# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF051616\
Data File : BF087075.D
Acq On : 16 May 2016 12:10
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 17 10:51:38 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 01:12:04 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 | 118 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 42.727 | -6.8 | 126 | 0.00 |
| 3 | | Pyridine | 40.000 | 43.508 | -8.8 | 127 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 45.477 | -13.7 | 128 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 87.880 | -9.8 | 128 | 0.00 |
| 6 | | Aniline | 40.000 | 43.129 | -7.8 | 128 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.844 | 2.7 | 115 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.273 | -0.7 | 119 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.227 | 1.9 | 120 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.292 | 1.8 | 113 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.466 | 3.8 | 107 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.550 | -3.9 | 124 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.290 | -3.2 | 129 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.425 | 8.9 | 104 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 44.823 | -12.1 | 130 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.131 | 4.7 | 119 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.378 | -3.4 | 118 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 43.096 | -7.7 | 129 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 43.662 | -9.2 | 120 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.970 | -4.9 | 119 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 117 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.735 | -6.8 | 127 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.727 | -4.7 | 123 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 44.631 | -11.6 | 129 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.842 | -2.1 | 126 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.865 | 0.3 | 111 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 43.195 | -8.0 | 137 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 44.320 | -10.8 | 126 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.659 | -1.6 | 120 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.383 | -1.0 | 119 | 0.00 |
| 31 | | Naphthalene | 40.000 | 36.180 | 9.6 | 108 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 29.617 | 26.0# | 88 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 43.653 | -9.1 | 126 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.451 | 3.9 | 112 | 0.00 |
| 35 | | Caprolactam | 40.000 | 37.582 | 6.0 | 116 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.422 | 6.4 | 110 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 43.374 | -8.4 | 124 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 112 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.277 | 4.3 | 110 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 35.314 | 11.7 | 97 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 89.080 | -11.3 | 129 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.877 | 0.3 | 117 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.681 | 0.8 | 111 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 83.492 | -4.4 | 132 | 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 | 39.937 | 0.2 | 108 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.850 | 2.9 | 105 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 42.000 | -5.0 | 124 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.012 | 5.0 | 102 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 40.139 | -0.3 | 121 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 45.627 | -14.1 | 136 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.731 | 0.7 | 105 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 44.499 | -11.2 | 128 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 38.733 | 3.2 | 116 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.252 | 4.4 | 102 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 33.510 | 16.2 | 91 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 44.921 | -12.3 | 125 | 0.00 |
| 57 | | Fluorene | 40.000 | 35.878 | 10.3 | 96 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.270 | -0.7 | 107 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 42.041 | -5.1 | 117 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 49.717 | -24.3 | 134 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 44.979 | -12.4 | 118 | 0.00 |
| 62 | | Azobenzene | 40.000 | 44.430 | -11.1 | 128 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 115 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.404 | -1.0 | 120 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.036 | -5.1 | 127 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.862 | 5.3 | 104 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 42.132 | -5.3 | 134 | 0.00 |
| 68 | | Atrazine | 40.000 | 42.687 | -6.7 | 114 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 33.221 | 16.9 | 88 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 41.089 | -2.7 | 129 | 0.00 |
| 71 | | Anthracene | 40.000 | 35.834 | 10.4 | 100 | 0.00 |
| 72 | | Carbazole | 40.000 | 43.572 | -8.9 | 130 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 43.966 | -9.9 | 126 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 35.167 | 12.1 | 100 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |
| 76 | | Benzidine | 40.000 | 48.532 | -21.3 | 126 | 0.00 |
| 77 | | Pyrene | 40.000 | 40.144 | -0.4 | 119 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 71.857 | 10.2 | 103 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.746 | -6.9 | 127 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.993 | 2.5 | 115 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.105 | -10.3 | 120 | 0.00 |
| 82 | | Chrysene | 40.000 | 37.292 | 6.8 | 119 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.064 | -5.2 | 121 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.404 | -1.0 | 117 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.375 | -3.4 | 117 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 116 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 35.321 | 11.7 | 111 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 45.506 | -13.8 | 128 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.286 | 1.8 | 116 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 42.033 | -5.1 | 117 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.855 | -7.1 | 119 | 0.00 |

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