# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100617\
Data File : BF099148.D
Acq On : 6 Oct 2017 15:33
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 06 22:54:28 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 05 17:20:48 2017
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 | 108 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.032 | 2.4 | 103 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.847 | 2.9 | 107 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.970 | 7.6 | 99 | 0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.722 | 1.6 | 105 | 0.00 |
| 6 | | Aniline | 40.000 | 39.810 | 0.5 | 108 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.499 | 0.6 | 106 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.528 | 1.2 | 108 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.102 | 12.2 | 97 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.591 | -4.0 | 113 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.046 | 2.4 | 106 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.156 | 2.1 | 107 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.566 | 3.6 | 106 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.579 | 3.6 | 104 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 36.824 | 7.9 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.666 | 10.8 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.471 | 1.3 | 107 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.088 | 4.8 | 105 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.038 | 12.4 | 99 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.331 | 9.2 | 98 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 106 | 0.00 |
| 22 | | Acetophenone | 40.000 | 35.843 | 10.4 | 98 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.315 | 0.9 | 104 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.000 | 2.5 | 104 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.555 | 3.6 | 105 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 45.190 | -13.0 | 116 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.791 | 3.0 | 105 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.354 | 4.1 | 105 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.398 | -1.0 | 108 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.151 | 2.1 | 105 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.414 | 4.0 | 105 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 36.849 | 7.9 | 94 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.990 | 0.0 | 107 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.948 | 5.1 | 104 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.515 | -3.8 | 114 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.781 | 3.0 | 104 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.197 | 4.5 | 104 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.138 | 2.2 | 105 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 33.010 | 17.5 | 85 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 81.502 | -1.9 | 104 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.921 | 2.7 | 103 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.878 | 2.8 | 101 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 75.291 | 5.9 | 99 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.204 | 4.5 | 102 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.145 | 2.1 | 105 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 40.468 | -1.2 | 104 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.732 | 3.2 | 104 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 39.335 | 1.7 | 106 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.059 | -5.1 | 108 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 36.676 | 8.3 | 98 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 43.254 | -8.1 | 109 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 39.452 | 1.4 | 105 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.029 | 4.9 | 102 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 38.393 | 4.0 | 98 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.588 | -6.5 | 109 | 0.00 |
| 57 | | Fluorene | 40.000 | 38.401 | 4.0 | 104 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.648 | 3.4 | 101 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 37.684 | 5.8 | 101 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.265 | 6.8 | 100 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 45.614 | -14.0 | 117 | 0.00 |
| 62 | | Azobenzene | 40.000 | 36.536 | 8.7 | 98 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.931 | -12.3 | 115 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.620 | 3.5 | 104 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.345 | 1.6 | 104 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 39.157 | 2.1 | 104 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.740 | 0.6 | 105 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 35.745 | 10.6 | 90 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.554 | 3.6 | 104 | 0.00 |
| 71 | | Anthracene | 40.000 | 38.896 | 2.8 | 104 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.761 | 0.6 | 105 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.586 | 6.0 | 99 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 39.391 | 1.5 | 106 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 76 | | Benzidine | 40.000 | 40.187 | -0.5 | 106 | 0.00 |
| 77 | | Pyrene | 40.000 | 39.314 | 1.7 | 105 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 76.996 | 3.8 | 102 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 40.097 | -0.2 | 103 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.644 | 0.9 | 107 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.373 | 1.6 | 103 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.549 | 1.1 | 106 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.002 | 7.5 | 97 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 37.024 | 7.4 | 100 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.205 | 4.5 | 110 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.381 | 1.5 | 102 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.466 | 1.3 | 105 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.386 | 1.5 | 104 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.832 | 0.4 | 108 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.089 | -5.2 | 114 | 0.00 |

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