# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092619\
Data File : BG042937.D
Acq On : 26 Sep 2019 15:45
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 26 18:33:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 25 15:35:52 2019
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 | 88 | 0.00 |
| 2 | | 1,4-Dioxane | 0.467 | 0.464 | 0.6 | 95 | 0.00 |
| 3 | | Pyridine | 1.314 | 1.342 | -2.1 | 91 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.632 | 0.700 | -10.8 | 98 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.121 | 1.156 | -3.1 | 94 | 0.00 |
| 6 | | Aniline | 1.948 | 2.005 | -2.9 | 91 | 0.00 |
| 7 | S | Phenol-d6 | 1.614 | 1.642 | -1.7 | 90 | 0.00 |
| 8 | | 2-Chlorophenol | 1.169 | 1.182 | -1.1 | 90 | 0.00 |
| 9 | | Benzaldehyde | 0.986 | 0.976 | 1.0 | 81 | 0.00 |
| 10 | C | Phenol | 1.481 | 1.475 | 0.4 | 88 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.146 | 1.147 | -0.1 | 89 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.491 | 1.504 | -0.9 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.486 | 1.497 | -0.7 | 90 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.415 | 1.422 | -0.5 | 91 | 0.00 |
| 15 | | Benzyl Alcohol | 1.213 | 1.251 | -3.1 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.200 | 2.303 | -4.7 | 93 | 0.00 |
| 17 | | 2-Methylphenol | 1.036 | 1.045 | -0.9 | 87 | 0.00 |
| 18 | | Hexachloroethane | 0.560 | 0.552 | 1.4 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.060 | 1.082 | -2.1 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.420 | 1.442 | -1.5 | 89 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 22 | | Acetophenone | 0.516 | 0.500 | 3.1 | 80 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.411 | 0.407 | 1.0 | 89 | 0.00 |
| 24 | | Nitrobenzene | 0.392 | 0.390 | 0.5 | 91 | 0.00 |
| 25 | | Isophorone | 0.723 | 0.723 | 0.0 | 89 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.167 | 0.165 | 1.2 | 91 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.257 | 0.252 | 1.9 | 90 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.410 | 0.403 | 1.7 | 88 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.319 | 0.323 | -1.3 | 90 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.412 | 0.411 | 0.2 | 92 | 0.00 |
| 31 | | Naphthalene | 0.985 | 0.967 | 1.8 | 90 | 0.00 |
| 32 | | Benzoic acid | 0.194 | 0.192 | 1.0 | 76 | -0.01 |
| 33 | | 4-Chloroaniline | 0.427 | 0.430 | -0.7 | 89 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.309 | 0.308 | 0.3 | 92 | 0.00 |
| 35 | | Caprolactam | 0.113 | 0.114 | -0.9 | 90 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.347 | 0.355 | -2.3 | 90 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.751 | 0.749 | 0.3 | 90 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.711 | 0.712 | -0.1 | 92 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.752 | 0.719 | 4.4 | 78 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.479 | 0.457 | 4.6 | 88 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.344 | 0.348 | -1.2 | 96 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.440 | 0.436 | 0.9 | 92 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.453 | 0.441 | 2.6 | 91 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.380 | 1.376 | 0.3 | 92 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.517 | 1.467 | 3.3 | 82 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.137 | 1.105 | 2.8 | 90 | 0.00 |
| 48 | | 2-Nitroaniline | 0.378 | 0.378 | 0.0 | 93 | 0.00 |
| 49 | | Acenaphthylene | 1.740 | 1.718 | 1.3 | 92 | 0.00 |
| 50 | | Dimethylphthalate | 1.499 | 1.484 | 1.0 | 93 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.319 | 0.324 | -1.6 | 94 | 0.00 |
| 52 | C | Acenaphthene | 1.165 | 1.197 | -2.7 | 93 | 0.00 |
| 53 | | 3-Nitroaniline | 0.330 | 0.335 | -1.5 | 94 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.198 | 0.208 | -5.1 | 97 | 0.00 |
| 55 | | Dibenzofuran | 1.723 | 1.724 | -0.1 | 93 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.251 | 0.251 | 0.0 | 91 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.467 | 0.472 | -1.1 | 94 | 0.00 |
| 58 | | Fluorene | 1.471 | 1.468 | 0.2 | 93 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.483 | 0.496 | -2.7 | 96 | 0.00 |
| 60 | | Diethylphthalate | 1.525 | 1.520 | 0.3 | 93 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.882 | 0.872 | 1.1 | 93 | 0.00 |
| 62 | | 4-Nitroaniline | 0.360 | 0.355 | 1.4 | 94 | 0.00 |
| 63 | | Azobenzene | 1.388 | 1.405 | -1.2 | 94 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.113 | 0.114 | -0.9 | 92 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.528 | 0.538 | -1.9 | 94 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.251 | 0.258 | -2.8 | 94 | 0.00 |
| 68 | | Hexachlorobenzene | 0.279 | 0.284 | -1.8 | 95 | 0.00 |
| 69 | | Atrazine | 0.222 | 0.224 | -0.9 | 90 | 0.00 |
| 70 | C | Pentachlorophenol | 0.161 | 0.164 | -1.9 | 93 | 0.00 |
| 71 | | Phenanthrene | 0.976 | 0.998 | -2.3 | 95 | 0.00 |
| 72 | | Anthracene | 0.975 | 0.987 | -1.2 | 93 | 0.00 |
| 73 | | Carbazole | 0.904 | 0.917 | -1.4 | 94 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.078 | 1.104 | -2.4 | 94 | 0.00 |
| 75 | C | Fluoranthene | 1.291 | 1.316 | -1.9 | 95 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 77 | | Benzidine | 0.501 | 0.518 | -3.4 | 96 | 0.00 |
| 78 | | Pyrene | 1.194 | 1.181 | 1.1 | 95 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.939 | 0.987 | -5.1 | 97 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.453 | 0.441 | 2.6 | 95 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.246 | 1.242 | 0.3 | 98 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.489 | 0.472 | 3.5 | 93 | 0.00 |
| 83 | | Chrysene | 1.209 | 1.192 | 1.4 | 97 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.645 | 0.627 | 2.8 | 96 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.054 | 1.039 | 1.4 | 97 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.506 | 1.475 | 2.1 | 97 | -0.03 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 96 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.132 | 1.133 | -0.1 | 97 | -0.01 |
| 89 | Benzo(k)fluoranthene | 1.120 | 1.111 | 0.8 | 96 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.068 | 1.071 | -0.3 | 98 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 1.095 | 1.097 | -0.2 | 98 | -0.03 |
| 92 | Benzo(g,h,i)perylene | 1.061 | 1.057 | 0.4 | 98 | -0.03 |

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