# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102215\
Data File : BF082447.D
Acq On : 22 Oct 2015 15:58
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 23 01:21:28 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 21 13:20:24 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 | 0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 35.674 | 10.8 | 149 | 0.01 |
| 3 | | Pyridine | 40.000 | 42.532 | -6.3 | 170 | 0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.697 | -6.7 | 161 | 0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.904 | -4.9 | 158 | 0.01 |
| 6 | | Aniline | 40.000 | 39.216 | 2.0 | 148 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.825 | 6.5 | 142 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.248 | 6.9 | 149 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 41.117 | -2.8 | 149 | 0.00 |
| 10 | C | Phenol | 40.000 | 34.218 | 14.5 | 125 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 35.932 | 10.2 | 139 | 0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.088 | 7.3 | 147 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 35.041 | 12.4 | 137 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.147 | 4.6 | 164 | 0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 43.264 | -8.2 | 163 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.913 | 15.2 | 142 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 36.937 | 7.7 | 146 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 35.988 | 10.0 | 145 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.883 | 5.3 | 154 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.192 | 4.5 | 154 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 156 | 0.01 |
| 22 | | Acetophenone | 40.000 | 38.274 | 4.3 | 152 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.106 | -1.4 | 155 | 0.01 |
| 24 | | Nitrobenzene | 40.000 | 35.091 | 12.3 | 151 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.826 | 5.4 | 153 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.525 | -8.8 | 152 | 0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.018 | -2.5 | 166 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.046 | -0.1 | 146 | 0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.188 | 4.5 | 140 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.472 | 1.3 | 155 | 0.01 |
| 31 | | Naphthalene | 40.000 | 39.024 | 2.4 | 158 | 0.01 |
| 32 | | Benzoic acid | 40.000 | 35.465 | 11.3 | 142 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.028 | 2.4 | 145 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 34.344 | 14.1 | 136 | 0.01 |
| 35 | | Caprolactam | 40.000 | 45.240 | -13.1 | 166 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.944 | -7.4 | 169 | 0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.106 | 9.7 | 139 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 157 | 0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.308 | 6.7 | 156 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 29.582 | 26.0# | 108 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 61.583 | 23.0 | 129 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.772 | 3.1 | 164 | 0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 34.743 | 13.1 | 140 | 0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 77.161 | 3.5 | 144 | 0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 33.521 | 16.2 | 144 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 35.116 | 12.2 | 143 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 45.220 | -13.0 | 184 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.097 | 4.8 | 154 | 0.01 |
| 49 | | Dimethylphthalate | 40.000 | 38.824 | 2.9 | 173 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 36.727 | 8.2 | 140 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 36.795 | 8.0 | 145 | 0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 39.384 | 1.5 | 153 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 36.694 | 8.3 | 141 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 37.069 | 7.3 | 147 | 0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.903 | -2.3 | 147 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.702 | -6.8 | 166 | 0.00 |
| 57 | | Fluorene | 40.000 | 38.919 | 2.7 | 157 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 36.007 | 10.0 | 155 | 0.01 |
| 59 | | Diethylphthalate | 40.000 | 39.374 | 1.6 | 162 | 0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 35.226 | 11.9 | 148 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.753 | -4.4 | 158 | 0.00 |
| 62 | | Azobenzene | 40.000 | 35.112 | 12.2 | 148 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 165 | 0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.759 | -6.9 | 160 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 35.676 | 10.8 | 150 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 34.349 | 14.1 | 146 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 34.600 | 13.5 | 144 | 0.01 |
| 68 | | Atrazine | 40.000 | 37.779 | 5.6 | 172 | 0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 36.274 | 9.3 | 135 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 35.521 | 11.2 | 156 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.403 | -1.0 | 162 | 0.01 |
| 72 | | Carbazole | 40.000 | 39.974 | 0.1 | 170 | 0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 34.488 | 13.8 | 144 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 35.616 | 11.0 | 145 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 162 | -0.03 |
| 76 | | Benzidine | 40.000 | 37.920 | 5.2 | 150 | 0.00 |
| 77 | | Pyrene | 40.000 | 37.828 | 5.4 | 160 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 70.016 | 12.5 | 146 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 37.960 | 5.1 | 164 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.051 | 4.9 | 161 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 37.111 | 7.2 | 155 | -0.03 |
| 82 | | Chrysene | 40.000 | 37.114 | 7.2 | 173 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 35.187 | 12.0 | 145 | -0.03 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 36.096 | 9.8 | 157 | -0.07 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 34.913 | 12.7 | 160 | -0.09 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 166 | -0.09 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.438 | 8.9 | 137 | -0.08 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.268 | -3.2 | 204 | -0.08 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.797 | 5.5 | 163 | -0.09 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 36.334 | 9.2 | 158 | -0.10 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 36.417 | 9.0 | 164 | -0.11 |

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