# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040819\
Data File : BF113641.D
Acq On : 8 Apr 2019 15:53
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 09 09:01:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 04 04:05:31 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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 0.555 | 0.527 | 5.0 | 92 | -0.01 |
| 3 | | Pyridine | 1.454 | 1.416 | 2.6 | 91 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.618 | 0.600 | 2.9 | 92 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.173 | 1.192 | -1.6 | 96 | 0.00 |
| 6 | | Aniline | 1.752 | 1.789 | -2.1 | 93 | 0.00 |
| 7 | S | Phenol-d6 | 1.446 | 1.443 | 0.2 | 94 | 0.00 |
| 8 | | 2-Chlorophenol | 1.357 | 1.392 | -2.6 | 97 | 0.00 |
| 9 | | Benzaldehyde | 0.860 | 0.875 | -1.7 | 91 | 0.00 |
| 10 | C | Phenol | 1.651 | 1.686 | -2.1 | 97 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.284 | 1.284 | 0.0 | 95 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.461 | 1.464 | -0.2 | 95 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.477 | 1.491 | -0.9 | 95 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.333 | 1.364 | -2.3 | 96 | 0.00 |
| 15 | | Benzyl Alcohol | 0.977 | 0.913 | 6.6 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.999 | 1.967 | 1.6 | 92 | 0.00 |
| 17 | | 2-Methylphenol | 1.052 | 1.110 | -5.5 | 100 | 0.00 |
| 18 | | Hexachloroethane | 0.538 | 0.537 | 0.2 | 94 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.891 | 0.902 | -1.2 | 95 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.274 | 1.372 | -7.7 | 100 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 0.439 | 0.443 | -0.9 | 96 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.341 | 0.339 | 0.6 | 95 | 0.00 |
| 24 | | Nitrobenzene | 0.352 | 0.355 | -0.9 | 95 | 0.00 |
| 25 | | Isophorone | 0.658 | 0.653 | 0.8 | 95 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.189 | 0.193 | -2.1 | 96 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.271 | 0.268 | 1.1 | 95 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.416 | 0.415 | 0.2 | 94 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.289 | 0.299 | -3.5 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.314 | 0.312 | 0.6 | 94 | 0.00 |
| 31 | | Naphthalene | 0.969 | 0.969 | 0.0 | 94 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.172 | 17.7 | 77 | 0.01 |
| 33 | | 4-Chloroaniline | 0.384 | 0.406 | -5.7 | 97 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.192 | 0.197 | -2.6 | 97 | 0.00 |
| 35 | | Caprolactam | 0.092 | 0.095 | -3.3 | 94 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.291 | 0.301 | -3.4 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.637 | 0.639 | -0.3 | 95 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.615 | 0.617 | -0.3 | 94 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.647 | 0.651 | -0.6 | 95 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.192 | 0.168 | 12.5 | 92 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.240 | 0.248 | -3.3 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.408 | 0.401 | 1.7 | 92 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.438 | 0.445 | -1.6 | 95 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.242 | 1.271 | -2.3 | 92 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.650 | 1.652 | -0.1 | 94 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.250 | 1.252 | -0.2 | 95 | 0.00 |
| 48 | | 2-Nitroaniline | 0.382 | 0.388 | -1.6 | 95 | 0.00 |
| 49 | | Acenaphthylene | 2.032 | 2.043 | -0.5 | 93 | 0.00 |
| 50 | | Dimethylphthalate | 1.474 | 1.448 | 1.8 | 93 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.325 | 0.326 | -0.3 | 93 | 0.00 |
| 52 | C | Acenaphthene | 1.163 | 1.169 | -0.5 | 95 | 0.00 |
| 53 | | 3-Nitroaniline | 0.369 | 0.374 | -1.4 | 94 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.152 | 0.131 | 13.8 | 76 | 0.00 |
| 55 | | Dibenzofuran | 1.706 | 1.708 | -0.1 | 93 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.229 | 0.200 | 12.7 | 80 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.393 | 0.399 | -1.5 | 93 | 0.00 |
| 58 | | Fluorene | 1.349 | 1.369 | -1.5 | 95 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.379 | 0.393 | -3.7 | 96 | 0.00 |
| 60 | | Diethylphthalate | 1.421 | 1.431 | -0.7 | 93 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.664 | 0.685 | -3.2 | 96 | 0.00 |
| 62 | | 4-Nitroaniline | 0.376 | 0.372 | 1.1 | 92 | 0.00 |
| 63 | | Azobenzene | 1.346 | 1.356 | -0.7 | 94 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.105 | 0.101 | 3.8 | 89 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.614 | 0.629 | -2.4 | 95 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.224 | 0.232 | -3.6 | 94 | 0.00 |
| 68 | | Hexachlorobenzene | 0.257 | 0.262 | -1.9 | 93 | 0.00 |
| 69 | | Atrazine | 0.194 | 0.196 | -1.0 | 92 | 0.00 |
| 70 | C | Pentachlorophenol | 0.121 | 0.101 | 16.5 | 77 | 0.00 |
| 71 | | Phenanthrene | 0.994 | 0.997 | -0.3 | 91 | 0.00 |
| 72 | | Anthracene | 1.011 | 1.026 | -1.5 | 93 | 0.00 |
| 73 | | Carbazole | 0.946 | 0.958 | -1.3 | 92 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.125 | 1.110 | 1.3 | 88 | -0.01 |
| 75 | C | Fluoranthene | 1.065 | 1.045 | 1.9 | 88 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 80 | -0.01 |
| 77 | | Benzidine | 0.744 | 0.754 | -1.3 | 82 | 0.00 |
| 78 | | Pyrene | 1.522 | 1.653 | -8.6 | 88 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.982 | 1.061 | -8.0 | 87 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.619 | 0.628 | -1.5 | 80 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.154 | 1.198 | -3.8 | 82 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.444 | 0.448 | -0.9 | 78 | 0.00 |
| 83 | | Chrysene | 1.170 | 1.143 | 2.3 | 79 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.749 | 0.772 | -3.1 | 81 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.217 | 1.157 | 4.9 | 76 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.080 | 1.247 | -15.5 | 106 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 88 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.224 | 1.139 | 6.9 | 83 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.099 | 1.094 | 0.5 | 82 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.088 | 1.085 | 0.3 | 87 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.017 | 1.175 | -15.5 | 106 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.038 | 1.231 | -18.6 | 111 | 0.00 |

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