# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083006.D
Acq On : 18 Nov 2015 12:58
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 19 01:44:52 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 18 13:32:32 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 | 157 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.732 | -1.8 | 157 | 0.00 |
| 3 | | Pyridine | 40.000 | 43.944 | -9.9 | 167 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.241 | 1.9 | 158 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.888 | 2.6 | 151 | 0.00 |
| 6 | | Aniline | 40.000 | 36.904 | 7.7 | 153 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 72.116 | 9.9 | 146 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 35.479 | 11.3 | 141 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.020 | 9.9 | 134 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.272 | 6.8 | 139 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.189 | 7.0 | 139 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.493 | 8.8 | 142 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 34.368 | 14.1 | 149 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.662 | 0.8 | 156 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 32.832 | 17.9 | 134 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.715 | 3.2 | 156 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 36.661 | 8.3 | 143 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.116 | 2.2 | 164 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.541 | 8.6 | 147 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.383 | 6.5 | 164 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 157 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.827 | 0.4 | 171 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 72.593 | 9.3 | 144 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.544 | 6.1 | 153 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.708 | 3.2 | 158 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.693 | 3.3 | 139 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.422 | 6.4 | 154 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.086 | -2.7 | 157 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.166 | 2.1 | 158 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.752 | 3.1 | 154 | 0.00 |
| 31 | | Naphthalene | 40.000 | 35.090 | 12.3 | 144 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 37.657 | 5.9 | 145 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 33.780 | 15.5 | 133 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 34.370 | 14.1 | 138 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.838 | 2.9 | 146 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.973 | -2.4 | 166 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.019 | 2.5 | 160 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 163 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.077 | 7.3 | 139 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 38.410 | 4.0 | 148 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 67.111 | 16.1 | 143 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 37.468 | 6.3 | 158 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.615 | 3.5 | 155 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 62.626 | 21.7 | 136 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.109 | -2.8 | 155 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.638 | 0.9 | 152 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 35.421 | 11.4 | 131 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 37.913 | 5.2 | 159 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 33.529 | 16.2 | 150 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.726 | -4.3 | 190 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.249 | 1.9 | 166 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 40.176 | -0.4 | 146 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 35.532 | 11.2 | 125 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.842 | 2.9 | 165 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 42.419 | -6.0 | 174 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.946 | 2.6 | 175 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.517 | 1.2 | 164 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 34.498 | 13.8 | 151 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 38.084 | 4.8 | 157 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 30.585 | 23.5 | 130 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 45.247 | -13.1 | 191 | 0.00 |
| 62 | | Azobenzene | 40.000 | 35.629 | 10.9 | 146 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 154 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.210 | -5.5 | 167 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 35.645 | 10.9 | 137 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.322 | 4.2 | 163 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 37.284 | 6.8 | 158 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.556 | 1.1 | 162 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 34.547 | 13.6 | 122 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 32.356 | 19.1 | 125 | 0.00 |
| 71 | | Anthracene | 40.000 | 37.677 | 5.8 | 157 | 0.00 |
| 72 | | Carbazole | 40.000 | 34.278 | 14.3 | 130 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 33.035 | 17.4 | 130 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 37.684 | 5.8 | 144 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 124 | 0.00 |
| 76 | | Benzidine | 40.000 | 40.163 | -0.4 | 119 | 0.00 |
| 77 | | Pyrene | 40.000 | 46.059 | -15.1 | 149 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 73.735 | 7.8 | 113 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 49.781 | -24.5 | 165 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 44.726 | -11.8 | 147 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.971 | -12.4 | 140 | 0.00 |
| 82 | | Chrysene | 40.000 | 45.318 | -13.3 | 153 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.593 | -9.0 | 143 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.368 | -3.4 | 130 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.088 | 2.3 | 128 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 124 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.785 | 0.5 | 137 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 34.342 | 14.1 | 102 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.740 | 5.6 | 120 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.909 | 0.2 | 126 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.945 | -7.4 | 139 | 0.00 |

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