# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071019\
Data File : BF115459.D
Acq On : 10 Jul 2019 17:03
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Jul 11 07:33:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 10 16:47:05 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 | 99 | 0.00 |
| 2 | | 1,4-Dioxane | 0.635 | 0.595 | 6.3 | 97 | -0.01 |
| 3 | | Pyridine | 1.756 | 1.629 | 7.2 | 96 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.712 | 0.584 | 18.0 | 83 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.294 | 1.226 | 5.3 | 96 | 0.00 |
| 6 | | Aniline | 2.323 | 2.161 | 7.0 | 93 | 0.00 |
| 7 | S | Phenol-d6 | 1.646 | 1.550 | 5.8 | 95 | 0.00 |
| 8 | | 2-Chlorophenol | 1.462 | 1.393 | 4.7 | 95 | 0.00 |
| 9 | | Benzaldehyde | 1.049 | 0.983 | 6.3 | 103 | 0.00 |
| 10 | C | Phenol | 1.970 | 1.836 | 6.8 | 94 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.461 | 1.355 | 7.3 | 93 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.601 | 1.534 | 4.2 | 96 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.604 | 1.543 | 3.8 | 97 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.485 | 1.440 | 3.0 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 1.321 | 1.233 | 6.7 | 93 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.043 | 1.812 | 11.3 | 90 | 0.00 |
| 17 | | 2-Methylphenol | 1.252 | 1.183 | 5.5 | 95 | 0.00 |
| 18 | | Hexachloroethane | 0.598 | 0.568 | 5.0 | 96 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.114 | 0.979 | 12.1 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.479 | 1.391 | 5.9 | 92 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 22 | | Acetophenone | 0.479 | 0.445 | 7.1 | 91 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.339 | 0.338 | 0.3 | 98 | 0.00 |
| 24 | | Nitrobenzene | 0.382 | 0.373 | 2.4 | 95 | 0.00 |
| 25 | | Isophorone | 0.734 | 0.666 | 9.3 | 90 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.157 | 0.186 | -18.5 | 114 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.300 | 0.264 | 12.0 | 88 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.452 | 0.418 | 7.5 | 92 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.298 | 0.295 | 1.0 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.332 | 0.323 | 2.7 | 96 | 0.00 |
| 31 | | Naphthalene | 0.993 | 0.954 | 3.9 | 94 | 0.00 |
| 32 | | Benzoic acid | 0.205 | 0.167 | 18.5 | 76 | 0.00 |
| 33 | | 4-Chloroaniline | 0.443 | 0.426 | 3.8 | 94 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.188 | 0.189 | -0.5 | 98 | 0.00 |
| 35 | | Caprolactam | 0.097 | 0.093 | 4.1 | 92 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.316 | 0.308 | 2.5 | 94 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.664 | 0.633 | 4.7 | 92 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.634 | 0.607 | 4.3 | 93 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.575 | 0.576 | -0.2 | 96 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.333 | 0.320 | 3.9 | 93 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.221 | 0.230 | -4.1 | 98 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.419 | 0.422 | -0.7 | 97 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.434 | 0.431 | 0.7 | 95 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.140 | 1.144 | -0.4 | 92 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.572 | 1.537 | 2.2 | 95 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.299 | 1.279 | 1.5 | 95 | 0.00 |
| 48 | | 2-Nitroaniline | 0.382 | 0.405 | -6.0 | 98 | 0.00 |
| 49 | | Acenaphthylene | 1.967 | 1.914 | 2.7 | 94 | 0.00 |
| 50 | | Dimethylphthalate | 1.501 | 1.462 | 2.6 | 93 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.326 | 0.343 | -5.2 | 99 | 0.00 |
| 52 | C | Acenaphthene | 1.238 | 1.220 | 1.5 | 94 | 0.00 |
| 53 | | 3-Nitroaniline | 0.378 | 0.401 | -6.1 | 98 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.114 | 0.155 | -36.0# | 130 | 0.00 |
| 55 | | Dibenzofuran | 1.744 | 1.704 | 2.3 | 94 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.293 | 0.309 | -5.5 | 97 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.414 | 0.453 | -9.4 | 101 | 0.00 |
| 58 | | Fluorene | 1.375 | 1.243 | 9.6 | 92 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.375 | 0.374 | 0.3 | 93 | 0.00 |
| 60 | | Diethylphthalate | 1.478 | 1.404 | 5.0 | 90 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.671 | 0.646 | 3.7 | 95 | 0.00 |
| 62 | | 4-Nitroaniline | 0.371 | 0.388 | -4.6 | 96 | 0.00 |
| 63 | | Azobenzene | 1.523 | 1.400 | 8.1 | 87 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.087 | 0.114 | -31.0# | 120 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.630 | 0.613 | 2.7 | 92 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.222 | 0.9 | 94 | 0.00 |
| 68 | | Hexachlorobenzene | 0.252 | 0.253 | -0.4 | 95 | 0.00 |
| 69 | | Atrazine | 0.195 | 0.197 | -1.0 | 91 | 0.00 |
| 70 | C | Pentachlorophenol | 0.153 | 0.158 | -3.3 | 94 | 0.00 |
| 71 | | Phenanthrene | 1.052 | 1.013 | 3.7 | 91 | 0.00 |
| 72 | | Anthracene | 1.055 | 1.031 | 2.3 | 92 | 0.00 |
| 73 | | Carbazole | 0.965 | 0.940 | 2.6 | 91 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.166 | 1.112 | 4.6 | 89 | 0.00 |
| 75 | C | Fluoranthene | 1.108 | 1.072 | 3.2 | 90 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 77 | | Benzidine | 0.780 | 0.730 | 6.4 | 81 | 0.00 |
| 78 | | Pyrene | 1.555 | 1.600 | -2.9 | 90 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.977 | 1.004 | -2.8 | 92 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.680 | 0.677 | 0.4 | 85 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.281 | 1.282 | -0.1 | 87 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.465 | 0.479 | -3.0 | 84 | 0.00 |
| 83 | | Chrysene | 1.317 | 1.306 | 0.8 | 85 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.842 | 0.828 | 1.7 | 87 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.498 | 1.380 | 7.9 | 78 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.140 | 1.182 | -3.7 | 91 | -0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 79 | -0.02 |

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| 88 | Benzo(b)fluoranthene | 1.302 | 1.210 | 7.1 | 74 | -0.02 |
| 89 | Benzo(k)fluoranthene | 1.158 | 1.169 | -0.9 | 85 | -0.02 |
| 90 C | Benzo(a)pyrene | 1.123 | 1.088 | 3.1 | 79 | -0.02 |
| 91 | Dibenzo(a,h)anthracene | 0.960 | 1.004 | -4.6 | 90 | -0.03 |
| 92 | Benzo(g,h,i)perylene | 0.908 | 0.987 | -8.7 | 97 | -0.03 |

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