# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
Data File : BF088412.D
Acq On : 26 Jun 2016 12:07
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 27 17:06:49 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 14:55:14 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 | 82 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.882 | -2.2 | 86 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.248 | 1.9 | 79 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 34.486 | 13.8 | 71 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.826 | -4.8 | 87 | 0.00 |
| 6 | | Aniline | 40.000 | 33.105 | 17.2 | 68 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 71.719 | 10.4 | 76 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 40.500 | -1.3 | 85 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.577 | 8.6 | 79 | 0.00 |
| 10 | C | Phenol | 40.000 | 47.000 | -17.5 | 100 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.843 | -7.1 | 94 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.018 | -0.0 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.191 | -3.0 | 88 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.779 | 5.6 | 76 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 34.817 | 13.0 | 69 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 28.820 | 27.9# | 58 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 35.621 | 10.9 | 71 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 39.531 | 1.2 | 80 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.335 | 6.7 | 83 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.622 | 3.4 | 85 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.004 | -0.0 | 87 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.795 | 5.3 | 79 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 39.760 | 0.6 | 92 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.705 | 5.7 | 79 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.265 | -3.2 | 77 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 34.317 | 14.2 | 71 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.156 | 4.6 | 79 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.600 | 3.5 | 81 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.309 | 6.7 | 82 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.288 | 6.8 | 84 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 32.779 | 18.1 | 60 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 36.831 | 7.9 | 73 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 35.336 | 11.7 | 73 | 0.00 |
| 35 | | Caprolactam | 40.000 | 37.581 | 6.0 | 73 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.665 | 5.8 | 82 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 35.231 | 11.9 | 71 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 75 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.730 | -4.3 | 83 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 42.818 | -7.0 | 80 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 68.605 | 14.2 | 63 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 35.637 | 10.9 | 66 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 36.283 | 9.3 | 71 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 82.575 | -3.2 | 80 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 42.666 | -6.7 | 82 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.453 | 1.4 | 80 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 40.951 | -2.4 | 71 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 39.218 | 2.0 | 75 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 42.684 | -6.7 | 89 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 36.575 | 8.6 | 76 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 37.623 | 5.9 | 71 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 38.428 | 3.9 | 70 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 48.117 | -20.3 | 87 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.636 | -1.6 | 75 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 48.688 | -21.7 | 81 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.537 | -8.8 | 89 | 0.00 |
| 57 | | Fluorene | 40.000 | 43.938 | -9.8 | 80 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.763 | 3.1 | 69 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 36.571 | 8.6 | 72 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 36.040 | 9.9 | 74 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 42.618 | -6.5 | 73 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.073 | 2.3 | 73 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.297 | -3.2 | 73 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 35.999 | 10.0 | 72 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.555 | 3.6 | 75 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 34.812 | 13.0 | 77 | 0.00 |
| 68 | | Atrazine | 40.000 | 34.796 | 13.0 | 64 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 41.112 | -2.8 | 74 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 36.831 | 7.9 | 83 | 0.00 |
| 71 | | Anthracene | 40.000 | 41.095 | -2.7 | 79 | 0.00 |
| 72 | | Carbazole | 40.000 | 42.004 | -5.0 | 93 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.283 | 1.8 | 79 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 36.379 | 9.1 | 72 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 75 | 0.00 |
| 76 | | Benzidine | 40.000 | 44.215 | -10.5 | 83 | 0.00 |
| 77 | | Pyrene | 40.000 | 40.079 | -0.2 | 76 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 73.205 | 8.5 | 71 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.539 | -11.3 | 81 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.696 | 5.8 | 77 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 49.512 | -23.8 | 87 | 0.00 |
| 82 | | Chrysene | 40.000 | 45.236 | -13.1 | 91 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.517 | -3.8 | 80 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 49.688 | -24.2# | 95 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.767 | -1.9 | 77 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 88 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 33.606 | 16.0 | 69 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 43.197 | -8.0 | 116 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.454 | 1.4 | 85 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 35.261 | 11.8 | 77 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 35.902 | 10.2 | 77 | 0.00 |

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