# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG082416\
Data File : BG023881.D
Acq On : 24 Aug 2016 9:46
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Aug 24 17:42:46 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 24 17:42:04 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 | 72 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.139 | -0.3 | 79 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.116 | 4.7 | 71 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 45.018 | -12.5 | 87 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.284 | 3.4 | 73 | 0.00 |
| 6 | | Aniline | 40.000 | 32.670 | 18.3 | 62 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 71.768 | 10.3 | 68 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.758 | 3.1 | 74 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 47.216 | -18.0 | 82 | 0.00 |
| 10 | C | Phenol | 40.000 | 36.593 | 8.5 | 69 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.904 | 7.7 | 71 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.200 | 2.0 | 75 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.165 | 2.1 | 76 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.972 | 7.6 | 72 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.953 | 0.1 | 74 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.247 | 4.4 | 73 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 35.863 | 10.3 | 69 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.977 | -2.4 | 79 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 33.760 | 15.6 | 64 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 35.174 | 12.1 | 66 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 63 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.905 | 2.7 | 65 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.882 | -3.6 | 68 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 43.184 | -8.0 | 72 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.694 | 0.8 | 65 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.098 | -2.7 | 66 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.123 | 2.2 | 63 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 34.966 | 12.6 | 58 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.279 | 1.8 | 63 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.232 | -0.6 | 67 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.621 | 3.4 | 65 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 32.888 | 17.8 | 51 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 33.838 | 15.4 | 56 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.353 | -8.4 | 73 | 0.00 |
| 35 | | Caprolactam | 40.000 | 31.771 | 20.6 | 50 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.215 | 12.0 | 58 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 35.941 | 10.1 | 60 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 55 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.806 | -7.0 | 61 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 35.617 | 11.0 | 44 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 64.073 | 19.9 | 45 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.565 | 1.1 | 55 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.874 | 2.8 | 54 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 85.897 | -7.4 | 63 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.153 | -2.9 | 59 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.968 | -2.4 | 58 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 39.162 | 2.1 | 53 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.475 | -1.2 | 58 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 40.228 | -0.6 | 58 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.899 | 5.3 | 53 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.965 | 0.1 | 57 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 33.853 | 15.4 | 46 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 38.445 | 3.9 | 51 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 39.327 | 1.7 | 57 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 30.250 | 24.4 | 41 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.437 | 3.9 | 53 | 0.00 |
| 57 | | Fluorene | 40.000 | 38.992 | 2.5 | 57 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 36.292 | 9.3 | 50 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.945 | 0.1 | 58 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.381 | 4.0 | 55 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 34.285 | 14.3 | 47 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.430 | 1.4 | 56 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 50 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 37.030 | 7.4 | 44 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.539 | -1.3 | 53 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.417 | -1.0 | 52 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 38.719 | 3.2 | 50 | 0.00 |
| 68 | | Atrazine | 40.000 | 41.066 | -2.7 | 51 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 32.063 | 19.8 | 35 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 40.514 | -1.3 | 57 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.863 | -2.2 | 57 | 0.00 |
| 72 | | Carbazole | 40.000 | 42.094 | -5.2 | 55 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 52.751 | -31.9# | 62 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 51.867 | -29.7# | 61 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 65 | 0.00 |
| 76 | | Benzidine | 40.000 | 44.920 | -12.3 | 67 | 0.00 |
| 77 | | Pyrene | 40.000 | 38.950 | 2.6 | 62 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 87.428 | -9.3 | 69 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 43.708 | -9.3 | 71 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.118 | -0.3 | 68 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.303 | 4.2 | 63 | 0.00 |
| 82 | | Chrysene | 40.000 | 40.194 | -0.5 | 70 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.571 | -11.4 | 74 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 43.385 | -8.5 | 72 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.454 | 1.4 | 65 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 63 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.152 | -0.4 | 66 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.061 | -0.2 | 66 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.866 | -2.2 | 67 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.652 | 0.9 | 64 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.604 | 3.5 | 62 | 0.00 |

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