# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082619\
Data File : BG042490.D
Acq On : 26 Aug 2019 8:39
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 27 01:16:12 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 | 93 | 0.00 |
| 2 | | 1,4-Dioxane | 0.412 | 0.447 | -8.5 | 100 | 0.00 |
| 3 | | Pyridine | 1.057 | 1.179 | -11.5 | 100 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.377 | 0.386 | -2.4 | 96 | 0.00 |
| 5 | S | 2-Fluorophenol | 0.988 | 0.997 | -0.9 | 93 | 0.00 |
| 6 | | Aniline | 1.779 | 1.807 | -1.6 | 94 | 0.00 |
| 7 | S | Phenol-d6 | 1.334 | 1.357 | -1.7 | 93 | 0.00 |
| 8 | | 2-Chlorophenol | 1.197 | 1.190 | 0.6 | 91 | 0.00 |
| 9 | | Benzaldehyde | 0.668 | 0.647 | 3.1 | 107 | 0.00 |
| 10 | C | Phenol | 1.356 | 1.391 | -2.6 | 94 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.065 | 1.110 | -4.2 | 95 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.522 | 1.524 | -0.1 | 93 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.542 | 1.520 | 1.4 | 91 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.477 | 1.474 | 0.2 | 93 | 0.00 |
| 15 | | Benzyl Alcohol | 0.960 | 0.939 | 2.2 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.444 | 1.485 | -2.8 | 95 | 0.00 |
| 17 | | 2-Methylphenol | 0.999 | 1.007 | -0.8 | 94 | 0.00 |
| 18 | | Hexachloroethane | 0.528 | 0.516 | 2.3 | 91 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.864 | 0.880 | -1.9 | 94 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.382 | 1.390 | -0.6 | 94 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 22 | | Acetophenone | 0.428 | 0.433 | -1.2 | 94 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.289 | 0.294 | -1.7 | 94 | 0.00 |
| 24 | | Nitrobenzene | 0.293 | 0.298 | -1.7 | 95 | 0.00 |
| 25 | | Isophorone | 0.571 | 0.580 | -1.6 | 93 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.184 | 0.180 | 2.2 | 92 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.253 | 0.253 | 0.0 | 92 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.360 | 0.372 | -3.3 | 95 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.331 | 0.325 | 1.8 | 90 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.406 | 0.399 | 1.7 | 92 | 0.00 |
| 31 | | Naphthalene | 0.929 | 0.945 | -1.7 | 94 | 0.00 |
| 32 | | Benzoic acid | 0.169 | 0.151 | 10.7 | 87 | 0.00 |
| 33 | | 4-Chloroaniline | 0.429 | 0.425 | 0.9 | 90 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.273 | 0.270 | 1.1 | 93 | 0.00 |
| 35 | | Caprolactam | 0.110 | 0.108 | 1.8 | 87 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.314 | 0.312 | 0.6 | 90 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.746 | 0.751 | -0.7 | 91 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.708 | 0.711 | -0.4 | 92 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.642 | 0.638 | 0.6 | 89 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.337 | 0.316 | 6.2 | 87 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.284 | 0.264 | 7.0 | 80 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.434 | 0.427 | 1.6 | 88 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.450 | 0.433 | 3.8 | 86 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.183 | 1.223 | -3.4 | 91 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.293 | 1.325 | -2.5 | 91 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.115 | 1.127 | -1.1 | 90 | 0.00 |
| 48 | | 2-Nitroaniline | 0.269 | 0.277 | -3.0 | 91 | 0.00 |
| 49 | | Acenaphthylene | 1.677 | 1.710 | -2.0 | 89 | 0.00 |
| 50 | | Dimethylphthalate | 1.443 | 1.449 | -0.4 | 87 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.334 | 0.326 | 2.4 | 85 | 0.00 |
| 52 | C | Acenaphthene | 1.018 | 1.026 | -0.8 | 88 | 0.00 |
| 53 | | 3-Nitroaniline | 0.335 | 0.336 | -0.3 | 87 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.198 | 0.161 | 18.7 | 72 | 0.00 |
| 55 | | Dibenzofuran | 1.686 | 1.712 | -1.5 | 88 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.238 | 0.235 | 1.3 | 86 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.479 | 0.481 | -0.4 | 86 | 0.00 |
| 58 | | Fluorene | 1.378 | 1.398 | -1.5 | 88 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.445 | 0.430 | 3.4 | 85 | 0.00 |
| 60 | | Diethylphthalate | 1.411 | 1.423 | -0.9 | 86 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.831 | 0.817 | 1.7 | 86 | 0.00 |
| 62 | | 4-Nitroaniline | 0.358 | 0.361 | -0.8 | 86 | 0.00 |
| 63 | | Azobenzene | 0.967 | 1.014 | -4.9 | 92 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.125 | 0.120 | 4.0 | 81 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.550 | 0.557 | -1.3 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.254 | 0.244 | 3.9 | 83 | 0.00 |
| 68 | | Hexachlorobenzene | 0.276 | 0.262 | 5.1 | 81 | 0.00 |
| 69 | | Atrazine | 0.195 | 0.180 | 7.7 | 82 | 0.00 |
| 70 | C | Pentachlorophenol | 0.143 | 0.131 | 8.4 | 77 | 0.00 |
| 71 | | Phenanthrene | 0.993 | 1.029 | -3.6 | 86 | 0.00 |
| 72 | | Anthracene | 0.992 | 1.033 | -4.1 | 86 | 0.00 |
| 73 | | Carbazole | 0.884 | 0.918 | -3.8 | 86 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.045 | 1.108 | -6.0 | 86 | 0.00 |
| 75 | C | Fluoranthene | 1.212 | 1.277 | -5.4 | 86 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 77 | | Benzidine | 0.573 | 0.526 | 8.2 | 89 | 0.00 |
| 78 | | Pyrene | 1.226 | 1.298 | -5.9 | 86 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.925 | 0.957 | -3.5 | 85 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.482 | 0.510 | -5.8 | 87 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.217 | 1.271 | -4.4 | 85 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.489 | 0.482 | 1.4 | 82 | -0.01 |
| 83 | | Chrysene | 1.173 | 1.226 | -4.5 | 85 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.670 | 0.722 | -7.8 | 88 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.152 | 1.255 | -8.9 | 89 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.595 | 1.597 | -0.1 | 84 | -0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 86 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.100 | 1.124 | -2.2 | 83 | -0.01 |
| 89 | Benzo(k)fluoranthene | 1.057 | 1.085 | -2.6 | 85 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.043 | 1.072 | -2.8 | 84 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 1.056 | 1.057 | -0.1 | 84 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 1.057 | 1.051 | 0.6 | 83 | -0.02 |

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