# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG020718\
Data File : BG032594.D
Acq On : 7 Feb 2018 15:16
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 08 03:19:48 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 18:57:08 2018
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 | 69 | -0.02 |
| 2 | | 1,4-Dioxane | 0.335 | 0.351 | -4.8 | 80 | -0.02 |
| 3 | | Pyridine | 0.905 | 0.913 | -0.9 | 69 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.471 | 0.483 | -2.5 | 67 | -0.01 |
| 5 | S | 2-Fluorophenol | 0.996 | 0.970 | 2.6 | 66 | -0.02 |
| 6 | | Aniline | 1.657 | 1.503 | 9.3 | 60 | -0.02 |
| 7 | S | Phenol-d6 | 1.329 | 1.332 | -0.2 | 69 | -0.02 |
| 8 | | 2-Chlorophenol | 1.177 | 1.165 | 1.0 | 67 | -0.02 |
| 9 | | Benzaldehyde | 0.686 | 0.606 | 11.7 | 61 | -0.02 |
| 10 | C | Phenol | 1.262 | 1.303 | -3.2 | 69 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 0.961 | 1.074 | -11.8 | 77 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.592 | 1.532 | 3.8 | 67 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.595 | 1.596 | -0.1 | 70 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.563 | 1.572 | -0.6 | 69 | -0.02 |
| 15 | | Benzyl Alcohol | 1.095 | 1.037 | 5.3 | 63 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 0.911 | 0.631 | 30.7# | 47# | -0.02 |
| 17 | | 2-Methylphenol | 1.025 | 0.835 | 18.5 | 55 | -0.02 |
| 18 | | Hexachloroethane | 0.536 | 0.428 | 20.1 | 57 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.881 | 0.878 | 0.3 | 66 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.438 | 1.330 | 7.5 | 60 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 58 | -0.02 |
| 22 | | Acetophenone | 0.469 | 0.487 | -3.8 | 61 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.320 | 0.275 | 14.1 | 49# | -0.02 |
| 24 | | Nitrobenzene | 0.310 | 0.274 | 11.6 | 52 | -0.02 |
| 25 | | Isophorone | 0.545 | 0.500 | 8.3 | 53 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.187 | 0.181 | 3.2 | 54 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.269 | 0.240 | 10.8 | 52 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.299 | 0.354 | -18.4 | 69 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.356 | 0.376 | -5.6 | 61 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.474 | 0.445 | 6.1 | 56 | -0.02 |
| 31 | | Naphthalene | 0.977 | 1.003 | -2.7 | 60 | -0.02 |
| 32 | | Benzoic acid | 0.181 | 0.184 | -1.7 | 57 | -0.02 |
| 33 | | 4-Chloroaniline | 0.436 | 0.422 | 3.2 | 57 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.369 | 0.413 | -11.9 | 66 | -0.02 |
| 35 | | Caprolactam | 0.102 | 0.089 | 12.7 | 50# | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.338 | 0.291 | 13.9 | 51 | -0.02 |
| 37 | | 2-Methylnaphthalene | 0.821 | 0.698 | 15.0 | 50# | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 48# | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.936 | 0.928 | 0.9 | 49# | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 0.585 | 0.543 | 7.2 | 45# | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.381 | 0.439 | -15.2 | 57 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.509 | 0.467 | 8.3 | 46# | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.593 | 0.518 | 12.6 | 43# | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 1.683 | 1.585 | 5.8 | 47# | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.690 | 1.742 | -3.1 | 51 | -0.02 |
| 46 | | 2-Chloronaphthalene | 1.324 | 1.266 | 4.4 | 47# | -0.02 |
| 47 | | 2-Nitroaniline | 0.293 | 0.269 | 8.2 | 45# | -0.02 |
| 48 | | Acenaphthylene | 2.002 | 1.981 | 1.0 | 49# | -0.02 |
| 49 | | Dimethylphthalate | 1.844 | 1.684 | 8.7 | 46# | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.387 | 0.361 | 6.7 | 47# | -0.01 |
| 51 | C | Acenaphthene | 1.389 | 1.410 | -1.5 | 50# | -0.02 |
| 52 | | 3-Nitroaniline | 0.338 | 0.339 | -0.3 | 49# | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 0.217 | 0.169 | 22.1 | 38# | -0.01 |
| 54 | | Dibenzofuran | 2.055 | 2.014 | 2.0 | 49# | -0.02 |
| 55 | P | 4-Nitrophenol | 0.253 | 0.252 | 0.4 | 49# | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.551 | 0.530 | 3.8 | 47# | -0.02 |
| 57 | | Fluorene | 1.708 | 1.687 | 1.2 | 50 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.585 | 0.571 | 2.4 | 47# | -0.02 |
| 59 | | Diethylphthalate | 1.796 | 1.731 | 3.6 | 49# | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 1.077 | 1.023 | 5.0 | 47# | -0.01 |
| 61 | | 4-Nitroaniline | 0.362 | 0.369 | -1.9 | 52 | -0.02 |
| 62 | | Azobenzene | 1.073 | 1.034 | 3.6 | 49# | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 49# | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.149 | 0.130 | 12.8 | 42# | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.597 | 0.618 | -3.5 | 52 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.296 | 0.294 | 0.7 | 49# | -0.01 |
| 67 | | Hexachlorobenzene | 0.328 | 0.335 | -2.1 | 51 | -0.01 |
| 68 | | Atrazine | 0.256 | 0.195 | 23.8 | 37# | 0.00 |
| 69 | C | Pentachlorophenol | 0.205 | 0.194 | 5.4 | 47# | 0.00 |
| 70 | | Phenanthrene | 1.115 | 1.078 | 3.3 | 49# | 0.00 |
| 71 | | Anthracene | 1.111 | 1.119 | -0.7 | 50 | -0.01 |
| 72 | | Carbazole | 0.981 | 0.977 | 0.4 | 50# | 0.00 |
| 73 | | Di-n-butylphthalate | 1.086 | 1.159 | -6.7 | 53 | 0.00 |
| 74 | C | Fluoranthene | 1.463 | 1.475 | -0.8 | 52 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 57 | 0.00 |
| 76 | | Benzidine | 0.393 | 0.310 | 21.1 | 40# | 0.00 |
| 77 | | Pyrene | 1.227 | 1.090 | 11.2 | 51 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.934 | 0.937 | -0.3 | 58 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.387 | 0.411 | -6.2 | 60 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.240 | 1.187 | 4.3 | 55 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.480 | 0.469 | 2.3 | 55 | 0.00 |
| 82 | | Chrysene | 1.197 | 1.277 | -6.7 | 62 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.549 | 0.657 | -19.7 | 67 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 0.870 | 0.998 | -14.7 | 64 | 0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.515 | 1.758 | -16.0 | 66 | 0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 55 | 0.01 |
| 87 | | Benzo(b)fluoranthene | 1.208 | 1.182 | 2.2 | 55 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.197 | 1.180 | 1.4 | 56 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.152 | 1.119 | 2.9 | 55 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.179 | 1.408 | -19.4 | 66 | 0.02 |
| 91 | Benzo(g,h,i)perylene | 1.170 | 1.460 | -24.8 | 70 | 0.02 |

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