# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089465.D
Acq On : 31 Jul 2016 10:53
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 01 12:37:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 04:11:30 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 | 115 | -0.06 |
| 2 | | 1,4-Dioxane | 40.000 | 41.622 | -4.1 | 123 | -0.08 |
| 3 | | Pyridine | 40.000 | 47.083 | -17.7 | 126 | -0.11 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.340 | -3.4 | 121 | -0.10 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.686 | -0.9 | 112 | -0.06 |
| 6 | | Aniline | 40.000 | 47.241 | -18.1 | 127 | -0.05 |
| 7 | S | Phenol-d6 | 80.000 | 79.568 | 0.5 | 109 | -0.05 |
| 8 | | 2-Chlorophenol | 40.000 | 39.963 | 0.1 | 105 | -0.06 |
| 9 | | Benzaldehyde | 40.000 | 35.413 | 11.5 | 99 | -0.06 |
| 10 | C | Phenol | 40.000 | 43.869 | -9.7 | 115 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.694 | 3.3 | 110 | -0.06 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.020 | 2.4 | 106 | -0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.505 | 1.2 | 107 | -0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.013 | -2.5 | 121 | -0.06 |
| 15 | | Benzyl Alcohol | 40.000 | 42.987 | -7.5 | 119 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.804 | 0.5 | 108 | -0.05 |
| 17 | | 2-Methylphenol | 40.000 | 37.500 | 6.3 | 106 | -0.03 |
| 18 | | Hexachloroethane | 40.000 | 40.172 | -0.4 | 112 | -0.05 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 43.459 | -8.6 | 117 | -0.05 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.041 | -2.6 | 111 | -0.03 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 113 | -0.05 |
| 22 | | Acetophenone | 40.000 | 43.300 | -8.2 | 113 | -0.05 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 87.882 | -9.9 | 118 | -0.05 |
| 24 | | Nitrobenzene | 40.000 | 36.529 | 8.7 | 102 | -0.05 |
| 25 | | Isophorone | 40.000 | 39.707 | 0.7 | 109 | -0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.763 | -1.9 | 114 | -0.06 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.989 | -2.5 | 112 | -0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 45.321 | -13.3 | 120 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 45.032 | -12.6 | 118 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.667 | -1.7 | 112 | -0.06 |
| 31 | | Naphthalene | 40.000 | 41.552 | -3.9 | 119 | -0.05 |
| 32 | | Benzoic acid | 40.000 | 42.838 | -7.1 | 118 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 42.966 | -7.4 | 124 | -0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.492 | 1.3 | 105 | -0.05 |
| 35 | | Caprolactam | 40.000 | 43.499 | -8.7 | 119 | -0.04 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.882 | -9.7 | 113 | -0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.815 | -2.0 | 113 | -0.06 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 111 | -0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.986 | -2.5 | 119 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 37.971 | 5.1 | 106 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 81.477 | -1.8 | 108 | -0.05 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.164 | -7.9 | 114 | -0.05 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.827 | -2.1 | 113 | -0.05 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 84.236 | -5.3 | 112 | -0.05 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.417 | -3.5 | 122 | -0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 43.033 | -7.6 | 122 | -0.05 |
| 47 | | 2-Nitroaniline | 40.000 | 46.458 | -16.1 | 128 | -0.06 |
| 48 | | Acenaphthylene | 40.000 | 39.349 | 1.6 | 104 | -0.06 |
| 49 | | Dimethylphthalate | 40.000 | 40.106 | -0.3 | 109 | -0.05 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.405 | -8.5 | 111 | -0.05 |
| 51 | C | Acenaphthene | 40.000 | 39.456 | 1.4 | 106 | -0.06 |
| 52 | | 3-Nitroaniline | 40.000 | 46.910 | -17.3 | 127 | -0.05 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 40.103 | -0.3 | 119 | -0.05 |
| 54 | | Dibenzofuran | 40.000 | 40.001 | -0.0 | 111 | -0.05 |
| 55 | P | 4-Nitrophenol | 40.000 | 42.473 | -6.2 | 125 | -0.05 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.299 | -5.7 | 112 | -0.05 |
| 57 | | Fluorene | 40.000 | 37.686 | 5.8 | 102 | -0.06 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 45.979 | -14.9 | 115 | -0.05 |
| 59 | | Diethylphthalate | 40.000 | 37.681 | 5.8 | 110 | -0.05 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.207 | 2.0 | 113 | -0.06 |
| 61 | | 4-Nitroaniline | 40.000 | 44.380 | -11.0 | 119 | -0.05 |
| 62 | | Azobenzene | 40.000 | 41.357 | -3.4 | 121 | -0.05 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 116 | -0.06 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.454 | -3.6 | 115 | -0.05 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.944 | -4.9 | 124 | -0.05 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.311 | 1.7 | 106 | -0.05 |
| 67 | | Hexachlorobenzene | 40.000 | 42.081 | -5.2 | 126 | -0.05 |
| 68 | | Atrazine | 40.000 | 43.216 | -8.0 | 115 | -0.05 |
| 69 | C | Pentachlorophenol | 40.000 | 40.797 | -2.0 | 127 | -0.05 |
| 70 | | Phenanthrene | 40.000 | 38.299 | 4.3 | 106 | -0.06 |
| 71 | | Anthracene | 40.000 | 40.806 | -2.0 | 123 | -0.05 |
| 72 | | Carbazole | 40.000 | 41.049 | -2.6 | 120 | -0.06 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.281 | 4.3 | 115 | -0.05 |
| 74 | C | Fluoranthene | 40.000 | 38.937 | 2.7 | 106 | -0.06 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 110 | -0.06 |
| 76 | | Benzidine | 40.000 | 36.122 | 9.7 | 100 | -0.06 |
| 77 | | Pyrene | 40.000 | 43.587 | -9.0 | 123 | -0.05 |
| 78 | S | Terphenyl-d14 | 80.000 | 90.854 | -13.6 | 130 | -0.05 |
| 79 | | Butylbenzylphthalate | 40.000 | 43.860 | -9.6 | 111 | -0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 42.530 | -6.3 | 117 | -0.06 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 43.276 | -8.2 | 118 | -0.06 |
| 82 | | Chrysene | 40.000 | 42.815 | -7.0 | 125 | -0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.671 | -6.7 | 118 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 44.382 | -11.0 | 124 | -0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.626 | 5.9 | 110 | -0.09 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 120 | -0.06 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 47.412 | -18.5 | 155 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 36.135 | 9.7 | 98 | -0.05 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.473 | 1.3 | 117 | -0.06 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.421 | 1.4 | 118 | -0.08 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.325 | 1.7 | 115 | -0.09 |

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