | 83 | 0.00 |
| 54 | | Dibenzofuran | 1.875 | 1.912 | -2.0 | 82 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.333 | 0.267 | 19.8 | 62 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.517 | 0.517 | 0.0 | 77 | 0.00 |
| 57 | | Fluorene | 1.818 | 1.857 | -2.1 | 81 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.371 | 0.382 | -3.0 | 82 | 0.00 |
| 59 | | Diethylphthalate | 1.889 | 1.794 | 5.0 | 77 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.805 | 0.857 | -6.5 | 84 | 0.00 |
| 61 | | 4-Nitroaniline | 0.455 | 0.411 | 9.7 | 71 | 0.00 |
| 62 | | Azobenzene | 1.660 | 1.556 | 6.3 | 75 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.115 | 0.127 | -10.4 | 84 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.651 | 0.686 | -5.4 | 79 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.209 | 0.243 | -16.3 | 86 | 0.00 |
| 67 | | Hexachlorobenzene | 0.222 | 0.258 | -16.2 | 88 | 0.00 |
| 68 | | Atrazine | 0.205 | 0.223 | -8.8 | 80 | 0.00 |
| 69 | C | Pentachlorophenol | 0.123 | 0.136 | -10.6 | 83 | 0.00 |
| 70 | | Phenanthrene | 1.155 | 1.187 | -2.8 | 78 | 0.00 |
| 71 | | Anthracene | 1.166 | 1.202 | -3.1 | 77 | 0.00 |
| 72 | | Carbazole | 1.148 | 1.141 | 0.6 | 75 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.262 | 1.278 | -1.3 | 75 | 0.00 |
| 74 | C | Fluoranthene | 1.262 | 1.315 | -4.2 | 79 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 76 | | Benzidine | 0.447 | 0.346 | 22.6 | 57 | 0.00 |
| 77 | | Pyrene | 1.255 | 1.265 | -0.8 | 80 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.853 | 0.920 | -7.9 | 83 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.565 | 0.548 | 3.0 | 76 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.209 | 1.243 | -2.8 | 81 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.439 | 0.452 | -3.0 | 81 | 0.00 |
| 82 | | Chrysene | 1.133 | 1.174 | -3.6 | 82 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.826 | 0.792 | 4.1 | 75 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.365 | 1.338 | 2.0 | 76 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.295 | 1.408 | -8.7 | 84 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.289 | 1.315 | -2.0 | 85 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.274 | 1.280 | -0.5 | 83 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.209 | 1.224 | -1.2 | 84 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.225 | 1.261 | -2.9 | 85 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.177 | 1.202 | -2.1 | 85 | 0.01 |

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