# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
Data File : BF090249.D
Acq On : 27 Sep 2016 13:39
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 27 16:52:54 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 26 15:58:38 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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 34.032 | 14.9 | 89 | -0.01 |
| 3 | | Pyridine | 40.000 | 38.227 | 4.4 | 96 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.296 | -3.2 | 105 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.160 | -3.9 | 103 | 0.00 |
| 6 | | Aniline | 40.000 | 39.870 | 0.3 | 100 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.223 | 4.7 | 93 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.375 | 1.6 | 99 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 44.038 | -10.1 | 111 | 0.00 |
| 10 | C | Phenol | 40.000 | 34.865 | 12.8 | 83 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.557 | 1.1 | 97 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.728 | 5.7 | 98 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.231 | 6.9 | 98 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.879 | 2.8 | 97 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 43.566 | -8.9 | 106 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.624 | 10.9 | 90 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.820 | -2.1 | 101 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.398 | 6.5 | 93 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.961 | -4.9 | 104 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.193 | -5.5 | 104 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.158 | 7.1 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.067 | 2.4 | 100 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 41.541 | -3.9 | 100 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.432 | 3.9 | 99 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.985 | -10.0 | 110 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.557 | -6.4 | 109 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.523 | -1.3 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.789 | 3.0 | 95 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.315 | -0.8 | 100 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.222 | -0.6 | 100 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 47.589 | -19.0 | 109 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 43.292 | -8.2 | 105 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.769 | 0.6 | 102 | 0.00 |
| 35 | | Caprolactam | 40.000 | 42.031 | -5.1 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.729 | -4.3 | 108 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.499 | -3.7 | 105 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.965 | -4.9 | 109 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 42.971 | -7.4 | 101 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 86.147 | -7.7 | 107 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 42.769 | -6.9 | 102 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.839 | 0.4 | 102 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 77.430 | 3.2 | 102 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 42.107 | -5.3 | 103 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.558 | 8.6 | 100 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 38.845 | 2.9 | 103 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 37.718 | 5.7 | 101 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 40.233 | -0.6 | 109 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 36.306 | 9.2 | 88 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 35.824 | 10.4 | 91 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 42.871 | -7.2 | 111 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 45.652 | -14.1 | 122 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.713 | 3.2 | 105 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.830 | -2.1 | 98 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 37.967 | 5.1 | 90 | 0.00 |
| 57 | | Fluorene | 40.000 | 43.423 | -8.6 | 106 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.671 | -6.7 | 103 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 40.536 | -1.3 | 102 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.471 | 1.3 | 106 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.038 | -2.6 | 98 | 0.00 |
| 62 | | Azobenzene | 40.000 | 40.578 | -1.4 | 100 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 101 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 46.831 | -17.1 | 124 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.252 | -0.6 | 109 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 36.357 | 9.1 | 99 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 37.335 | 6.7 | 108 | -0.01 |
| 68 | | Atrazine | 40.000 | 40.744 | -1.9 | 118 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 41.635 | -4.1 | 105 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 42.337 | -5.8 | 106 | 0.00 |
| 71 | | Anthracene | 40.000 | 36.756 | 8.1 | 100 | -0.01 |
| 72 | | Carbazole | 40.000 | 35.134 | 12.2 | 98 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.915 | -2.3 | 109 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 37.501 | 6.2 | 102 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 103 | -0.01 |
| 76 | | Benzidine | 40.000 | 35.851 | 10.4 | 92 | -0.01 |
| 77 | | Pyrene | 40.000 | 39.479 | 1.3 | 109 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 72.173 | 9.8 | 106 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 40.152 | -0.4 | 107 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 42.892 | -7.2 | 110 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.069 | -2.7 | 109 | -0.01 |
| 82 | | Chrysene | 40.000 | 41.357 | -3.4 | 108 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.375 | -8.4 | 110 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 45.206 | -13.0 | 110 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.061 | -12.7 | 112 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.544 | -1.4 | 109 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 35.895 | 10.3 | 107 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.259 | 6.9 | 105 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.124 | 2.2 | 110 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.578 | 3.6 | 110 | 0.00 |

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