# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107580.D
Acq On : 23 Jul 2018 11:39
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 23 13:47:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
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 | 90 | 0.00 |
| 2 | | 1,4-Dioxane | 0.579 | 0.521 | 10.0 | 80 | -0.02 |
| 3 | | Pyridine | 1.575 | 1.331 | 15.5 | 75 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.664 | 0.567 | 14.6 | 78 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.244 | 1.148 | 7.7 | 81 | 0.00 |
| 6 | | Aniline | 1.926 | 1.805 | 6.3 | 84 | 0.00 |
| 7 | S | Phenol-d6 | 1.494 | 1.384 | 7.4 | 85 | 0.00 |
| 8 | | 2-Chlorophenol | 1.333 | 1.295 | 2.9 | 87 | 0.00 |
| 9 | | Benzaldehyde | 0.977 | 0.917 | 6.1 | 91 | 0.00 |
| 10 | C | Phenol | 1.757 | 1.579 | 10.1 | 82 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.456 | 1.378 | 5.4 | 83 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.511 | 1.432 | 5.2 | 87 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.549 | 1.507 | 2.7 | 89 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.390 | 1.315 | 5.4 | 87 | 0.00 |
| 15 | | Benzyl Alcohol | 1.018 | 1.025 | -0.7 | 88 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.457 | 2.174 | 11.5 | 81 | 0.00 |
| 17 | | 2-Methylphenol | 1.133 | 1.073 | 5.3 | 85 | 0.00 |
| 18 | | Hexachloroethane | 0.543 | 0.519 | 4.4 | 84 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.965 | 0.878 | 9.0 | 86 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.345 | 1.275 | 5.2 | 86 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 22 | | Acetophenone | 0.470 | 0.433 | 7.9 | 89 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.296 | 0.324 | -9.5 | 96 | 0.00 |
| 24 | | Nitrobenzene | 0.339 | 0.351 | -3.5 | 90 | 0.00 |
| 25 | | Isophorone | 0.633 | 0.540 | 14.7 | 79 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.143 | 0.184 | -28.7# | 110 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.271 | 0.247 | 8.9 | 84 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.423 | 0.376 | 11.1 | 83 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.277 | 0.277 | 0.0 | 88 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.311 | 0.293 | 5.8 | 87 | 0.00 |
| 31 | | Naphthalene | 0.879 | 0.817 | 7.1 | 89 | 0.00 |
| 32 | | Benzoic acid | 0.166 | 0.043 | 74.1# | 22# | -0.06 |
| 33 | | 4-Chloroaniline | 0.384 | 0.395 | -2.9 | 101 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.175 | 5.4 | 88 | 0.00 |
| 35 | | Caprolactam | 0.090 | 0.081 | 10.0 | 80 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.308 | 0.299 | 2.9 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.609 | 0.567 | 6.9 | 89 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.667 | 0.650 | 2.5 | 90 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.339 | 0.331 | 2.4 | 84 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.227 | 0.237 | -4.4 | 90 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.427 | 0.426 | 0.2 | 86 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.446 | 0.475 | -6.5 | 92 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.315 | 1.245 | 5.3 | 94 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.742 | 1.675 | 3.8 | 91 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.332 | 1.272 | 4.5 | 89 | 0.00 |
| 47 | | 2-Nitroaniline | 0.388 | 0.458 | -18.0 | 100 | 0.00 |
| 48 | | Acenaphthylene | 2.000 | 1.911 | 4.4 | 90 | 0.00 |
| 49 | | Dimethylphthalate | 1.507 | 1.393 | 7.6 | 86 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.299 | 0.324 | -8.4 | 94 | 0.00 |
| 51 | C | Acenaphthene | 1.253 | 1.221 | 2.6 | 89 | 0.00 |
| 52 | | 3-Nitroaniline | 0.364 | 0.393 | -8.0 | 95 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.096 | 0.095 | 1.0 | 87 | 0.00 |
| 54 | | Dibenzofuran | 1.845 | 1.745 | 5.4 | 90 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.273 | 0.268 | 1.8 | 84 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.361 | 0.409 | -13.3 | 96 | 0.00 |
| 57 | | Fluorene | 1.316 | 1.292 | 1.8 | 90 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.371 | 0.372 | -0.3 | 87 | 0.00 |
| 59 | | Diethylphthalate | 1.574 | 1.425 | 9.5 | 85 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.744 | 0.707 | 5.0 | 90 | 0.00 |
| 61 | | 4-Nitroaniline | 0.306 | 0.377 | -23.2 | 105 | 0.00 |
| 62 | | Azobenzene | 1.476 | 1.349 | 8.6 | 83 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.084 | 0.076 | 9.5 | 78 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.679 | 0.628 | 7.5 | 88 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.235 | 0.218 | 7.2 | 87 | 0.00 |
| 67 | | Hexachlorobenzene | 0.259 | 0.243 | 6.2 | 89 | 0.00 |
| 68 | | Atrazine | 0.207 | 0.194 | 6.3 | 86 | 0.00 |
| 69 | C | Pentachlorophenol | 0.162 | 0.163 | -0.6 | 90 | 0.00 |
| 70 | | Phenanthrene | 0.975 | 0.888 | 8.9 | 89 | 0.00 |
| 71 | | Anthracene | 0.981 | 0.942 | 4.0 | 94 | 0.00 |
| 72 | | Carbazole | 1.020 | 0.965 | 5.4 | 93 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.155 | 1.016 | 12.0 | 86 | 0.00 |
| 74 | C | Fluoranthene | 1.046 | 0.939 | 10.2 | 87 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 76 | | Benzidine | 0.576 | 0.660 | -14.6 | 96 | 0.00 |
| 77 | | Pyrene | 1.368 | 1.410 | -3.1 | 87 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.781 | 0.850 | -8.8 | 92 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.588 | 0.627 | -6.6 | 80 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.172 | 1.107 | 5.5 | 78 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.371 | 0.406 | -9.4 | 92 | 0.00 |
| 82 | | Chrysene | 1.126 | 1.081 | 4.0 | 81 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.830 | 0.757 | 8.8 | 75 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.290 | 1.208 | 6.4 | 73 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.954 | 1.038 | -8.8 | 96 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.095 | 1.003 | 8.4 | 76 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.072 | 0.970 | 9.5 | 78 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.001 | 0.950 | 5.1 | 80 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.866 | 0.948 | -9.5 | 97 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.854 | 0.960 | -12.4 | 99 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1