# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012716\
Data File : BF084617.D
Acq On : 27 Jan 2016 9:16
Operator : SJ/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 27 17:34:05 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 25 16:24:07 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 | 78 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.506 | 11.2 | 66 | -0.01 |
| 3 | | Pyridine | 40.000 | 24.918 | 37.7# | 44 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 31.295 | 21.8 | 57 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.480 | -1.9 | 84 | 0.00 |
| 6 | | Aniline | 40.000 | 34.616 | 13.5 | 65 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.832 | 2.7 | 75 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.140 | 4.6 | 75 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 33.703 | 15.7 | 66 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.151 | -2.9 | 74 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.478 | -3.7 | 84 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.740 | -1.9 | 81 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.136 | -0.3 | 74 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.037 | 4.9 | 79 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.956 | 2.6 | 72 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.989 | 15.0 | 68 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 36.986 | 7.5 | 67 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.677 | -1.7 | 76 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.154 | 9.6 | 72 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.151 | -0.4 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.108 | 4.7 | 71 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 76.845 | 3.9 | 78 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.820 | 2.9 | 70 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.723 | 3.2 | 77 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.233 | -8.1 | 88 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.428 | 6.4 | 70 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.279 | 1.8 | 84 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.189 | 7.0 | 76 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.379 | -0.9 | 77 | 0.00 |
| 31 | | Naphthalene | 40.000 | 42.126 | -5.3 | 85 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.692 | -1.7 | 82 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 43.632 | -9.1 | 90 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.572 | 6.1 | 75 | 0.00 |
| 35 | | Caprolactam | 40.000 | 45.278 | -13.2 | 80 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.477 | -6.2 | 89 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 35.010 | 12.5 | 72 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 78 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.986 | -7.5 | 84 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 37.656 | 5.9 | 72 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 81.172 | -1.5 | 74 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.652 | 3.4 | 77 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.636 | -6.6 | 80 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 82.059 | -2.6 | 78 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.515 | 3.7 | 81 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.465 | 3.8 | 83 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 47.639 | -19.1 | 97 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 36.172 | 9.6 | 67 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 41.975 | -4.9 | 79 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.036 | -5.1 | 74 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 38.397 | 4.0 | 70 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 36.695 | 8.3 | 66 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 53.164 | -32.9# | 102 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 36.040 | 9.9 | 66 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 39.173 | 2.1 | 64 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 47.675 | -19.2 | 80 | 0.01 |
| 57 | | Fluorene | 40.000 | 39.013 | 2.5 | 72 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.858 | -9.6 | 81 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.298 | 1.8 | 75 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 48.539 | -21.3 | 87 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 46.458 | -16.1 | 93 | 0.00 |
| 62 | | Azobenzene | 40.000 | 40.907 | -2.3 | 78 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.350 | 1.6 | 95 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 35.802 | 10.5 | 79 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 35.692 | 10.8 | 75 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 39.456 | 1.4 | 93 | 0.00 |
| 68 | | Atrazine | 40.000 | 35.266 | 11.8 | 70 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 40.553 | -1.4 | 79 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.970 | 2.6 | 80 | 0.00 |
| 71 | | Anthracene | 40.000 | 39.526 | 1.2 | 92 | 0.00 |
| 72 | | Carbazole | 40.000 | 33.570 | 16.1 | 72 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 43.793 | -9.5 | 92 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 38.312 | 4.2 | 89 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 76 | | Benzidine | 40.000 | 37.160 | 7.1 | 77 | 0.01 |
| 77 | | Pyrene | 40.000 | 36.476 | 8.8 | 87 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 81.182 | -1.5 | 99 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 36.777 | 8.1 | 76 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.443 | -3.6 | 92 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 50.715 | -26.8# | 105 | 0.00 |
| 82 | | Chrysene | 40.000 | 45.127 | -12.8 | 96 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.283 | 1.8 | 86 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.910 | -4.8 | 84 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.099 | -12.7 | 97 | 0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.042 | 2.4 | 98 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 36.439 | 8.9 | 97 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.721 | 3.2 | 98 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 34.593 | 13.5 | 95 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 33.528 | 16.2 | 95 | 0.01 |

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