# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081715\
Data File : BF081041.D
Acq On : 18 Aug 2015 11:06
Operator : UM/IZ
Sample : SSTDICCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 18 13:05:20 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 17 17:57:25 2015
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 | 97 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 42.294 | -5.7 | 100 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.963 | -2.4 | 88 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 43.865 | -9.7 | 104 | 0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.243 | -2.8 | 103 | 0.01 |
| 6 | | Aniline | 40.000 | 41.288 | -3.2 | 102 | 0.01 |
| 7 | S | Phenol-d6 | 80.000 | 87.051 | -8.8 | 100 | 0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 41.262 | -3.2 | 92 | 0.01 |
| 9 | | Benzaldehyde | 40.000 | 43.248 | -8.1 | 98 | 0.01 |
| 10 | C | Phenol | 40.000 | 44.170 | -10.4 | 96 | 0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 43.230 | -8.1 | 103 | 0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 43.616 | -9.0 | 105 | 0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 44.835 | -12.1 | 109 | 0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.864 | 2.8 | 87 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 44.012 | -10.0 | 114 | 0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.751 | -1.9 | 95 | 0.01 |
| 17 | | 2-Methylphenol | 40.000 | 39.266 | 1.8 | 92 | 0.01 |
| 18 | | Hexachloroethane | 40.000 | 31.786 | 20.5 | 74 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.118 | -5.3 | 95 | 0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.777 | 0.6 | 97 | 0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 101 | 0.01 |
| 22 | | Acetophenone | 40.000 | 39.560 | 1.1 | 93 | 0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.614 | 3.0 | 99 | 0.01 |
| 24 | | Nitrobenzene | 40.000 | 42.922 | -7.3 | 102 | 0.01 |
| 25 | | Isophorone | 40.000 | 37.825 | 5.4 | 94 | 0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 35.694 | 10.8 | 94 | 0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.733 | 0.7 | 91 | 0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.941 | 7.6 | 93 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.442 | -1.1 | 96 | 0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.225 | 4.4 | 91 | 0.00 |
| 31 | | Naphthalene | 40.000 | 42.091 | -5.2 | 104 | 0.01 |
| 32 | | Benzoic acid | 40.000 | 36.817 | 8.0 | 108 | 0.06 |
| 33 | | 4-Chloroaniline | 40.000 | 42.801 | -7.0 | 115 | 0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.787 | -7.0 | 106 | 0.01 |
| 35 | | Caprolactam | 40.000 | 38.198 | 4.5 | 91 | 0.05 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.460 | -1.2 | 100 | 0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 35.473 | 11.3 | 86 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 94 | 0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 44.402 | -11.0 | 104 | 0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 4.959 | 87.6# | 11 | 0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 69.452 | 13.2 | 85 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.499 | -8.7 | 102 | 0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.520 | 1.2 | 83 | 0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 75.838 | 5.2 | 99 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 43.650 | -9.1 | 92 | 0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 42.126 | -5.3 | 101 | 0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 39.919 | 0.2 | 92 | 0.01 |
| 48 | | Acenaphthylene | 40.000 | 39.721 | 0.7 | 99 | 0.01 |
| 49 | | Dimethylphthalate | 40.000 | 42.493 | -6.2 | 93 | 0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.486 | 3.8 | 83 | 0.01 |
| 51 | C | Acenaphthene | 40.000 | 38.277 | 4.3 | 92 | 0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 37.240 | 6.9 | 89 | 0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 7.135 | 82.2# | 10 | 0.01 |
| 54 | | Dibenzofuran | 40.000 | 38.189 | 4.5 | 95 | 0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 37.224 | 6.9 | 91 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 35.619 | 11.0 | 81 | 0.01 |
| 57 | | Fluorene | 40.000 | 34.701 | 13.2 | 86 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 35.790 | 10.5 | 76 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 41.358 | -3.4 | 94 | 0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.678 | 5.8 | 87 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 38.578 | 3.6 | 92 | 0.01 |
| 62 | | Azobenzene | 40.000 | 38.920 | 2.7 | 85 | 0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 79 | 0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 8.516 | 78.7# | 15 | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 46.870 | -17.2 | 89 | 0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 46.420 | -16.1 | 94 | 0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 42.363 | -5.9 | 78 | 0.01 |
| 68 | | Atrazine | 40.000 | 34.222 | 14.4 | 68 | 0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 42.495 | -6.2 | 82 | 0.01 |
| 70 | | Phenanthrene | 40.000 | 42.066 | -5.2 | 85 | 0.01 |
| 71 | | Anthracene | 40.000 | 40.053 | -0.1 | 77 | 0.01 |
| 72 | | Carbazole | 40.000 | 39.809 | 0.5 | 70 | 0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.894 | -4.7 | 79 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 41.430 | -3.6 | 79 | 0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 82 | 0.01 |
| 76 | | Benzidine | 40.000 | 49.095 | -22.7 | 82 | 0.01 |
| 77 | | Pyrene | 40.000 | 39.263 | 1.8 | 85 | 0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 72.785 | 9.0 | 71 | 0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.327 | -5.8 | 78 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.776 | 3.1 | 75 | 0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 46.683 | -16.7 | 96 | 0.01 |
| 82 | | Chrysene | 40.000 | 37.018 | 7.5 | 70 | 0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.693 | -11.7 | 87 | 0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 52.278 | -30.7# | 99 | 0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 36.250 | 9.4 | 71 | 0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 73 | 0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.000 | 2.5 | 65 | 0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 45.594 | -14.0 | 90 | 0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 42.598 | -6.5 | 77 | 0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.086 | -2.7 | 73 | 0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.088 | 2.3 | 70 | 0.03 |

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