# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012319\
Data File : BG039258.D
Acq On : 23 Jan 2019 11:19
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 23 11:55:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 14:23:53 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 | 94 | 0.00 |
| 2 | | 1,4-Dioxane | 0.413 | 0.340 | 17.7 | 78 | 0.00 |
| 3 | | Pyridine | 1.122 | 0.995 | 11.3 | 81 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.505 | 0.478 | 5.3 | 85 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.054 | 1.041 | 1.2 | 89 | 0.00 |
| 6 | | Aniline | 1.822 | 1.851 | -1.6 | 91 | 0.00 |
| 7 | S | Phenol-d6 | 1.517 | 1.621 | -6.9 | 97 | 0.00 |
| 8 | | 2-Chlorophenol | 1.243 | 1.222 | 1.7 | 89 | 0.00 |
| 9 | | Benzaldehyde | 0.875 | 0.828 | 5.4 | 94 | 0.00 |
| 10 | C | Phenol | 1.521 | 1.621 | -6.6 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.163 | 1.184 | -1.8 | 93 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.489 | 1.406 | 5.6 | 88 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.508 | 1.421 | 5.8 | 87 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.438 | 1.309 | 9.0 | 84 | 0.00 |
| 15 | | Benzyl Alcohol | 1.143 | 1.200 | -5.0 | 93 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.229 | 2.321 | -4.1 | 96 | 0.00 |
| 17 | | 2-Methylphenol | 1.056 | 1.057 | -0.1 | 90 | 0.00 |
| 18 | | Hexachloroethane | 0.512 | 0.507 | 1.0 | 91 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.996 | 0.971 | 2.5 | 91 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.506 | 1.460 | 3.1 | 87 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 22 | | Acetophenone | 0.522 | 0.524 | -0.4 | 88 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.366 | 0.372 | -1.6 | 89 | 0.00 |
| 24 | | Nitrobenzene | 0.369 | 0.364 | 1.4 | 87 | 0.00 |
| 25 | | Isophorone | 0.630 | 0.591 | 6.2 | 82 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.200 | 0.194 | 3.0 | 84 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.281 | 0.268 | 4.6 | 82 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.378 | 0.368 | 2.6 | 84 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.349 | 0.370 | -6.0 | 90 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.420 | 0.407 | 3.1 | 86 | 0.00 |
| 31 | | Naphthalene | 1.003 | 0.957 | 4.6 | 85 | 0.00 |
| 32 | | Benzoic acid | 0.149 | 0.133 | 10.7 | 80 | 0.00 |
| 33 | | 4-Chloroaniline | 0.449 | 0.429 | 4.5 | 82 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.289 | 0.280 | 3.1 | 85 | 0.00 |
| 35 | | Caprolactam | 0.140 | 0.135 | 3.6 | 85 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.374 | 0.392 | -4.8 | 92 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.752 | 0.746 | 0.8 | 88 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.722 | 0.745 | -3.2 | 91 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.751 | 0.691 | 8.0 | 86 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.369 | 0.370 | -0.3 | 92 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.335 | 0.290 | 13.4 | 80 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.473 | 0.446 | 5.7 | 87 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.500 | 0.486 | 2.8 | 88 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.461 | 1.353 | 7.4 | 88 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.585 | 1.469 | 7.3 | 87 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.282 | 1.167 | 9.0 | 86 | 0.00 |
| 48 | | 2-Nitroaniline | 0.359 | 0.357 | 0.6 | 90 | -0.01 |
| 49 | | Acenaphthylene | 1.928 | 1.882 | 2.4 | 92 | -0.01 |
| 50 | | Dimethylphthalate | 1.690 | 1.436 | 15.0 | 81 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.378 | 0.405 | -7.1 | 100 | 0.00 |
| 52 | C | Acenaphthene | 1.158 | 1.069 | 7.7 | 88 | 0.00 |
| 53 | | 3-Nitroaniline | 0.383 | 0.357 | 6.8 | 87 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.195 | 0.258 | -32.3# | 117 | -0.01 |
| 55 | | Dibenzofuran | 2.045 | 1.851 | 9.5 | 87 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.276 | 0.224 | 18.8 | 73 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.542 | 0.475 | 12.4 | 83 | 0.00 |
| 58 | | Fluorene | 1.540 | 1.369 | 11.1 | 85 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.472 | 0.415 | 12.1 | 83 | 0.00 |
| 60 | | Diethylphthalate | 1.741 | 1.554 | 10.7 | 86 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.970 | 0.871 | 10.2 | 84 | 0.00 |
| 62 | | 4-Nitroaniline | 0.399 | 0.360 | 9.8 | 82 | 0.00 |
| 63 | | Azobenzene | 1.362 | 1.252 | 8.1 | 89 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.148 | 0.140 | 5.4 | 81 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.593 | 0.576 | 2.9 | 84 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.257 | 0.261 | -1.6 | 88 | -0.01 |
| 68 | | Hexachlorobenzene | 0.281 | 0.261 | 7.1 | 82 | -0.01 |
| 69 | | Atrazine | 0.252 | 0.225 | 10.7 | 77 | 0.00 |
| 70 | C | Pentachlorophenol | 0.150 | 0.170 | -13.3 | 95 | -0.01 |
| 71 | | Phenanthrene | 1.057 | 1.016 | 3.9 | 84 | -0.01 |
| 72 | | Anthracene | 1.045 | 0.972 | 7.0 | 82 | 0.00 |
| 73 | | Carbazole | 1.032 | 0.973 | 5.7 | 83 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.148 | 1.041 | 9.3 | 80 | 0.00 |
| 75 | C | Fluoranthene | 1.311 | 1.205 | 8.1 | 81 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 88 | -0.01 |
| 77 | | Benzidine | 0.612 | 0.535 | 12.6 | 70 | 0.00 |
| 78 | | Pyrene | 1.275 | 1.216 | 4.6 | 83 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.081 | 0.988 | 8.6 | 82 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.485 | 0.465 | 4.1 | 83 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.217 | 1.183 | 2.8 | 84 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.496 | 0.480 | 3.2 | 83 | 0.00 |
| 83 | | Chrysene | 1.158 | 1.099 | 5.1 | 83 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.673 | 0.671 | 0.3 | 86 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.138 | 1.114 | 2.1 | 84 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.384 | 1.294 | 6.5 | 80 | -0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 83 | -0.02 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.103 | 1.133 | -2.7 | 86 | -0.02 |
| 89 | Benzo(k)fluoranthene | 1.090 | 1.086 | 0.4 | 81 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.066 | 1.057 | 0.8 | 82 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 1.060 | 1.014 | 4.3 | 79 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 1.050 | 0.968 | 7.8 | 77 | -0.02 |

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