# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091612.D
Acq On : 15 Dec 2016 6:14
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 15 07:04:24 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 19:00:21 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 | 116 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 39.920 | 0.2 | 121 | -0.06 |
| 3 | | Pyridine | 40.000 | 39.230 | 1.9 | 110 | -0.07 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.615 | 1.0 | 117 | -0.07 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.768 | 0.3 | 116 | -0.02 |
| 6 | | Aniline | 40.000 | 39.419 | 1.5 | 119 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 78.699 | 1.6 | 124 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 38.438 | 3.9 | 111 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 38.095 | 4.8 | 125 | -0.02 |
| 10 | C | Phenol | 40.000 | 39.067 | 2.3 | 135 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.135 | 2.2 | 112 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.748 | -4.4 | 132 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.634 | -4.1 | 127 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.479 | -1.2 | 115 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 40.681 | -1.7 | 124 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.933 | -2.3 | 117 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 38.500 | 3.8 | 113 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 32.304 | 19.2 | 95 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.075 | 2.3 | 113 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.911 | -4.8 | 128 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 119 | -0.01 |
| 22 | | Acetophenone | 40.000 | 38.773 | 3.1 | 120 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.436 | 0.7 | 120 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 37.101 | 7.2 | 103 | -0.02 |
| 25 | | Isophorone | 40.000 | 40.692 | -1.7 | 123 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 28.186 | 29.5# | 79 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.669 | 3.3 | 123 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.264 | 1.8 | 113 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.605 | 3.5 | 108 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.504 | -3.8 | 129 | -0.01 |
| 31 | | Naphthalene | 40.000 | 41.887 | -4.7 | 130 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 22.689 | 43.3# | 63 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 39.477 | 1.3 | 122 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.474 | 6.3 | 109 | -0.02 |
| 35 | | Caprolactam | 40.000 | 42.782 | -7.0 | 135 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.945 | 2.6 | 112 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.608 | 6.0 | 116 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 113 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.379 | -5.9 | 132 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 11.530 | 71.2# | 32 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 62.730 | 21.6 | 92 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 37.566 | 6.1 | 100 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 34.300 | 14.3 | 105 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 71.285 | 10.9 | 105 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 43.530 | -8.8 | 133 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.159 | -2.9 | 126 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 37.915 | 5.2 | 104 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 40.422 | -1.1 | 120 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 41.766 | -4.4 | 115 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.498 | 6.3 | 101 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 34.523 | 13.7 | 103 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 41.565 | -3.9 | 111 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 7.281 | 81.8# | 13 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 39.622 | 0.9 | 117 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 24.478 | 38.8# | 59 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 35.008 | 12.5 | 90 | -0.01 |
| 57 | | Fluorene | 40.000 | 42.299 | -5.7 | 128 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 31.473 | 21.3 | 85 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 41.713 | -4.3 | 114 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.238 | 6.9 | 109 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 47.506 | -18.8 | 146 | -0.01 |
| 62 | | Azobenzene | 40.000 | 38.188 | 4.5 | 104 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 94 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 9.269 | 76.8# | 17 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 50.039 | -25.1# | 129 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 45.277 | -13.2 | 108 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 45.302 | -13.3 | 115 | -0.01 |
| 68 | | Atrazine | 40.000 | 36.574 | 8.6 | 86 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 27.460 | 31.4# | 63 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 45.857 | -14.6 | 114 | -0.01 |
| 71 | | Anthracene | 40.000 | 38.282 | 4.3 | 92 | -0.02 |
| 72 | | Carbazole | 40.000 | 42.071 | -5.2 | 110 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 48.540 | -21.3 | 111 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 38.296 | 4.3 | 89 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 99 | -0.01 |
| 76 | | Benzidine | 40.000 | 35.275 | 11.8 | 85 | -0.02 |
| 77 | | Pyrene | 40.000 | 36.731 | 8.2 | 88 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 74.741 | 6.6 | 90 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.409 | -11.0 | 108 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.944 | -2.4 | 103 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 43.253 | -8.1 | 109 | -0.01 |
| 82 | | Chrysene | 40.000 | 39.396 | 1.5 | 96 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.666 | -9.2 | 105 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 49.635 | -24.1# | 114 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 36.831 | 7.9 | 90 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 93 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 48.145 | -20.4 | 110 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.030 | 4.9 | 100 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 42.545 | -6.4 | 101 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.037 | 4.9 | 92 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 36.017 | 10.0 | 88 | -0.02 |

(#) = Out of Range SPCC's out = 0 CCC's out = 4