# Evaluate Continuing Calibration Report

Data Path : U:\HPCHEM1\BNA F\Data\BF010518\
Data File : BF101917.D
Acq On : 5 Jan 2018 9:32
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 05 12:27:58 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 04 14:22:17 2018
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 | 77 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.705 | -1.8 | 77 | 0.00 |
| 3 | | Pyridine | 40.000 | 35.529 | 11.2 | 67 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.758 | 8.1 | 69 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 88.563 | -10.7 | 85 | 0.00 |
| 6 | | Aniline | 40.000 | 37.068 | 7.3 | 72 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.969 | 3.8 | 77 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.929 | 0.2 | 79 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 41.453 | -3.6 | 80 | 0.00 |
| 10 | C | Phenol | 40.000 | 36.922 | 7.7 | 72 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.414 | 1.5 | 76 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.905 | 2.7 | 76 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.269 | 1.8 | 78 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.453 | 3.9 | 75 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.117 | -2.8 | 81 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.667 | 5.8 | 72 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.730 | 5.7 | 77 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.734 | 0.7 | 77 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.495 | 1.3 | 81 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 47.119 | -17.8 | 92 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 74 | 0.00 |
| 22 | | Acetophenone | 40.000 | 43.666 | -9.2 | 82 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.662 | -3.3 | 76 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.114 | -5.3 | 79 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.741 | 3.1 | 74 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.932 | -12.3 | 80 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.413 | 1.5 | 75 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.216 | 2.0 | 75 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.021 | -0.1 | 74 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.606 | 3.5 | 72 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.013 | 2.5 | 75 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.791 | -4.5 | 88 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.384 | 1.5 | 75 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.459 | 1.4 | 74 | 0.00 |
| 35 | | Caprolactam | 40.000 | 34.168 | 14.6 | 64 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.847 | -2.1 | 76 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.745 | 5.6 | 73 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 68 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.282 | -3.2 | 72 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 47.881 | -19.7 | 101 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 72.972 | 8.8 | 63 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.832 | -2.1 | 69 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 34.757 | 13.1 | 58 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 81.122 | -1.4 | 70 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.592 | -1.5 | 72 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.446 | -1.1 | 72 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 45.593 | -14.0 | 78 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.245 | -0.6 | 72 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 40.059 | -0.1 | 72 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.324 | -0.8 | 68 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.532 | 1.2 | 71 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 41.757 | -4.4 | 70 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 46.714 | -16.8 | 91 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 43.780 | -9.5 | 76 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 38.505 | 3.7 | 63 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 49.951 | -24.9 | 85 | 0.00 |
| 57 | | Fluorene | 40.000 | 41.703 | -4.3 | 72 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.961 | 2.6 | 66 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.530 | 1.2 | 72 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 42.565 | -6.4 | 72 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 39.667 | 0.8 | 68 | 0.00 |
| 62 | | Azobenzene | 40.000 | 40.343 | -0.9 | 73 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 68 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.347 | -3.4 | 67 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.978 | 2.6 | 69 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.974 | 2.6 | 68 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 37.816 | 5.5 | 66 | 0.00 |
| 68 | | Atrazine | 40.000 | 37.126 | 7.2 | 64 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 42.345 | -5.9 | 77 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.276 | 4.3 | 69 | 0.00 |
| 71 | | Anthracene | 40.000 | 39.127 | 2.2 | 70 | 0.00 |
| 72 | | Carbazole | 40.000 | 38.794 | 3.0 | 69 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.873 | 2.8 | 70 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 37.141 | 7.1 | 67 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 58 | 0.00 |
| 76 | | Benzidine | 40.000 | 35.169 | 12.1 | 51 | 0.00 |
| 77 | | Pyrene | 40.000 | 43.828 | -9.6 | 66 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 86.024 | -7.5 | 67 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 43.028 | -7.6 | 63 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.640 | 3.4 | 58 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.481 | -1.2 | 59 | 0.00 |
| 82 | | Chrysene | 40.000 | 40.056 | -0.1 | 60 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.762 | -6.9 | 64 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.423 | 1.4 | 59 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.572 | -3.9 | 64 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 53 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.184 | 2.0 | 52 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 42.254 | -5.6 | 60 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.746 | -1.9 | 56 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 45.516 | -13.8 | 64 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 46.092 | -15.2 | 65 | 0.00 |

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