# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF033116\
Data File : BF085947.D
Acq On : 1 Apr 2016 00:39
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 01 01:14:50 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 12:31:18 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 | 138 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 39.051 | 2.4 | 136 | -0.01 |
| 3 | | Pyridine | 40.000 | 40.193 | -0.5 | 132 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.677 | -4.2 | 138 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 76.243 | 4.7 | 138 | -0.01 |
| 6 | | Aniline | 40.000 | 37.008 | 7.5 | 134 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.685 | 4.1 | 140 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 37.737 | 5.7 | 130 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 35.190 | 12.0 | 127 | 0.00 |
| 10 | C | Phenol | 40.000 | 35.497 | 11.3 | 128 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.689 | 3.3 | 139 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.260 | -0.6 | 138 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.380 | 1.5 | 145 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.450 | 6.4 | 130 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 34.927 | 12.7 | 117 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.898 | 12.8 | 123 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 39.808 | 0.5 | 135 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.841 | 2.9 | 138 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.952 | 7.6 | 123 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.149 | 4.6 | 137 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 131 | -0.01 |
| 22 | | Acetophenone | 40.000 | 39.409 | 1.5 | 139 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.856 | 2.7 | 130 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 42.285 | -5.7 | 152 | -0.01 |
| 25 | | Isophorone | 40.000 | 38.820 | 2.9 | 136 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.320 | -0.8 | 140 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.570 | 8.6 | 117 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.025 | 7.4 | 121 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.511 | -1.3 | 140 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.698 | -1.7 | 140 | -0.01 |
| 31 | | Naphthalene | 40.000 | 39.589 | 1.0 | 141 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 44.403 | -11.0 | 134 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 37.988 | 5.0 | 130 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.846 | -2.1 | 140 | -0.01 |
| 35 | | Caprolactam | 40.000 | 35.818 | 10.5 | 129 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.205 | 4.5 | 138 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.255 | 9.4 | 122 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 119 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 45.411 | -13.5 | 134 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 24.878 | 37.8# | 66 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 76.809 | 4.0 | 113 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 42.045 | -5.1 | 128 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.866 | -2.2 | 123 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 77.231 | 3.5 | 112 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.529 | -3.8 | 124 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.809 | -4.5 | 120 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 43.562 | -8.9 | 140 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 37.556 | 6.1 | 110 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 43.625 | -9.1 | 140 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.571 | 6.1 | 108 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 36.306 | 9.2 | 116 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 36.918 | 7.7 | 119 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 35.059 | 12.4 | 100 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 35.907 | 10.2 | 108 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.696 | 13.3 | 99 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 40.762 | -1.9 | 112 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.021 | 7.4 | 108 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.603 | -1.5 | 124 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 39.997 | 0.0 | 124 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.845 | 5.4 | 124 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 39.570 | 1.1 | 112 | -0.01 |
| 62 | | Azobenzene | 40.000 | 39.612 | 1.0 | 121 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 106 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.995 | 2.5 | 98 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.982 | 0.0 | 108 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.548 | -3.9 | 113 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 40.425 | -1.1 | 105 | -0.01 |
| 68 | | Atrazine | 40.000 | 39.645 | 0.9 | 110 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 36.115 | 9.7 | 90 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.060 | 2.3 | 100 | -0.01 |
| 71 | | Anthracene | 40.000 | 41.816 | -4.5 | 120 | -0.01 |
| 72 | | Carbazole | 40.000 | 39.242 | 1.9 | 102 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.300 | 6.8 | 105 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 35.711 | 10.7 | 101 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 94 | -0.01 |
| 76 | | Benzidine | 40.000 | 38.729 | 3.2 | 89 | -0.01 |
| 77 | | Pyrene | 40.000 | 38.677 | 3.3 | 101 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 73.680 | 7.9 | 97 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.353 | -10.9 | 107 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 42.279 | -5.7 | 103 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 50.380 | -26.0# | 130 | -0.01 |
| 82 | | Chrysene | 40.000 | 40.932 | -2.3 | 102 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 46.169 | -15.4 | 109 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 50.295 | -25.7# | 116 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 64.332 | -60.8# | 153 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 140 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 33.426 | 16.4 | 115 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.417 | -1.0 | 153 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.079 | 2.3 | 139 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 43.021 | -7.6 | 155 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.447 | -1.1 | 145 | -0.01 |

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