# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF100517\
Data File : BF099092.D
Acq On : 5 Oct 2017 9:17
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 05 17:21:36 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 | 90 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.186 | 4.5 | 85 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.309 | 4.2 | 88 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.731 | 8.2 | 83 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.817 | 0.2 | 90 | 0.00 |
| 6 | | Aniline | 40.000 | 39.560 | 1.1 | 90 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.936 | -1.2 | 91 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.160 | -0.4 | 92 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.868 | 10.3 | 83 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.225 | -5.6 | 97 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.579 | 1.1 | 91 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.103 | -0.3 | 92 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.731 | 0.7 | 92 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.860 | 0.4 | 91 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.076 | 4.8 | 86 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.618 | 6.0 | 88 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.744 | 0.6 | 91 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.740 | 3.1 | 89 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.023 | 7.4 | 88 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.499 | 6.3 | 85 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 91 | 0.00 |
| 22 | | Acetophenone | 40.000 | 36.548 | 8.6 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.335 | 0.8 | 90 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.970 | 2.6 | 89 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.655 | 3.4 | 91 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.122 | -10.3 | 97 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.763 | 3.1 | 91 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.355 | 1.6 | 93 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.938 | 0.2 | 92 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.633 | 0.9 | 92 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.006 | 2.5 | 92 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.140 | 14.6 | 75 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.441 | 1.4 | 91 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.608 | 1.0 | 93 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.098 | -0.2 | 95 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.008 | 2.5 | 90 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.925 | 2.7 | 91 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 92 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.640 | 0.9 | 93 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 39.769 | 0.6 | 89 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.028 | -3.8 | 92 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.207 | 2.0 | 91 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.477 | 1.3 | 90 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 78.608 | 1.7 | 90 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.038 | 2.4 | 91 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.153 | 2.1 | 92 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 39.209 | 2.0 | 88 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 39.385 | 1.5 | 92 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 39.964 | 0.1 | 94 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.478 | -3.7 | 93 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 36.830 | 7.9 | 86 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 42.509 | -6.3 | 94 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 37.704 | 5.7 | 87 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 39.226 | 1.9 | 92 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 36.571 | 8.6 | 82 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.735 | -4.3 | 93 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.295 | 1.8 | 93 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.721 | 3.2 | 89 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.342 | 1.6 | 92 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.779 | 3.1 | 91 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 43.954 | -9.9 | 98 | 0.00 |
| 62 | | Azobenzene | 40.000 | 37.768 | 5.6 | 88 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.527 | -11.3 | 99 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.850 | 0.4 | 93 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.555 | -1.4 | 93 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 40.199 | -0.5 | 93 | 0.00 |
| 68 | | Atrazine | 40.000 | 40.378 | -0.9 | 92 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 34.201 | 14.5 | 74 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.719 | 0.7 | 93 | 0.00 |
| 71 | | Anthracene | 40.000 | 39.669 | 0.8 | 91 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.741 | 0.6 | 91 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.144 | -0.4 | 92 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 39.856 | 0.4 | 93 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 91 | 0.00 |
| 76 | | Benzidine | 40.000 | 39.906 | 0.2 | 92 | 0.00 |
| 77 | | Pyrene | 40.000 | 39.777 | 0.6 | 92 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 80.390 | -0.5 | 93 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.504 | -3.8 | 93 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.458 | -1.1 | 95 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.211 | -3.0 | 94 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.510 | 1.2 | 92 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.669 | -4.2 | 95 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.929 | -4.8 | 98 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.175 | 2.1 | 98 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.003 | 2.5 | 91 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.621 | -1.6 | 98 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.842 | 0.4 | 96 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.547 | 1.1 | 97 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.714 | -1.8 | 100 | 0.00 |

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