# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG060717\
Data File : BG027287.D
Acq On : 7 Jun 2017 17:20
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 08 06:38:24 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:00:35 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 | 103 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 41.323 | -3.3 | 108 | -0.01 |
| 3 | | Pyridine | 40.000 | 41.556 | -3.9 | 107 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.121 | -10.3 | 113 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 86.283 | -7.9 | 109 | -0.02 |
| 6 | | Aniline | 40.000 | 38.842 | 2.9 | 97 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 89.808 | -12.3 | 112 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 43.287 | -8.2 | 109 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 43.613 | -9.0 | 110 | -0.01 |
| 10 | C | Phenol | 40.000 | 44.508 | -11.3 | 112 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 43.005 | -7.5 | 108 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.996 | -2.5 | 105 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.237 | -3.1 | 106 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.954 | -2.4 | 106 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 44.877 | -12.2 | 111 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 45.704 | -14.3 | 117 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 43.594 | -9.0 | 110 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 43.501 | -8.8 | 110 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 43.765 | -9.4 | 108 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.226 | -10.6 | 110 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 105 | -0.02 |
| 22 | | Acetophenone | 40.000 | 42.186 | -5.5 | 109 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 95.620 | -19.5 | 123 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 46.121 | -15.3 | 118 | -0.01 |
| 25 | | Isophorone | 40.000 | 42.982 | -7.5 | 110 | -0.03 |
| 26 | C | 2-Nitrophenol | 40.000 | 46.164 | -15.4 | 135 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.672 | -6.7 | 108 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.221 | -5.6 | 109 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.727 | -6.8 | 107 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.911 | -2.3 | 106 | -0.02 |
| 31 | | Naphthalene | 40.000 | 40.583 | -1.5 | 107 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 33.291 | 16.8 | 87 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 38.780 | 3.0 | 100 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.620 | -1.5 | 105 | -0.03 |
| 35 | | Caprolactam | 40.000 | 43.865 | -9.7 | 107 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.381 | -6.0 | 108 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.288 | -0.7 | 105 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 103 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.487 | -3.7 | 104 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 41.414 | -3.5 | 104 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 84.155 | -5.2 | 103 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.798 | -9.5 | 107 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 43.790 | -9.5 | 108 | -0.03 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 82.068 | -2.6 | 104 | -0.03 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.247 | -3.1 | 105 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.291 | -3.2 | 104 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 46.917 | -17.3 | 129 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 41.594 | -4.0 | 104 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 40.105 | -0.3 | 102 | -0.03 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.186 | -8.0 | 116 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 40.377 | -0.9 | 103 | -0.03 |
| 52 | | 3-Nitroaniline | 40.000 | 41.874 | -4.7 | 112 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 32.997 | 17.5 | 80 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 39.833 | 0.4 | 102 | -0.03 |
| 55 | P | 4-Nitrophenol | 40.000 | 38.574 | 3.6 | 103 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 44.058 | -10.1 | 122 | -0.02 |
| 57 | | Fluorene | 40.000 | 39.789 | 0.5 | 102 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.001 | -2.5 | 100 | -0.03 |
| 59 | | Diethylphthalate | 40.000 | 39.603 | 1.0 | 102 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.381 | 1.5 | 102 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 41.045 | -2.6 | 111 | -0.02 |
| 62 | | Azobenzene | 40.000 | 41.935 | -4.8 | 106 | -0.03 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 99 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.197 | -3.0 | 106 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.003 | -5.0 | 99 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.641 | -4.1 | 99 | -0.03 |
| 67 | | Hexachlorobenzene | 40.000 | 41.582 | -4.0 | 101 | -0.02 |
| 68 | | Atrazine | 40.000 | 41.847 | -4.6 | 100 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 37.785 | 5.5 | 93 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 40.105 | -0.3 | 99 | -0.02 |
| 71 | | Anthracene | 40.000 | 40.561 | -1.4 | 99 | -0.03 |
| 72 | | Carbazole | 40.000 | 40.135 | -0.3 | 99 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 42.481 | -6.2 | 103 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 41.155 | -2.9 | 103 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 103 | -0.03 |
| 76 | | Benzidine | 40.000 | 11.399 | 71.5# | 29 | -0.02 |
| 77 | | Pyrene | 40.000 | 37.819 | 5.5 | 103 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 79.535 | 0.6 | 106 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.482 | -3.7 | 105 | -0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.238 | -3.1 | 106 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.868 | -2.2 | 102 | -0.03 |
| 82 | | Chrysene | 40.000 | 40.496 | -1.2 | 105 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.763 | 0.6 | 103 | -0.04 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.319 | -0.8 | 103 | -0.06 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.526 | -1.3 | 105 | -0.07 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 103 | -0.05 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.131 | -2.8 | 105 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 42.169 | -5.4 | 104 | -0.05 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.274 | -3.2 | 105 | -0.06 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.713 | -4.3 | 105 | -0.09 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.759 | -1.9 | 103 | -0.09 |

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