# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116141.D
Acq On : 10 Aug 2019 10:54
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 12 00:53:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 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 | 87 | 0.00 |
| 2 | | 1,4-Dioxane | 0.604 | 0.620 | -2.6 | 92 | -0.02 |
| 3 | | Pyridine | 1.686 | 1.574 | 6.6 | 83 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.665 | 0.631 | 5.1 | 84 | -0.04 |
| 5 | S | 2-Fluorophenol | 1.195 | 1.307 | -9.4 | 94 | 0.00 |
| 6 | | Aniline | 2.159 | 2.178 | -0.9 | 87 | -0.01 |
| 7 | S | Phenol-d6 | 1.507 | 1.601 | -6.2 | 93 | 0.00 |
| 8 | | 2-Chlorophenol | 1.321 | 1.457 | -10.3 | 95 | -0.01 |
| 9 | | Benzaldehyde | 1.040 | 1.007 | 3.2 | 84 | 0.00 |
| 10 | C | Phenol | 1.775 | 1.881 | -6.0 | 92 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.305 | 1.402 | -7.4 | 94 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.527 | 1.630 | -6.7 | 93 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.529 | 1.628 | -6.5 | 92 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.408 | 1.516 | -7.7 | 91 | -0.01 |
| 15 | | Benzyl Alcohol | 1.144 | 1.193 | -4.3 | 88 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.780 | 1.896 | -6.5 | 91 | 0.00 |
| 17 | | 2-Methylphenol | 1.119 | 1.181 | -5.5 | 93 | 0.00 |
| 18 | | Hexachloroethane | 0.563 | 0.608 | -8.0 | 93 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.934 | 0.989 | -5.9 | 93 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.324 | 1.464 | -10.6 | 94 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 22 | | Acetophenone | 0.439 | 0.455 | -3.6 | 93 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.346 | 0.354 | -2.3 | 92 | -0.01 |
| 24 | | Nitrobenzene | 0.374 | 0.397 | -6.1 | 95 | -0.01 |
| 25 | | Isophorone | 0.663 | 0.694 | -4.7 | 95 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.176 | 0.194 | -10.2 | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.265 | 0.273 | -3.0 | 92 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.411 | 0.440 | -7.1 | 97 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.280 | 0.305 | -8.9 | 96 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.319 | 0.333 | -4.4 | 93 | 0.00 |
| 31 | | Naphthalene | 0.941 | 0.998 | -6.1 | 94 | 0.00 |
| 32 | | Benzoic acid | 0.187 | 0.173 | 7.5 | 91 | -0.02 |
| 33 | | 4-Chloroaniline | 0.421 | 0.438 | -4.0 | 93 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.184 | 0.194 | -5.4 | 94 | -0.01 |
| 35 | | Caprolactam | 0.091 | 0.092 | -1.1 | 91 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.291 | 0.315 | -8.2 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.620 | 0.662 | -6.8 | 95 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.586 | 0.624 | -6.5 | 95 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 90 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.535 | 0.580 | -8.4 | 96 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.209 | 0.208 | 0.5 | 86 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.194 | 0.206 | -6.2 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.368 | 0.366 | 0.5 | 88 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.380 | 0.384 | -1.1 | 90 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.068 | 1.128 | -5.6 | 93 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.412 | 1.508 | -6.8 | 94 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.175 | 1.231 | -4.8 | 93 | -0.01 |
| 48 | | 2-Nitroaniline | 0.388 | 0.403 | -3.9 | 93 | -0.01 |
| 49 | | Acenaphthylene | 1.715 | 1.835 | -7.0 | 94 | 0.00 |
| 50 | | Dimethylphthalate | 1.362 | 1.441 | -5.8 | 94 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.296 | 0.314 | -6.1 | 94 | -0.01 |
| 52 | C | Acenaphthene | 1.052 | 1.105 | -5.0 | 92 | -0.01 |
| 53 | | 3-Nitroaniline | 0.366 | 0.371 | -1.4 | 91 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.126 | 0.137 | -8.7 | 95 | 0.00 |
| 55 | | Dibenzofuran | 1.530 | 1.589 | -3.9 | 91 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.234 | 0.225 | 3.8 | 85 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.394 | 0.401 | -1.8 | 89 | 0.00 |
| 58 | | Fluorene | 1.177 | 1.277 | -8.5 | 95 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.320 | 0.323 | -0.9 | 90 | 0.00 |
| 60 | | Diethylphthalate | 1.271 | 1.368 | -7.6 | 95 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.596 | 0.650 | -9.1 | 95 | -0.01 |
| 62 | | 4-Nitroaniline | 0.378 | 0.385 | -1.9 | 90 | -0.01 |
| 63 | | Azobenzene | 1.308 | 1.394 | -6.6 | 94 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.106 | 0.114 | -7.5 | 92 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.602 | 0.643 | -6.8 | 94 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.214 | 0.235 | -9.8 | 95 | 0.00 |
| 68 | | Hexachlorobenzene | 0.248 | 0.262 | -5.6 | 92 | 0.00 |
| 69 | | Atrazine | 0.198 | 0.165 | 16.7 | 73 | -0.01 |
| 70 | C | Pentachlorophenol | 0.120 | 0.103 | 14.2 | 73 | 0.00 |
| 71 | | Phenanthrene | 1.022 | 1.086 | -6.3 | 92 | -0.01 |
| 72 | | Anthracene | 1.035 | 1.119 | -8.1 | 95 | 0.00 |
| 73 | | Carbazole | 0.939 | 1.038 | -10.5 | 96 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.095 | 1.253 | -14.4 | 97 | 0.00 |
| 75 | C | Fluoranthene | 1.070 | 1.159 | -8.3 | 95 | -0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 77 | | Benzidine | 0.676 | 0.698 | -3.3 | 84 | 0.00 |
| 78 | | Pyrene | 1.508 | 1.572 | -4.2 | 93 | -0.01 |
| 79 | S | Terphenyl-d14 | 0.949 | 1.005 | -5.9 | 94 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.638 | 0.711 | -11.4 | 96 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.278 | 1.376 | -7.7 | 94 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.444 | 0.473 | -6.5 | 91 | 0.00 |
| 83 | | Chrysene | 1.241 | 1.322 | -6.5 | 93 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.829 | 0.994 | -19.9 | 103 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.316 | 1.555 | -18.2 | 100 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.042 | 1.032 | 1.0 | 90 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.156 | 1.207 | -4.4 | 85 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.126 | 1.239 | -10.0 | 98 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.034 | 1.103 | -6.7 | 91 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 0.895 | 0.922 | -3.0 | 91 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 0.879 | 0.890 | -1.3 | 93 | 0.00 |

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