# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
Data File : BF087655.D
Acq On : 4 Jun 2016 9:43
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF060416

Quant Time: Jun 05 01:10:04 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 04 11:07:28 2016
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 | 102 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 40.304 | -0.8 | 100 | 0.00 |
| 3 | | Pyridine | 40.000 | 42.869 | -7.2 | 104 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.000 | 0.0 | 99 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.267 | -5.3 | 103 | 0.00 |
| 6 | | Aniline | 40.000 | 40.486 | -1.2 | 102 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 82.530 | -3.2 | 102 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.493 | 3.8 | 103 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 41.233 | -3.1 | 101 | 0.00 |
| 10 | C | Phenol | 40.000 | 45.214 | -13.0 | 104 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.486 | 6.3 | 104 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.929 | 5.2 | 103 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.573 | 1.1 | 102 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.618 | 3.5 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.052 | -5.1 | 101 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.230 | -0.6 | 104 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.193 | -0.5 | 102 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.362 | -3.4 | 103 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.328 | 6.7 | 103 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.900 | 7.8 | 100 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.695 | -6.7 | 101 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.062 | 1.2 | 102 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 43.575 | -8.9 | 101 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.188 | -0.5 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.419 | 1.5 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.222 | -5.6 | 103 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.070 | 2.3 | 101 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.914 | 0.2 | 102 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.173 | -2.9 | 104 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.408 | -1.0 | 102 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 45.516 | -13.8 | 103 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 38.207 | 4.5 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.274 | -5.7 | 103 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.973 | 2.6 | 98 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.651 | -1.6 | 98 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.431 | 1.4 | 100 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.572 | 1.1 | 103 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 38.095 | 4.8 | 103 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 76.265 | 4.7 | 104 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.157 | 2.1 | 102 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 43.245 | -8.1 | 105 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 83.766 | -4.7 | 104 | 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 | 35.839 | 10.4 | 100 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.287 | 9.3 | 104 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 37.009 | 7.5 | 102 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.207 | -0.5 | 106 | 0.01 |
| 49 | | Dimethylphthalate | 40.000 | 41.135 | -2.8 | 102 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.181 | -8.0 | 103 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 40.266 | -0.7 | 105 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 36.911 | 7.7 | 107 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 40.506 | -1.3 | 99 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 41.185 | -3.0 | 104 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.491 | 13.8 | 106 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 45.911 | -14.8 | 106 | 0.00 |
| 57 | | Fluorene | 40.000 | 36.880 | 7.8 | 106 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.931 | 2.7 | 106 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 38.369 | 4.1 | 103 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.837 | 2.9 | 102 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 43.286 | -8.2 | 102 | 0.00 |
| 62 | | Azobenzene | 40.000 | 41.597 | -4.0 | 104 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.964 | 2.6 | 100 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.418 | 4.0 | 102 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 44.078 | -10.2 | 104 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 37.840 | 5.4 | 102 | 0.00 |
| 68 | | Atrazine | 40.000 | 42.137 | -5.3 | 103 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 43.749 | -9.4 | 101 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 37.178 | 7.1 | 104 | 0.00 |
| 71 | | Anthracene | 40.000 | 42.352 | -5.9 | 102 | 0.00 |
| 72 | | Carbazole | 40.000 | 37.752 | 5.6 | 102 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 42.937 | -7.3 | 103 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 41.812 | -4.5 | 104 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 76 | | Benzidine | 40.000 | 44.201 | -10.5 | 98 | 0.00 |
| 77 | | Pyrene | 40.000 | 41.938 | -4.8 | 106 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 75.350 | 5.8 | 104 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.891 | -12.2 | 106 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.169 | -0.4 | 102 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 45.640 | -14.1 | 106 | 0.00 |
| 82 | | Chrysene | 40.000 | 41.248 | -3.1 | 106 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.878 | -9.7 | 105 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.279 | -3.2 | 103 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 43.183 | -8.0 | 108 | 0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 107 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 42.228 | -5.6 | 110 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 37.684 | 5.8 | 106 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.751 | -1.9 | 106 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.996 | -5.0 | 109 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.026 | -5.1 | 109 | 0.00 |

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