# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF102517\
Data File : BF099832.D
Acq On : 26 Oct 2017 00:02
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 26 04:02:56 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 17:02:52 2017
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 | 63 | 0.00 |
| 2 | | 1,4-Dioxane | 0.563 | 0.582 | -3.4 | 65 | -0.05 |
| 3 | | Pyridine | 1.353 | 1.362 | -0.7 | 59 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 0.483 | 0.508 | -5.2 | 61 | -0.05 |
| 5 | S | 2-Fluorophenol | 1.274 | 1.348 | -5.8 | 65 | 0.00 |
| 6 | | Aniline | 1.959 | 2.008 | -2.5 | 64 | 0.00 |
| 7 | S | Phenol-d6 | 1.511 | 1.559 | -3.2 | 65 | 0.00 |
| 8 | | 2-Chlorophenol | 1.358 | 1.424 | -4.9 | 64 | 0.00 |
| 9 | | Benzaldehyde | 0.903 | 0.950 | -5.2 | 65 | 0.00 |
| 10 | C | Phenol | 1.658 | 1.716 | -3.5 | 64 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.281 | 1.323 | -3.3 | 63 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.524 | 1.584 | -3.9 | 65 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.547 | 1.603 | -3.6 | 65 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.410 | 1.476 | -4.7 | 66 | 0.00 |
| 15 | | Benzyl Alcohol | 0.961 | 1.004 | -4.5 | 66 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.423 | 1.225 | 13.9 | 54 | 0.00 |
| 17 | | 2-Methylphenol | 1.136 | 1.186 | -4.4 | 65 | 0.00 |
| 18 | | Hexachloroethane | 0.516 | 0.464 | 10.1 | 56 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.885 | 0.908 | -2.6 | 65 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.322 | 1.441 | -9.0 | 70 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 63 | 0.00 |
| 22 | | Acetophenone | 0.455 | 0.471 | -3.5 | 67 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.311 | 0.312 | -0.3 | 64 | 0.00 |
| 24 | | Nitrobenzene | 0.313 | 0.318 | -1.6 | 63 | 0.00 |
| 25 | | Isophorone | 0.564 | 0.547 | 3.0 | 61 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.165 | 7.8 | 55 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.264 | 0.271 | -2.7 | 64 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.395 | 0.393 | 0.5 | 63 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.279 | -1.8 | 63 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.293 | 0.291 | 0.7 | 62 | 0.00 |
| 31 | | Naphthalene | 0.965 | 0.971 | -0.6 | 64 | 0.00 |
| 32 | | Benzoic acid | 0.233 | 0.187 | 19.7 | 51 | -0.01 |
| 33 | | 4-Chloroaniline | 0.399 | 0.409 | -2.5 | 64 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.151 | 0.152 | -0.7 | 64 | 0.00 |
| 35 | | Caprolactam | 0.086 | 0.085 | 1.2 | 61 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.280 | 0.271 | 3.2 | 61 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.647 | 0.647 | 0.0 | 64 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 60 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.646 | 0.673 | -4.2 | 63 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.093 | 0.001# | 98.9# | 1# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.182 | 0.186 | -2.2 | 62 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.391 | 0.415 | -6.1 | 65 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.415 | 0.434 | -4.6 | 61 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.296 | 1.414 | -9.1 | 65 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.809 | 1.868 | -3.3 | 63 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.314 | 1.331 | -1.3 | 61 | 0.00 |
| 47 | | 2-Nitroaniline | 0.345 | 0.358 | -3.8 | 61 | 0.00 |
| 48 | | Acenaphthylene | 2.024 | 2.100 | -3.8 | 63 | 0.00 |
| 49 | | Dimethylphthalate | 1.584 | 1.596 | -0.8 | 61 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.333 | 0.332 | 0.3 | 59 | 0.00 |
| 51 | C | Acenaphthene | 1.237 | 1.252 | -1.2 | 62 | 0.00 |
| 52 | | 3-Nitroaniline | 0.392 | 0.423 | -7.9 | 64 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.114 | 0.005# | 95.6# | 2# | 0.04 |
| 54 | | Dibenzofuran | 1.746 | 1.812 | -3.8 | 64 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.205 | 0.201 | 2.0 | 56 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.401 | 0.405 | -1.0 | 60 | 0.00 |
| 57 | | Fluorene | 1.445 | 1.485 | -2.8 | 63 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.291 | 0.295 | -1.4 | 60 | 0.00 |
| 59 | | Diethylphthalate | 1.547 | 1.563 | -1.0 | 61 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.680 | 0.708 | -4.1 | 64 | 0.00 |
| 61 | | 4-Nitroaniline | 0.374 | 0.406 | -8.6 | 64 | 0.00 |
| 62 | | Azobenzene | 1.297 | 1.273 | 1.9 | 59 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 60 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.017 | 86.5# | 8# | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.738 | 0.751 | -1.8 | 62 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.211 | 0.208 | 1.4 | 60 | 0.00 |
| 67 | | Hexachlorobenzene | 0.215 | 0.210 | 2.3 | 59 | 0.00 |
| 68 | | Atrazine | 0.222 | 0.217 | 2.3 | 58 | 0.00 |
| 69 | C | Pentachlorophenol | 0.092 | 0.091 | 1.1 | 59 | 0.00 |
| 70 | | Phenanthrene | 1.129 | 1.119 | 0.9 | 61 | 0.00 |
| 71 | | Anthracene | 1.146 | 1.146 | 0.0 | 61 | 0.00 |
| 72 | | Carbazole | 1.077 | 1.086 | -0.8 | 61 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.374 | 1.392 | -1.3 | 61 | 0.00 |
| 74 | C | Fluoranthene | 1.173 | 1.147 | 2.2 | 60 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 59 | 0.00 |
| 76 | | Benzidine | 0.875 | 0.851 | 2.7 | 59 | 0.01 |
| 77 | | Pyrene | 1.521 | 1.545 | -1.6 | 60 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.915 | 0.945 | -3.3 | 62 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.749 | 0.763 | -1.9 | 58 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.268 | 1.258 | 0.8 | 58 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.460 | 0.489 | -6.3 | 62 | 0.00 |
| 82 | | Chrysene | 1.192 | 1.153 | 3.3 | 57 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 1.052 | 1.085 | -3.1 | 62 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.805 | 1.815 | -0.6 | 58 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.094 | 0.901 | 17.6 | 51 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 58 | 0.01 |
| 87 | | Benzo(b)fluoranthene | 1.263 | 1.337 | -5.9 | 64 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.191 | 1.182 | 0.8 | 54 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.134 | 1.145 | -1.0 | 58 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.008 | 0.875 | 13.2 | 52 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.986 | 0.777 | 21.2 | 47# | 0.01 |

(#) = Out of Range SPCC's out = 2 CCC's out = 0