# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF102517\
Data File : BF099834.D
Acq On : 26 Oct 2017 1:54
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 26 04:05:13 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 | 67 | 0.00 |
| 2 | | 1,4-Dioxane | 0.563 | 0.541 | 3.9 | 64 | -0.04 |
| 3 | | Pyridine | 1.353 | 1.383 | -2.2 | 63 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 0.483 | 0.456 | 5.6 | 58 | -0.05 |
| 5 | S | 2-Fluorophenol | 1.274 | 1.287 | -1.0 | 66 | 0.00 |
| 6 | | Aniline | 1.959 | 1.956 | 0.2 | 66 | 0.00 |
| 7 | S | Phenol-d6 | 1.511 | 1.516 | -0.3 | 67 | 0.00 |
| 8 | | 2-Chlorophenol | 1.358 | 1.380 | -1.6 | 66 | 0.00 |
| 9 | | Benzaldehyde | 0.903 | 0.909 | -0.7 | 67 | 0.00 |
| 10 | C | Phenol | 1.658 | 1.670 | -0.7 | 66 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.281 | 1.284 | -0.2 | 65 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.524 | 1.523 | 0.1 | 67 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.547 | 1.566 | -1.2 | 67 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.410 | 1.422 | -0.9 | 67 | 0.00 |
| 15 | | Benzyl Alcohol | 0.961 | 0.969 | -0.8 | 68 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.423 | 1.414 | 0.6 | 66 | 0.00 |
| 17 | | 2-Methylphenol | 1.136 | 1.142 | -0.5 | 66 | 0.00 |
| 18 | | Hexachloroethane | 0.516 | 0.458 | 11.2 | 59 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.885 | 0.892 | -0.8 | 68 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.322 | 1.380 | -4.4 | 71 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 65 | 0.00 |
| 22 | | Acetophenone | 0.455 | 0.468 | -2.9 | 69 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.311 | 0.307 | 1.3 | 65 | 0.00 |
| 24 | | Nitrobenzene | 0.313 | 0.315 | -0.6 | 64 | 0.00 |
| 25 | | Isophorone | 0.564 | 0.553 | 2.0 | 64 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.169 | 5.6 | 59 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.264 | 0.268 | -1.5 | 66 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.395 | 0.390 | 1.3 | 65 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.280 | -2.2 | 66 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.293 | 0.288 | 1.7 | 63 | 0.00 |
| 31 | | Naphthalene | 0.965 | 0.962 | 0.3 | 65 | 0.00 |
| 32 | | Benzoic acid | 0.233 | 0.174 | 25.3# | 49# | -0.01 |
| 33 | | 4-Chloroaniline | 0.399 | 0.403 | -1.0 | 65 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.151 | 0.153 | -1.3 | 67 | 0.00 |
| 35 | | Caprolactam | 0.086 | 0.086 | 0.0 | 64 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.280 | 0.270 | 3.6 | 63 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.647 | 0.641 | 0.9 | 66 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 63 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.646 | 0.672 | -4.0 | 65 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.093 | 0.003# | 96.8# | 2# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.182 | 0.179 | 1.6 | 62 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.391 | 0.402 | -2.8 | 65 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.415 | 0.430 | -3.6 | 62 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.296 | 1.390 | -7.3 | 66 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.809 | 1.861 | -2.9 | 65 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.314 | 1.312 | 0.2 | 63 | 0.00 |
| 47 | | 2-Nitroaniline | 0.345 | 0.350 | -1.4 | 62 | 0.00 |
| 48 | | Acenaphthylene | 2.024 | 2.043 | -0.9 | 64 | 0.00 |
| 49 | | Dimethylphthalate | 1.584 | 1.584 | 0.0 | 63 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.333 | 0.331 | 0.6 | 61 | 0.00 |
| 51 | C | Acenaphthene | 1.237 | 1.240 | -0.2 | 64 | 0.00 |
| 52 | | 3-Nitroaniline | 0.392 | 0.407 | -3.8 | 64 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.114 | 0.007# | 93.9# | 4# | 0.03 |
| 54 | | Dibenzofuran | 1.746 | 1.758 | -0.7 | 65 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.205 | 0.189 | 7.8 | 55 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.401 | 0.397 | 1.0 | 62 | 0.00 |
| 57 | | Fluorene | 1.445 | 1.440 | 0.3 | 64 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.291 | 0.287 | 1.4 | 61 | 0.00 |
| 59 | | Diethylphthalate | 1.547 | 1.529 | 1.2 | 63 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.680 | 0.669 | 1.6 | 63 | 0.00 |
| 61 | | 4-Nitroaniline | 0.374 | 0.384 | -2.7 | 63 | 0.00 |
| 62 | | Azobenzene | 1.297 | 1.256 | 3.2 | 60 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 59 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.025 | 80.2# | 11# | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.738 | 0.772 | -4.6 | 64 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.211 | 0.216 | -2.4 | 62 | 0.00 |
| 67 | | Hexachlorobenzene | 0.215 | 0.217 | -0.9 | 60 | 0.00 |
| 68 | | Atrazine | 0.222 | 0.225 | -1.4 | 59 | 0.00 |
| 69 | C | Pentachlorophenol | 0.092 | 0.087 | 5.4 | 56 | 0.00 |
| 70 | | Phenanthrene | 1.129 | 1.152 | -2.0 | 62 | 0.00 |
| 71 | | Anthracene | 1.146 | 1.175 | -2.5 | 63 | 0.00 |
| 72 | | Carbazole | 1.077 | 1.101 | -2.2 | 62 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.374 | 1.407 | -2.4 | 61 | 0.00 |
| 74 | C | Fluoranthene | 1.173 | 1.176 | -0.3 | 61 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 60 | 0.00 |
| 76 | | Benzidine | 0.875 | 0.855 | 2.3 | 60 | 0.00 |
| 77 | | Pyrene | 1.521 | 1.542 | -1.4 | 61 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.915 | 0.927 | -1.3 | 62 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.749 | 0.751 | -0.3 | 58 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.268 | 1.266 | 0.2 | 59 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.460 | 0.486 | -5.7 | 62 | 0.00 |
| 82 | | Chrysene | 1.192 | 1.155 | 3.1 | 58 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 1.052 | 1.056 | -0.4 | 61 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.805 | 1.797 | 0.4 | 58 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.094 | 0.929 | 15.1 | 53 | 0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 59 | 0.01 |
| 87 | | Benzo(b)fluoranthene | 1.263 | 1.310 | -3.7 | 64 | 0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.191 | 1.220 | -2.4 | 57 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.134 | 1.155 | -1.9 | 60 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.008 | 0.912 | 9.5 | 55 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 0.986 | 0.809 | 18.0 | 50# | 0.01 |

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