# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
Data File : BF083197.D
Acq On : 23 Nov 2015 11:11
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 24 00:59:49 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 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 | 108 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 38.680 | 3.3 | 109 | -0.09 |
| 3 | | Pyridine | 40.000 | 44.735 | -11.8 | 123 | -0.33 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.243 | -10.6 | 110 | -0.10 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.824 | -1.0 | 112 | -0.05 |
| 6 | | Aniline | 40.000 | 46.160 | -15.4 | 120 | -0.03 |
| 7 | S | Phenol-d6 | 80.000 | 79.914 | 0.1 | 114 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 41.163 | -2.9 | 115 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 41.970 | -4.9 | 111 | -0.03 |
| 10 | C | Phenol | 40.000 | 37.591 | 6.0 | 114 | -0.03 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 43.194 | -8.0 | 120 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.077 | -0.2 | 112 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.250 | -0.6 | 113 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.825 | 5.4 | 102 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 37.885 | 5.3 | 102 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.673 | -11.7 | 125 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 41.378 | -3.4 | 116 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 40.135 | -0.3 | 109 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.659 | 0.9 | 114 | -0.03 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.941 | -9.9 | 119 | -0.03 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 110 | -0.02 |
| 22 | | Acetophenone | 40.000 | 39.865 | 0.3 | 116 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.721 | -3.4 | 115 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 39.121 | 2.2 | 110 | -0.02 |
| 25 | | Isophorone | 40.000 | 40.176 | -0.4 | 113 | -0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.361 | -0.9 | 104 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.262 | 1.8 | 113 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.998 | 0.0 | 109 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.378 | -3.4 | 113 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.422 | 3.9 | 108 | -0.02 |
| 31 | | Naphthalene | 40.000 | 39.649 | 0.9 | 111 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 39.951 | 0.1 | 102 | -0.06 |
| 33 | | 4-Chloroaniline | 40.000 | 41.028 | -2.6 | 115 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.642 | 0.9 | 111 | -0.01 |
| 35 | | Caprolactam | 40.000 | 37.617 | 6.0 | 106 | -0.09 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.795 | 5.5 | 107 | -0.03 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.705 | 3.2 | 111 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 107 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.748 | 3.1 | 107 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 36.668 | 8.3 | 95 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 75.793 | 5.3 | 99 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.103 | -2.8 | 111 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.092 | 2.3 | 107 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 80.856 | -1.1 | 123 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.022 | 4.9 | 99 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.146 | -0.4 | 111 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 41.791 | -4.5 | 118 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 40.589 | -1.5 | 110 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 41.033 | -2.6 | 112 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.423 | 3.9 | 113 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 42.415 | -6.0 | 115 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 41.886 | -4.7 | 109 | -0.03 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 39.186 | 2.0 | 103 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 39.245 | 1.9 | 105 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 41.651 | -4.1 | 114 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.192 | 2.0 | 112 | -0.02 |
| 57 | | Fluorene | 40.000 | 39.455 | 1.4 | 110 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.593 | 1.0 | 104 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 36.730 | 8.2 | 99 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.410 | 4.0 | 109 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 42.285 | -5.7 | 107 | -0.03 |
| 62 | | Azobenzene | 40.000 | 39.961 | 0.1 | 111 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 106 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.820 | -2.1 | 100 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 37.704 | 5.7 | 106 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.405 | 1.5 | 104 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 38.179 | 4.6 | 104 | -0.01 |
| 68 | | Atrazine | 40.000 | 39.808 | 0.5 | 104 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 38.007 | 5.0 | 99 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 36.581 | 8.5 | 99 | -0.02 |
| 71 | | Anthracene | 40.000 | 40.995 | -2.5 | 118 | -0.01 |
| 72 | | Carbazole | 40.000 | 40.766 | -1.9 | 107 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.127 | 4.7 | 104 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 38.799 | 3.0 | 112 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 109 | -0.02 |
| 76 | | Benzidine | 40.000 | 46.548 | -16.4 | 117 | -0.02 |
| 77 | | Pyrene | 40.000 | 37.702 | 5.7 | 107 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 75.047 | 6.2 | 104 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 36.411 | 9.0 | 100 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 42.035 | -5.1 | 116 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.288 | -0.7 | 112 | -0.02 |
| 82 | | Chrysene | 40.000 | 35.212 | 12.0 | 102 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 35.089 | 12.3 | 99 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 34.551 | 13.6 | 97 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.086 | 7.3 | 111 | -0.05 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 119 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.529 | 1.2 | 117 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 36.364 | 9.1 | 117 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.694 | 5.8 | 115 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 34.422 | 13.9 | 108 | -0.05 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 34.320 | 14.2 | 108 | -0.05 |

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