# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090349.D
Acq On : 4 Oct 2016 18:39
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 05 03:24:35 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 04 14:16:07 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 | 93 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 41.141 | -2.9 | 94 | 0.00 |
| 3 | | Pyridine | 40.000 | 42.803 | -7.0 | 98 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 46.618 | -16.5 | 106 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.844 | 1.4 | 84 | 0.00 |
| 6 | | Aniline | 40.000 | 40.903 | -2.3 | 93 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.091 | 1.1 | 88 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.608 | -1.5 | 96 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.879 | 2.8 | 91 | 0.00 |
| 10 | C | Phenol | 40.000 | 36.129 | 9.7 | 75 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.426 | 3.9 | 80 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.281 | -0.7 | 96 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.310 | 6.7 | 84 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.335 | -3.3 | 97 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.690 | 3.3 | 93 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.968 | -9.9 | 98 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.436 | 1.4 | 87 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.490 | -1.2 | 88 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 45.163 | -12.9 | 109 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.760 | -6.9 | 100 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.148 | -0.4 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 91.635 | -14.5 | 95 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 45.294 | -13.2 | 108 | 0.00 |
| 25 | | Isophorone | 40.000 | 43.052 | -7.6 | 101 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.712 | -6.8 | 95 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.481 | 1.3 | 85 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.776 | -6.9 | 88 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.299 | 6.8 | 79 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.848 | 7.9 | 81 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.170 | 2.1 | 92 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.328 | 4.2 | 87 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.409 | -1.0 | 83 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 35.966 | 10.1 | 80 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.836 | 2.9 | 83 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.190 | 2.0 | 90 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.781 | 0.5 | 86 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.394 | -3.5 | 86 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 43.083 | -7.7 | 98 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 65.223 | 18.5 | 63 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 45.119 | -12.8 | 92 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 44.527 | -11.3 | 87 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 91.928 | -14.9 | 92 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 44.270 | -10.7 | 97 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 44.778 | -11.9 | 90 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 47.215 | -18.0 | 95 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 41.789 | -4.5 | 80 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 41.025 | -2.6 | 87 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 44.615 | -11.5 | 100 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 40.685 | -1.7 | 83 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 38.977 | 2.6 | 78 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 42.882 | -7.2 | 87 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 39.740 | 0.6 | 81 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 45.479 | -13.7 | 86 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 46.134 | -15.3 | 100 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.935 | 0.2 | 82 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.164 | 7.1 | 69 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 41.196 | -3.0 | 82 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 42.821 | -7.1 | 88 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 46.974 | -17.4 | 89 | 0.00 |
| 62 | | Azobenzene | 40.000 | 48.159 | -20.4 | 107 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 82 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.185 | -3.0 | 86 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 44.858 | -12.1 | 89 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.746 | -1.9 | 87 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 37.619 | 6.0 | 80 | 0.00 |
| 68 | | Atrazine | 40.000 | 34.599 | 13.5 | 75 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 38.118 | 4.7 | 76 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 41.525 | -3.8 | 85 | 0.00 |
| 71 | | Anthracene | 40.000 | 38.995 | 2.5 | 77 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.752 | 0.6 | 85 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 43.539 | -8.8 | 85 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 39.639 | 0.9 | 77 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 75 | 0.00 |
| 76 | | Benzidine | 40.000 | 24.317 | 39.2# | 43 | 0.00 |
| 77 | | Pyrene | 40.000 | 42.474 | -6.2 | 77 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 90.308 | -12.9 | 83 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 49.209 | -23.0 | 89 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 42.265 | -5.7 | 83 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 47.734 | -19.3 | 89 | 0.00 |
| 82 | | Chrysene | 40.000 | 42.944 | -7.4 | 88 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 49.566 | -23.9 | 92 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 53.322 | -33.3# | 96 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 43.279 | -8.2 | 87 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.387 | 1.5 | 83 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 43.852 | -9.6 | 83 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 42.041 | -5.1 | 84 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 43.468 | -8.7 | 87 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 43.653 | -9.1 | 89 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1