# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082819\
Data File : BG042525.D
Acq On : 28 Aug 2019 8:44
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 28 15:16:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 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 | 78 | 0.00 |
| 2 | | 1,4-Dioxane | 0.412 | 0.445 | -8.0 | 83 | 0.00 |
| 3 | | Pyridine | 1.057 | 1.091 | -3.2 | 77 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.377 | 0.384 | -1.9 | 80 | 0.00 |
| 5 | S | 2-Fluorophenol | 0.988 | 1.019 | -3.1 | 79 | 0.00 |
| 6 | | Aniline | 1.779 | 1.768 | 0.6 | 77 | 0.00 |
| 7 | S | Phenol-d6 | 1.334 | 1.328 | 0.4 | 76 | 0.00 |
| 8 | | 2-Chlorophenol | 1.197 | 1.228 | -2.6 | 79 | 0.00 |
| 9 | | Benzaldehyde | 0.668 | 0.679 | -1.6 | 94 | 0.00 |
| 10 | C | Phenol | 1.356 | 1.368 | -0.9 | 77 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.065 | 1.092 | -2.5 | 79 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.522 | 1.573 | -3.4 | 80 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.542 | 1.568 | -1.7 | 79 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.477 | 1.502 | -1.7 | 79 | 0.00 |
| 15 | | Benzyl Alcohol | 0.960 | 0.972 | -1.3 | 78 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.444 | 1.425 | 1.3 | 77 | -0.01 |
| 17 | | 2-Methylphenol | 0.999 | 1.008 | -0.9 | 79 | 0.00 |
| 18 | | Hexachloroethane | 0.528 | 0.536 | -1.5 | 79 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.864 | 0.882 | -2.1 | 79 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.382 | 1.379 | 0.2 | 78 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 22 | | Acetophenone | 0.428 | 0.442 | -3.3 | 80 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.289 | 0.298 | -3.1 | 80 | 0.00 |
| 24 | | Nitrobenzene | 0.293 | 0.297 | -1.4 | 79 | 0.00 |
| 25 | | Isophorone | 0.571 | 0.575 | -0.7 | 77 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.184 | 0.189 | -2.7 | 81 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.253 | 0.251 | 0.8 | 76 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.360 | 0.365 | -1.4 | 78 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.331 | 0.338 | -2.1 | 78 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.406 | 0.423 | -4.2 | 81 | 0.00 |
| 31 | | Naphthalene | 0.929 | 0.943 | -1.5 | 78 | 0.00 |
| 32 | | Benzoic acid | 0.169 | 0.153 | 9.5 | 74 | 0.00 |
| 33 | | 4-Chloroaniline | 0.429 | 0.434 | -1.2 | 77 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.273 | 0.289 | -5.9 | 83 | 0.00 |
| 35 | | Caprolactam | 0.110 | 0.106 | 3.6 | 72 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.314 | 0.321 | -2.2 | 78 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.746 | 0.760 | -1.9 | 77 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.708 | 0.726 | -2.5 | 78 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.642 | 0.683 | -6.4 | 81 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.337 | 0.328 | 2.7 | 77 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.284 | 0.291 | -2.5 | 75 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.434 | 0.448 | -3.2 | 78 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.450 | 0.471 | -4.7 | 80 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.183 | 1.279 | -8.1 | 80 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.293 | 1.337 | -3.4 | 78 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.115 | 1.151 | -3.2 | 78 | 0.00 |
| 48 | | 2-Nitroaniline | 0.269 | 0.271 | -0.7 | 76 | 0.00 |
| 49 | | Acenaphthylene | 1.677 | 1.744 | -4.0 | 77 | 0.00 |
| 50 | | Dimethylphthalate | 1.443 | 1.504 | -4.2 | 76 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.334 | 0.344 | -3.0 | 76 | 0.00 |
| 52 | C | Acenaphthene | 1.018 | 1.035 | -1.7 | 76 | 0.00 |
| 53 | | 3-Nitroaniline | 0.335 | 0.335 | 0.0 | 74 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.198 | 0.176 | 11.1 | 67 | 0.00 |
| 55 | | Dibenzofuran | 1.686 | 1.774 | -5.2 | 77 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.238 | 0.234 | 1.7 | 73 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.479 | 0.490 | -2.3 | 75 | 0.00 |
| 58 | | Fluorene | 1.378 | 1.437 | -4.3 | 76 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.445 | 0.461 | -3.6 | 77 | 0.00 |
| 60 | | Diethylphthalate | 1.411 | 1.446 | -2.5 | 74 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.831 | 0.860 | -3.5 | 77 | 0.00 |
| 62 | | 4-Nitroaniline | 0.358 | 0.361 | -0.8 | 73 | 0.00 |
| 63 | | Azobenzene | 0.967 | 0.965 | 0.2 | 74 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.125 | 0.125 | 0.0 | 73 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.550 | 0.564 | -2.5 | 75 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.254 | 0.262 | -3.1 | 77 | 0.00 |
| 68 | | Hexachlorobenzene | 0.276 | 0.282 | -2.2 | 76 | 0.00 |
| 69 | | Atrazine | 0.195 | 0.177 | 9.2 | 70 | 0.00 |
| 70 | C | Pentachlorophenol | 0.143 | 0.135 | 5.6 | 69 | 0.00 |
| 71 | | Phenanthrene | 0.993 | 1.046 | -5.3 | 76 | 0.00 |
| 72 | | Anthracene | 0.992 | 1.044 | -5.2 | 75 | 0.00 |
| 73 | | Carbazole | 0.884 | 0.920 | -4.1 | 75 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.045 | 1.111 | -6.3 | 75 | 0.00 |
| 75 | C | Fluoranthene | 1.212 | 1.341 | -10.6 | 78 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 77 | | Benzidine | 0.573 | 0.498 | 13.1 | 77 | 0.00 |
| 78 | | Pyrene | 1.226 | 1.299 | -6.0 | 78 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.925 | 0.975 | -5.4 | 79 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.482 | 0.495 | -2.7 | 77 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.217 | 1.287 | -5.8 | 78 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.489 | 0.493 | -0.8 | 76 | 0.00 |
| 83 | | Chrysene | 1.173 | 1.232 | -5.0 | 77 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.670 | 0.689 | -2.8 | 76 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.152 | 1.183 | -2.7 | 76 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.595 | 1.596 | -0.1 | 76 | -0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.100 | 1.136 | -3.3 | 74 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.057 | 1.128 | -6.7 | 78 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.043 | 1.103 | -5.8 | 77 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.056 | 1.082 | -2.5 | 76 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 1.057 | 1.080 | -2.2 | 76 | -0.01 |

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