# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083975.D
Acq On : 20 Dec 2015 2:40
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 20 07:12:58 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 14:23:22 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 | 148 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 39.623 | 0.9 | 149 | -0.05 |
| 3 | | Pyridine | 40.000 | 37.792 | 5.5 | 139 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.023 | 9.9 | 129 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 68.799 | 14.0 | 133 | -0.02 |
| 6 | | Aniline | 40.000 | 34.955 | 12.6 | 131 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 69.284 | 13.4 | 127 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 33.851 | 15.4 | 136 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 36.933 | 7.7 | 134 | -0.02 |
| 10 | C | Phenol | 40.000 | 31.148 | 22.1# | 121 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.829 | 5.4 | 129 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.328 | 4.2 | 151 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 34.997 | 12.5 | 151 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 43.296 | -8.2 | 148 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 35.169 | 12.1 | 144 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.558 | 1.1 | 158 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 34.523 | 13.7 | 136 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 32.888 | 17.8 | 132 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.806 | 3.0 | 157 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.220 | 7.0 | 157 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 148 | -0.02 |
| 22 | | Acetophenone | 40.000 | 38.106 | 4.7 | 152 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.956 | -1.2 | 161 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 35.932 | 10.2 | 133 | -0.02 |
| 25 | | Isophorone | 40.000 | 39.562 | 1.1 | 159 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.943 | 5.1 | 137 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.162 | -5.4 | 173 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.535 | -1.3 | 172 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.956 | 0.1 | 152 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.865 | 5.3 | 158 | -0.02 |
| 31 | | Naphthalene | 40.000 | 38.292 | 4.3 | 148 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 50.877 | -27.2# | 236 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.323 | 4.2 | 164 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.060 | 7.3 | 146 | -0.02 |
| 35 | | Caprolactam | 40.000 | 35.086 | 12.3 | 150 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.348 | -3.4 | 151 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.664 | 8.3 | 148 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 156 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 33.678 | 15.8 | 150 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 25.010 | 37.5# | 77 | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 76.012 | 5.0 | 156 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 34.625 | 13.4 | 146 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 36.693 | 8.3 | 150 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 71.698 | 10.4 | 148 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 33.563 | 16.1 | 138 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.034 | 9.9 | 150 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 38.021 | 4.9 | 165 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 35.615 | 11.0 | 152 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 37.652 | 5.9 | 157 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 31.820 | 20.4 | 127 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 36.231 | 9.4 | 151 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 39.366 | 1.6 | 166 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 32.443 | 18.9 | 129 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 35.681 | 10.8 | 152 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 32.882 | 17.8 | 121 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 36.298 | 9.3 | 154 | -0.02 |
| 57 | | Fluorene | 40.000 | 36.305 | 9.2 | 146 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 33.088 | 17.3 | 137 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 34.477 | 13.8 | 145 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 35.809 | 10.5 | 147 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 35.215 | 12.0 | 158 | -0.01 |
| 62 | | Azobenzene | 40.000 | 36.458 | 8.9 | 146 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 148 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 30.337 | 24.2 | 109 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 34.645 | 13.4 | 144 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.242 | 6.9 | 149 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 39.698 | 0.8 | 149 | -0.02 |
| 68 | | Atrazine | 40.000 | 35.980 | 10.1 | 153 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 39.497 | 1.3 | 163 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 35.313 | 11.7 | 143 | -0.03 |
| 71 | | Anthracene | 40.000 | 36.973 | 7.6 | 142 | -0.02 |
| 72 | | Carbazole | 40.000 | 33.846 | 15.4 | 143 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 36.798 | 8.0 | 136 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 31.748 | 20.6# | 128 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 94 | -0.02 |
| 76 | | Benzidine | 40.000 | 31.393 | 21.5 | 79 | -0.03 |
| 77 | | Pyrene | 40.000 | 49.364 | -23.4 | 129 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 117.973 | -47.5# | 133 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 54.412 | -36.0# | 145 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 35.341 | 11.6 | 96 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 33.230 | 16.9 | 87 | -0.03 |
| 82 | | Chrysene | 40.000 | 31.716 | 20.7 | 87 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.141 | -10.4 | 117 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 50.209 | -25.5# | 122 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 57.185 | -43.0# | 139 | -0.05 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 116 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 31.288 | 21.8 | 99 | -0.03 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.027 | 2.4 | 117 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.576 | 6.1 | 113 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 44.196 | -10.5 | 134 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 49.576 | -23.9 | 153 | -0.05 |

(#) = Out of Range SPCC's out = 0 CCC's out = 3