# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG100317\
Data File : BG029018.D
Acq On : 3 Oct 2017 23:57
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 04 05:23:44 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 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 | -0.09 |
| 2 | | 1,4-Dioxane | 40.000 | 41.930 | -4.8 | 116 | -0.12 |
| 3 | | Pyridine | 40.000 | 41.386 | -3.5 | 107 | -0.12 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 45.929 | -14.8 | 120 | -0.12 |
| 5 | S | 2-Fluorophenol | 80.000 | 87.037 | -8.8 | 112 | -0.10 |
| 6 | | Aniline | 40.000 | 40.209 | -0.5 | 103 | -0.09 |
| 7 | S | Phenol-d6 | 80.000 | 87.227 | -9.0 | 114 | -0.09 |
| 8 | | 2-Chlorophenol | 40.000 | 44.183 | -10.5 | 115 | -0.09 |
| 9 | | Benzaldehyde | 40.000 | 38.066 | 4.8 | 100 | -0.09 |
| 10 | C | Phenol | 40.000 | 43.736 | -9.3 | 113 | -0.09 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.911 | -4.8 | 112 | -0.09 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 44.051 | -10.1 | 117 | -0.09 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 44.850 | -12.1 | 116 | -0.09 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.890 | -7.2 | 115 | -0.09 |
| 15 | | Benzyl Alcohol | 40.000 | 40.580 | -1.4 | 105 | -0.08 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.129 | -10.3 | 116 | -0.09 |
| 17 | | 2-Methylphenol | 40.000 | 42.134 | -5.3 | 112 | -0.09 |
| 18 | | Hexachloroethane | 40.000 | 43.554 | -8.9 | 113 | -0.09 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 44.417 | -11.0 | 116 | -0.09 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.804 | -9.5 | 114 | -0.09 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 105 | -0.09 |
| 22 | | Acetophenone | 40.000 | 42.927 | -7.3 | 115 | -0.09 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 86.960 | -8.7 | 117 | -0.09 |
| 24 | | Nitrobenzene | 40.000 | 42.424 | -6.1 | 116 | -0.09 |
| 25 | | Isophorone | 40.000 | 42.651 | -6.6 | 115 | -0.09 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.832 | -2.1 | 109 | -0.09 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.615 | -4.0 | 110 | -0.09 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.362 | -5.9 | 113 | -0.08 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.693 | -1.7 | 109 | -0.09 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.461 | -3.7 | 112 | -0.09 |
| 31 | | Naphthalene | 40.000 | 42.133 | -5.3 | 113 | -0.09 |
| 32 | | Benzoic acid | 40.000 | 39.091 | 2.3 | 107 | -0.08 |
| 33 | | 4-Chloroaniline | 40.000 | 38.354 | 4.1 | 103 | -0.09 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.440 | -3.6 | 114 | -0.09 |
| 35 | | Caprolactam | 40.000 | 41.160 | -2.9 | 109 | -0.09 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.642 | -1.6 | 111 | -0.08 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.832 | -7.1 | 116 | -0.08 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 109 | -0.08 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.154 | -7.9 | 113 | -0.08 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 37.604 | 6.0 | 101 | -0.08 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 84.704 | -5.9 | 114 | -0.08 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.628 | -1.6 | 109 | -0.08 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.998 | -2.5 | 110 | -0.08 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 85.753 | -7.2 | 113 | -0.08 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 43.290 | -8.2 | 114 | -0.08 |
| 46 | | 2-Chloronaphthalene | 40.000 | 43.405 | -8.5 | 115 | -0.08 |
| 47 | | 2-Nitroaniline | 40.000 | 43.065 | -7.7 | 112 | -0.08 |
| 48 | | Acenaphthylene | 40.000 | 43.051 | -7.6 | 115 | -0.08 |
| 49 | | Dimethylphthalate | 40.000 | 43.186 | -8.0 | 116 | -0.07 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.198 | -8.0 | 114 | -0.08 |
| 51 | C | Acenaphthene | 40.000 | 43.179 | -7.9 | 116 | -0.08 |
| 52 | | 3-Nitroaniline | 40.000 | 43.653 | -9.1 | 115 | -0.08 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 38.961 | 2.6 | 107 | -0.08 |
| 54 | | Dibenzofuran | 40.000 | 42.932 | -7.3 | 114 | -0.08 |
| 55 | P | 4-Nitrophenol | 40.000 | 44.011 | -10.0 | 111 | -0.07 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.781 | -9.5 | 113 | -0.07 |
| 57 | | Fluorene | 40.000 | 43.306 | -8.3 | 115 | -0.08 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.353 | -5.9 | 113 | -0.08 |
| 59 | | Diethylphthalate | 40.000 | 42.610 | -6.5 | 117 | -0.07 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 42.524 | -6.3 | 116 | -0.08 |
| 61 | | 4-Nitroaniline | 40.000 | 43.583 | -9.0 | 111 | -0.08 |
| 62 | | Azobenzene | 40.000 | 43.527 | -8.8 | 118 | -0.08 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 110 | -0.08 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.437 | -11.1 | 118 | -0.07 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.333 | -5.8 | 117 | -0.08 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.008 | -5.0 | 115 | -0.08 |
| 67 | | Hexachlorobenzene | 40.000 | 41.537 | -3.8 | 115 | -0.08 |
| 68 | | Atrazine | 40.000 | 40.070 | -0.2 | 107 | -0.07 |
| 69 | C | Pentachlorophenol | 40.000 | 39.721 | 0.7 | 105 | -0.08 |
| 70 | | Phenanthrene | 40.000 | 42.332 | -5.8 | 117 | -0.08 |
| 71 | | Anthracene | 40.000 | 41.761 | -4.4 | 114 | -0.08 |
| 72 | | Carbazole | 40.000 | 43.067 | -7.7 | 114 | -0.08 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.920 | -4.8 | 114 | -0.08 |
| 74 | C | Fluoranthene | 40.000 | 42.295 | -5.7 | 113 | -0.08 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 103 | -0.11 |
| 76 | | Benzidine | 40.000 | 18.381 | 54.0# | 45 | -0.08 |
| 77 | | Pyrene | 40.000 | 42.735 | -6.8 | 113 | -0.08 |
| 78 | S | Terphenyl-d14 | 80.000 | 85.435 | -6.8 | 111 | -0.08 |
| 79 | | Butylbenzylphthalate | 40.000 | 40.744 | -1.9 | 106 | -0.08 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.466 | -1.2 | 105 | -0.10 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.237 | 1.9 | 100 | -0.10 |
| 82 | | Chrysene | 40.000 | 41.001 | -2.5 | 105 | -0.10 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.366 | 1.6 | 101 | -0.09 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 38.418 | 4.0 | 98 | -0.12 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.427 | 3.9 | 100 | -0.29 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 95 | -0.18 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 44.217 | -10.5 | 105 | -0.16 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.722 | -4.3 | 99 | -0.16 |
| 89 C | Benzo(a)pyrene | 40.000 | 42.347 | -5.9 | 100 | -0.18 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.925 | -4.8 | 99 | -0.29 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.163 | -5.4 | 100 | -0.32 |

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