# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087522.D
Acq On : 29 May 2016 21:06
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 31 12:52:55 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
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 | 97 | -0.05 |
| 2 | | 1,4-Dioxane | 40.000 | 39.209 | 2.0 | 97 | -0.06 |
| 3 | | Pyridine | 40.000 | 33.255 | 16.9 | 75 | -0.07 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 43.609 | -9.0 | 103 | -0.06 |
| 5 | S | 2-Fluorophenol | 80.000 | 91.565 | -14.5 | 105 | -0.05 |
| 6 | | Aniline | 40.000 | 44.158 | -10.4 | 103 | -0.05 |
| 7 | S | Phenol-d6 | 80.000 | 85.926 | -7.4 | 104 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 42.022 | -5.1 | 101 | -0.03 |
| 9 | | Benzaldehyde | 40.000 | 41.094 | -2.7 | 109 | -0.03 |
| 10 | C | Phenol | 40.000 | 43.527 | -8.8 | 115 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.115 | -2.8 | 101 | -0.05 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.116 | -2.8 | 101 | -0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.469 | -3.7 | 102 | -0.06 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.288 | -5.7 | 106 | -0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 46.479 | -16.2 | 106 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.562 | 1.1 | 99 | -0.05 |
| 17 | | 2-Methylphenol | 40.000 | 42.018 | -5.0 | 103 | -0.03 |
| 18 | | Hexachloroethane | 40.000 | 42.989 | -7.5 | 105 | -0.06 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.522 | -6.3 | 105 | -0.03 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.323 | -10.8 | 103 | -0.03 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 101 | -0.05 |
| 22 | | Acetophenone | 40.000 | 41.116 | -2.8 | 103 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.372 | -3.0 | 101 | -0.03 |
| 24 | | Nitrobenzene | 40.000 | 40.296 | -0.7 | 98 | -0.05 |
| 25 | | Isophorone | 40.000 | 41.029 | -2.6 | 103 | -0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.906 | -2.3 | 97 | -0.05 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.877 | -4.7 | 104 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.423 | 1.4 | 101 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.255 | -3.1 | 100 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.627 | 0.9 | 100 | -0.05 |
| 31 | | Naphthalene | 40.000 | 39.030 | 2.4 | 101 | -0.05 |
| 32 | | Benzoic acid | 40.000 | 35.820 | 10.4 | 87 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 41.764 | -4.4 | 103 | -0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.185 | 2.0 | 99 | -0.06 |
| 35 | | Caprolactam | 40.000 | 43.092 | -7.7 | 105 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.893 | -9.7 | 106 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.368 | 1.6 | 101 | -0.06 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 104 | -0.06 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.927 | 2.7 | 101 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 27.828 | 30.4# | 61 | -0.06 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 79.358 | 0.8 | 100 | -0.05 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.046 | 2.4 | 97 | -0.03 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 37.395 | 6.5 | 95 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.525 | 9.3 | 96 | -0.05 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.565 | 3.6 | 104 | -0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.757 | 0.6 | 104 | -0.05 |
| 47 | | 2-Nitroaniline | 40.000 | 44.059 | -10.1 | 110 | -0.03 |
| 48 | | Acenaphthylene | 40.000 | 38.129 | 4.7 | 100 | -0.05 |
| 49 | | Dimethylphthalate | 40.000 | 39.426 | 1.4 | 102 | -0.05 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.387 | -3.5 | 107 | -0.03 |
| 51 | C | Acenaphthene | 40.000 | 38.585 | 3.5 | 105 | -0.05 |
| 52 | | 3-Nitroaniline | 40.000 | 43.597 | -9.0 | 111 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 23.825 | 40.4# | 50 | 0.01 |
| 54 | | Dibenzofuran | 40.000 | 38.999 | 2.5 | 104 | -0.03 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.101 | 14.7 | 86 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 44.139 | -10.3 | 109 | -0.02 |
| 57 | | Fluorene | 40.000 | 38.274 | 4.3 | 101 | -0.05 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.670 | 3.3 | 94 | -0.03 |
| 59 | | Diethylphthalate | 40.000 | 39.088 | 2.3 | 104 | -0.05 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.865 | 5.3 | 100 | -0.05 |
| 61 | | 4-Nitroaniline | 40.000 | 40.399 | -1.0 | 94 | -0.02 |
| 62 | | Azobenzene | 40.000 | 43.045 | -7.6 | 107 | -0.05 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 107 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 34.113 | 14.7 | 82 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.112 | 2.2 | 102 | -0.05 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.760 | 0.6 | 104 | -0.05 |
| 67 | | Hexachlorobenzene | 40.000 | 38.984 | 2.5 | 102 | -0.05 |
| 68 | | Atrazine | 40.000 | 31.589 | 21.0 | 82 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 37.403 | 6.5 | 92 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 38.831 | 2.9 | 104 | -0.05 |
| 71 | | Anthracene | 40.000 | 40.774 | -1.9 | 110 | -0.03 |
| 72 | | Carbazole | 40.000 | 40.962 | -2.4 | 108 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.794 | 3.0 | 98 | -0.05 |
| 74 | C | Fluoranthene | 40.000 | 41.415 | -3.5 | 108 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 102 | -0.03 |
| 76 | | Benzidine | 40.000 | 48.267 | -20.7 | 112 | -0.03 |
| 77 | | Pyrene | 40.000 | 40.887 | -2.2 | 104 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 82.801 | -3.5 | 104 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.714 | -11.8 | 106 | -0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.545 | 3.6 | 97 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 42.833 | -7.1 | 112 | -0.03 |
| 82 | | Chrysene | 40.000 | 38.485 | 3.8 | 101 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.446 | 3.9 | 96 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 38.961 | 2.6 | 92 | -0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.718 | -14.3 | 114 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 105 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 33.099 | 17.3 | 81 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 44.453 | -11.1 | 138 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.791 | 3.0 | 105 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 44.230 | -10.6 | 115 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.516 | -3.8 | 108 | -0.02 |

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