# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
Data File : BF085446.D
Acq On : 15 Mar 2016 00:41
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 15 04:05:14 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 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 | 95 | -0.06 |
| 2 | | 1,4-Dioxane | 40.000 | 37.839 | 5.4 | 95 | -0.09 |
| 3 | | Pyridine | 40.000 | 40.775 | -1.9 | 101 | -0.11 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.009 | 5.0 | 90 | -0.10 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.629 | -2.0 | 108 | -0.06 |
| 6 | | Aniline | 40.000 | 38.442 | 3.9 | 92 | -0.05 |
| 7 | S | Phenol-d6 | 80.000 | 76.015 | 5.0 | 96 | -0.05 |
| 8 | | 2-Chlorophenol | 40.000 | 36.274 | 9.3 | 89 | -0.06 |
| 9 | | Benzaldehyde | 40.000 | 40.249 | -0.6 | 100 | -0.06 |
| 10 | C | Phenol | 40.000 | 36.982 | 7.5 | 95 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.266 | 9.3 | 83 | -0.06 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.685 | 0.8 | 97 | -0.06 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.646 | 5.9 | 98 | -0.06 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.772 | 8.1 | 87 | -0.06 |
| 15 | | Benzyl Alcohol | 40.000 | 38.541 | 3.6 | 95 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.847 | 12.9 | 88 | -0.06 |
| 17 | | 2-Methylphenol | 40.000 | 40.653 | -1.6 | 95 | -0.05 |
| 18 | | Hexachloroethane | 40.000 | 38.483 | 3.8 | 92 | -0.06 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 33.148 | 17.1 | 80 | -0.06 |
| 20 | | 3+4-Methylphenols | 40.000 | 32.535 | 18.7 | 86 | -0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 98 | -0.05 |
| 22 | | Acetophenone | 40.000 | 36.809 | 8.0 | 90 | -0.06 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 70.459 | 11.9 | 84 | -0.05 |
| 24 | | Nitrobenzene | 40.000 | 40.830 | -2.1 | 99 | -0.05 |
| 25 | | Isophorone | 40.000 | 39.922 | 0.2 | 97 | -0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.389 | -6.0 | 99 | -0.06 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.460 | 3.8 | 90 | -0.06 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 43.658 | -9.1 | 109 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.641 | 5.9 | 90 | -0.06 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.727 | -1.8 | 101 | -0.06 |
| 31 | | Naphthalene | 40.000 | 39.690 | 0.8 | 104 | -0.05 |
| 32 | | Benzoic acid | 40.000 | 41.439 | -3.6 | 93 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 41.276 | -3.2 | 107 | -0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.720 | -6.8 | 103 | -0.06 |
| 35 | | Caprolactam | 40.000 | 43.258 | -8.1 | 105 | -0.05 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.026 | 12.4 | 87 | -0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 35.143 | 12.1 | 85 | -0.06 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 91 | -0.06 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 45.992 | -15.0 | 113 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 26.056 | 34.9# | 58 | -0.06 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 95.554 | -19.4 | 105 | -0.05 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.729 | 0.7 | 90 | -0.06 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 43.122 | -7.8 | 96 | -0.05 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 66.797 | 16.5 | 81 | -0.06 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.874 | 0.3 | 101 | -0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.467 | 6.3 | 87 | -0.06 |
| 47 | | 2-Nitroaniline | 40.000 | 36.204 | 9.5 | 80 | -0.05 |
| 48 | | Acenaphthylene | 40.000 | 37.032 | 7.4 | 88 | -0.06 |
| 49 | | Dimethylphthalate | 40.000 | 40.635 | -1.6 | 91 | -0.06 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 47.780 | -19.5 | 104 | -0.05 |
| 51 | C | Acenaphthene | 40.000 | 40.447 | -1.1 | 97 | -0.06 |
| 52 | | 3-Nitroaniline | 40.000 | 44.141 | -10.4 | 91 | -0.05 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 36.023 | 9.9 | 82 | -0.05 |
| 54 | | Dibenzofuran | 40.000 | 36.534 | 8.7 | 85 | -0.06 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.706 | 13.2 | 71 | -0.05 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.213 | -8.0 | 98 | -0.05 |
| 57 | | Fluorene | 40.000 | 36.975 | 7.6 | 84 | -0.06 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.653 | -9.1 | 94 | -0.05 |
| 59 | | Diethylphthalate | 40.000 | 36.896 | 7.8 | 84 | -0.06 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.777 | 0.6 | 95 | -0.06 |
| 61 | | 4-Nitroaniline | 40.000 | 42.500 | -6.3 | 93 | -0.05 |
| 62 | | Azobenzene | 40.000 | 39.184 | 2.0 | 88 | -0.06 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 87 | -0.06 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.469 | -6.2 | 82 | -0.04 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.990 | 2.5 | 90 | -0.05 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.216 | -3.0 | 87 | -0.06 |
| 67 | | Hexachlorobenzene | 40.000 | 39.444 | 1.4 | 83 | -0.06 |
| 68 | | Atrazine | 40.000 | 41.849 | -4.6 | 106 | -0.05 |
| 69 | C | Pentachlorophenol | 40.000 | 45.406 | -13.5 | 98 | -0.05 |
| 70 | | Phenanthrene | 40.000 | 38.480 | 3.8 | 92 | -0.06 |
| 71 | | Anthracene | 40.000 | 36.804 | 8.0 | 86 | -0.06 |
| 72 | | Carbazole | 40.000 | 34.042 | 14.9 | 76 | -0.06 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.861 | 5.3 | 88 | -0.05 |
| 74 | C | Fluoranthene | 40.000 | 32.123 | 19.7 | 73 | -0.06 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 86 | -0.06 |
| 76 | | Benzidine | 40.000 | 35.199 | 12.0 | 65 | -0.05 |
| 77 | | Pyrene | 40.000 | 36.662 | 8.3 | 71 | -0.06 |
| 78 | S | Terphenyl-d14 | 80.000 | 89.470 | -11.8 | 95 | -0.05 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.233 | -10.6 | 89 | -0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 36.483 | 8.8 | 77 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 43.132 | -7.8 | 86 | -0.05 |
| 82 | | Chrysene | 40.000 | 31.021 | 22.4 | 60 | -0.06 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.847 | -7.1 | 88 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.167 | 2.1 | 76 | -0.06 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 57.100 | -42.8# | 103 | -0.09 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 96 | -0.07 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 32.304 | 19.2 | 73 | -0.06 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 42.471 | -6.2 | 117 | -0.06 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.311 | 1.7 | 93 | -0.07 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 48.343 | -20.9 | 104 | -0.09 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 46.343 | -15.9 | 99 | -0.10 |

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