# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF010816\
Data File : BF084341.D
Acq On : 8 Jan 2016 22:02
Operator : SJ/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 09 02:45:07 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 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 | 98 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 39.464 | 1.3 | 93 | -0.10 |
| 3 | | Pyridine | 40.000 | 40.830 | -2.1 | 92 | -0.11 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.824 | 0.4 | 92 | -0.10 |
| 5 | S | 2-Fluorophenol | 80.000 | 70.996 | 11.3 | 93 | -0.02 |
| 6 | | Aniline | 40.000 | 33.460 | 16.3 | 80 | -0.05 |
| 7 | S | Phenol-d6 | 80.000 | 77.278 | 3.4 | 94 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 38.493 | 3.8 | 96 | -0.03 |
| 9 | | Benzaldehyde | 40.000 | 38.316 | 4.2 | 94 | -0.04 |
| 10 | C | Phenol | 40.000 | 41.773 | -4.4 | 95 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.586 | 1.0 | 101 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.750 | 5.6 | 95 | -0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.700 | 3.2 | 91 | -0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.053 | -0.1 | 105 | -0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 35.736 | 10.7 | 83 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.363 | 14.1 | 87 | -0.05 |
| 17 | | 2-Methylphenol | 40.000 | 39.188 | 2.0 | 90 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 38.570 | 3.6 | 91 | -0.06 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 34.305 | 14.2 | 86 | -0.03 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.026 | 9.9 | 94 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 95 | -0.05 |
| 22 | | Acetophenone | 40.000 | 39.656 | 0.9 | 89 | -0.05 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.181 | -2.7 | 100 | -0.03 |
| 24 | | Nitrobenzene | 40.000 | 36.951 | 7.6 | 79 | -0.05 |
| 25 | | Isophorone | 40.000 | 40.907 | -2.3 | 97 | -0.03 |
| 26 | C | 2-Nitrophenol | 40.000 | 49.540 | -23.8# | 120 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 32.832 | 17.9 | 74 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.256 | -3.1 | 106 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.304 | -8.3 | 105 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.104 | 2.2 | 90 | -0.05 |
| 31 | | Naphthalene | 40.000 | 37.159 | 7.1 | 89 | -0.05 |
| 32 | | Benzoic acid | 40.000 | 24.227 | 39.4# | 51 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 41.212 | -3.0 | 101 | -0.03 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.552 | -3.9 | 99 | -0.05 |
| 35 | | Caprolactam | 40.000 | 43.533 | -8.8 | 92 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.111 | 7.2 | 93 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.659 | -4.1 | 103 | -0.03 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 99 | -0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.159 | 9.6 | 89 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 28.467 | 28.8# | 69 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 67.658 | 15.4 | 79 | -0.05 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 36.193 | 9.5 | 92 | -0.03 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.472 | -1.2 | 97 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 80.043 | -0.1 | 97 | -0.03 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.583 | 3.5 | 102 | -0.03 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.062 | 4.8 | 104 | -0.03 |
| 47 | | 2-Nitroaniline | 40.000 | 36.765 | 8.1 | 95 | -0.03 |
| 48 | | Acenaphthylene | 40.000 | 38.418 | 4.0 | 91 | -0.05 |
| 49 | | Dimethylphthalate | 40.000 | 40.846 | -2.1 | 97 | -0.03 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 45.577 | -13.9 | 102 | -0.03 |
| 51 | C | Acenaphthene | 40.000 | 37.243 | 6.9 | 86 | -0.05 |
| 52 | | 3-Nitroaniline | 40.000 | 43.730 | -9.3 | 100 | -0.03 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 30.067 | 24.8 | 69 | -0.03 |
| 54 | | Dibenzofuran | 40.000 | 38.395 | 4.0 | 88 | -0.05 |
| 55 | P | 4-Nitrophenol | 40.000 | 33.050 | 17.4 | 68 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 46.209 | -15.5 | 98 | -0.03 |
| 57 | | Fluorene | 40.000 | 40.383 | -1.0 | 95 | -0.04 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.988 | 2.5 | 91 | -0.03 |
| 59 | | Diethylphthalate | 40.000 | 36.911 | 7.7 | 89 | -0.05 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 36.450 | 8.9 | 88 | -0.05 |
| 61 | | 4-Nitroaniline | 40.000 | 44.593 | -11.5 | 113 | -0.02 |
| 62 | | Azobenzene | 40.000 | 35.111 | 12.2 | 85 | -0.05 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 104 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 29.475 | 26.3# | 80 | -0.03 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.006 | 10.0 | 92 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 35.714 | 10.7 | 86 | -0.05 |
| 67 | | Hexachlorobenzene | 40.000 | 39.365 | 1.6 | 107 | -0.03 |
| 68 | | Atrazine | 40.000 | 39.082 | 2.3 | 89 | -0.05 |
| 69 | C | Pentachlorophenol | 40.000 | 35.313 | 11.7 | 80 | -0.03 |
| 70 | | Phenanthrene | 40.000 | 37.164 | 7.1 | 88 | -0.05 |
| 71 | | Anthracene | 40.000 | 39.859 | 0.4 | 107 | -0.04 |
| 72 | | Carbazole | 40.000 | 32.199 | 19.5 | 79 | -0.05 |
| 73 | | Di-n-butylphthalate | 40.000 | 35.285 | 11.8 | 90 | -0.05 |
| 74 | C | Fluoranthene | 40.000 | 39.918 | 0.2 | 107 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 91 | -0.03 |
| 76 | | Benzidine | 40.000 | 33.159 | 17.1 | 74 | -0.05 |
| 77 | | Pyrene | 40.000 | 40.929 | -2.3 | 105 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 81.190 | -1.5 | 107 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 38.921 | 2.7 | 86 | -0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.752 | 3.1 | 93 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.072 | -10.2 | 99 | -0.03 |
| 82 | | Chrysene | 40.000 | 40.179 | -0.4 | 92 | -0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.078 | 4.8 | 90 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.585 | 1.0 | 85 | -0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 43.016 | -7.5 | 99 | -0.07 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 93 | -0.06 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 45.153 | -12.9 | 100 | -0.06 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 33.485 | 16.3 | 78 | -0.05 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.132 | 2.2 | 87 | -0.06 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.445 | -1.1 | 98 | -0.08 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.869 | -2.2 | 101 | -0.08 |

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