# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080229.D
Acq On : 30 Jun 2015 4:10
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 30 12:26:56 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 2015
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 96 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 38.508 | 3.7 | 92 | -0.06 |
| 3 | | Pyridine | 40.000 | 44.797 | -12.0 | 107 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.120 | 12.2 | 79 | -0.05 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.141 | -3.9 | 97 | -0.02 |
| 6 | | Aniline | 40.000 | 42.596 | -6.5 | 97 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 84.230 | -5.3 | 94 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 39.265 | 1.8 | 90 | -0.03 |
| 9 | | Benzaldehyde | 40.000 | 36.000 | 10.0 | 83 | -0.03 |
| 10 | C | Phenol | 40.000 | 42.732 | -6.8 | 98 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.038 | 7.4 | 86 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.561 | 3.6 | 89 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 44.825 | -12.1 | 105 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.843 | 2.9 | 90 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 37.399 | 6.5 | 86 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.180 | -10.4 | 107 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 41.282 | -3.2 | 93 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 42.027 | -5.1 | 96 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.729 | -1.8 | 101 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.655 | -4.1 | 96 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 96 | -0.03 |
| 22 | | Acetophenone | 40.000 | 37.372 | 6.6 | 84 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.549 | -5.7 | 97 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 42.636 | -6.6 | 99 | -0.02 |
| 25 | | Isophorone | 40.000 | 36.804 | 8.0 | 85 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 49.329 | -23.3# | 115 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.263 | -5.7 | 103 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.471 | 8.8 | 84 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 45.675 | -14.2 | 104 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 44.313 | -10.8 | 104 | -0.02 |
| 31 | | Naphthalene | 40.000 | 37.316 | 6.7 | 86 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 37.727 | 5.7 | 87 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 35.127 | 12.2 | 86 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.490 | -1.2 | 100 | -0.02 |
| 35 | | Caprolactam | 40.000 | 41.659 | -4.1 | 92 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.900 | 0.3 | 90 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.092 | -5.2 | 97 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 93 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 45.707 | -14.3 | 103 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 29.735 | 25.7# | 64 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.970 | -5.0 | 94 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 45.952 | -14.9 | 101 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.309 | 1.7 | 86 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 73.894 | 7.6 | 84 | -0.03 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.039 | 4.9 | 87 | -0.03 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.359 | -0.9 | 89 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 40.817 | -2.0 | 86 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 41.380 | -3.5 | 89 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 41.577 | -3.9 | 96 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.015 | -0.0 | 84 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 38.469 | 3.8 | 86 | -0.03 |
| 52 | | 3-Nitroaniline | 40.000 | 43.049 | -7.6 | 92 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 41.471 | -3.7 | 96 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 38.671 | 3.3 | 87 | -0.03 |
| 55 | P | 4-Nitrophenol | 40.000 | 37.081 | 7.3 | 86 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 44.605 | -11.5 | 99 | -0.02 |
| 57 | | Fluorene | 40.000 | 40.663 | -1.7 | 92 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.558 | 3.6 | 83 | -0.03 |
| 59 | | Diethylphthalate | 40.000 | 38.447 | 3.9 | 83 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.275 | 4.3 | 88 | -0.03 |
| 61 | | 4-Nitroaniline | 40.000 | 39.887 | 0.3 | 86 | -0.02 |
| 62 | | Azobenzene | 40.000 | 38.173 | 4.6 | 82 | -0.03 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 100 | -0.05 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 35.907 | 10.2 | 79 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.805 | 8.0 | 86 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.293 | -0.7 | 96 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 38.039 | 4.9 | 90 | -0.03 |
| 68 | | Atrazine | 40.000 | 39.794 | 0.5 | 91 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 32.223 | 19.4 | 80 | -0.03 |
| 70 | | Phenanthrene | 40.000 | 35.663 | 10.8 | 87 | -0.05 |
| 71 | | Anthracene | 40.000 | 39.497 | 1.3 | 97 | -0.05 |
| 72 | | Carbazole | 40.000 | 36.528 | 8.7 | 87 | -0.05 |
| 73 | | Di-n-butylphthalate | 40.000 | 35.952 | 10.1 | 91 | -0.06 |
| 74 | C | Fluoranthene | 40.000 | 37.411 | 6.5 | 93 | -0.09 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 90 | -0.16 |
| 76 | | Benzidine | 40.000 | 44.878 | -12.2 | 98 | -0.09 |
| 77 | | Pyrene | 40.000 | 39.438 | 1.4 | 88 | -0.10 |
| 78 | S | Terphenyl-d14 | 80.000 | 76.896 | 3.9 | 87 | -0.11 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.192 | 2.0 | 84 | -0.14 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.624 | 3.4 | 87 | -0.17 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.927 | 2.7 | 86 | -0.17 |
| 82 | | Chrysene | 40.000 | 39.403 | 1.5 | 88 | -0.17 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 34.824 | 12.9 | 75 | -0.17 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 34.788 | 13.0 | 76 | -0.22 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.679 | 0.8 | 89 | -0.24 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 96 | -0.23 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 38.553 | 3.6 | 90 | -0.22 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 37.414 | 6.5 | 90 | -0.22 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.052 | 2.4 | 93 | -0.22 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 37.335 | 6.7 | 89 | -0.25 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.781 | 5.5 | 90 | -0.25 |

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