# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF072817\
Data File : BF097158.D
Acq On : 28 Jul 2017 17:06
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 28 17:42:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 14:11:51 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 | 83 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 43.445 | -8.6 | 98 | 0.02 |
| 3 | | Pyridine | 40.000 | 40.998 | -2.5 | 78 | 0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.521 | -6.3 | 87 | 0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.230 | -0.3 | 86 | 0.01 |
| 6 | | Aniline | 40.000 | 39.000 | 2.5 | 80 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.033 | 1.2 | 82 | 0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 40.399 | -1.0 | 85 | 0.01 |
| 9 | | Benzaldehyde | 40.000 | 42.688 | -6.7 | 92 | 0.01 |
| 10 | C | Phenol | 40.000 | 39.911 | 0.2 | 81 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.363 | 1.6 | 81 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.770 | 3.1 | 81 | 0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.128 | -0.3 | 89 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.228 | -5.6 | 92 | 0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 41.739 | -4.3 | 94 | 0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.784 | 0.5 | 89 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.536 | -1.3 | 90 | 0.01 |
| 18 | | Hexachloroethane | 40.000 | 40.141 | -0.4 | 87 | 0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.039 | 4.9 | 85 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.040 | -2.6 | 91 | 0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 93 | 0.01 |
| 22 | | Acetophenone | 40.000 | 35.797 | 10.5 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 68.712 | 14.1 | 83 | 0.01 |
| 24 | | Nitrobenzene | 40.000 | 34.561 | 13.6 | 81 | 0.01 |
| 25 | | Isophorone | 40.000 | 36.920 | 7.7 | 90 | 0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.823 | 2.9 | 90 | 0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.098 | 7.3 | 83 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.054 | 9.9 | 84 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.786 | 3.0 | 87 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.429 | 6.4 | 89 | 0.01 |
| 31 | | Naphthalene | 40.000 | 38.899 | 2.8 | 95 | 0.01 |
| 32 | | Benzoic acid | 40.000 | 37.736 | 5.7 | 83 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.618 | 3.5 | 88 | 0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 36.877 | 7.8 | 87 | 0.01 |
| 35 | | Caprolactam | 40.000 | 39.113 | 2.2 | 87 | 0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 36.764 | 8.1 | 83 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.667 | 5.8 | 88 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 85 | 0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.268 | -0.7 | 83 | 0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 39.485 | 1.3 | 81 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 81.600 | -2.0 | 90 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.113 | -7.8 | 89 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.769 | -6.9 | 87 | 0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 85.954 | -7.4 | 90 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.324 | -3.3 | 86 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.521 | -3.8 | 87 | 0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 43.986 | -10.0 | 86 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 39.893 | 0.3 | 90 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 41.347 | -3.4 | 93 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.608 | -6.5 | 93 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 38.436 | 3.9 | 85 | 0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 42.107 | -5.3 | 94 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 41.148 | -2.9 | 83 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.083 | -0.2 | 89 | 0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 38.815 | 3.0 | 79 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.836 | -4.6 | 93 | 0.00 |
| 57 | | Fluorene | 40.000 | 43.021 | -7.6 | 94 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.959 | -9.9 | 95 | 0.01 |
| 59 | | Diethylphthalate | 40.000 | 42.931 | -7.3 | 96 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 42.452 | -6.1 | 92 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 44.247 | -10.6 | 94 | 0.00 |
| 62 | | Azobenzene | 40.000 | 40.595 | -1.5 | 82 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.824 | -7.1 | 93 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 37.789 | 5.5 | 93 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.583 | 3.5 | 93 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 37.231 | 6.9 | 90 | 0.00 |
| 68 | | Atrazine | 40.000 | 35.950 | 10.1 | 89 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 38.079 | 4.8 | 84 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 37.813 | 5.5 | 90 | 0.00 |
| 71 | | Anthracene | 40.000 | 37.504 | 6.2 | 90 | 0.00 |
| 72 | | Carbazole | 40.000 | 38.906 | 2.7 | 96 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.016 | 5.0 | 91 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 38.732 | 3.2 | 97 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 76 | | Benzidine | 40.000 | 34.628 | 13.4 | 76 | 0.00 |
| 77 | | Pyrene | 40.000 | 38.329 | 4.2 | 97 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 75.573 | 5.5 | 96 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 38.968 | 2.6 | 94 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.991 | 2.5 | 97 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.182 | 2.0 | 97 | 0.00 |
| 82 | | Chrysene | 40.000 | 40.301 | -0.8 | 100 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.568 | 8.6 | 90 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 37.458 | 6.4 | 90 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.855 | 5.4 | 100 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.637 | 0.9 | 103 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 35.299 | 11.8 | 92 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.641 | 5.9 | 99 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 36.876 | 7.8 | 100 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 36.125 | 9.7 | 97 | 0.00 |

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