# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071016\
Data File : BG022981.D
Acq On : 10 Jul 2016 1:29
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Jul 11 02:32:25 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 07 16:51:07 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 | 122 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 41.361 | -3.4 | 131 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.342 | -3.4 | 126 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.783 | -4.5 | 126 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.235 | -5.3 | 131 | 0.00 |
| 6 | | Aniline | 40.000 | 42.956 | -7.4 | 129 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 86.699 | -8.4 | 129 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 44.085 | -10.2 | 134 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.568 | -1.4 | 126 | 0.00 |
| 10 | C | Phenol | 40.000 | 43.539 | -8.8 | 131 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.432 | -3.6 | 126 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.376 | -3.4 | 130 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.454 | -3.6 | 128 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.674 | -4.2 | 132 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 43.317 | -8.3 | 128 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.358 | -8.4 | 133 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.944 | -4.9 | 127 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.106 | -2.8 | 135 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.444 | -3.6 | 123 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.589 | -11.5 | 128 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 125 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.567 | 3.6 | 122 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.378 | 2.0 | 124 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.437 | 1.4 | 127 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.405 | 6.5 | 115 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.904 | -2.3 | 121 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.118 | 4.7 | 121 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.620 | 3.5 | 120 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.207 | -0.5 | 124 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.864 | 2.8 | 123 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.854 | 2.9 | 124 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 39.965 | 0.1 | 119 | 0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 38.442 | 3.9 | 121 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.892 | 5.3 | 122 | 0.00 |
| 35 | | Caprolactam | 40.000 | 35.673 | 10.8 | 112 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.200 | 4.5 | 118 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.768 | 3.1 | 119 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.152 | -2.9 | 118 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 35.306 | 11.7 | 101 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 71.368 | 10.8 | 104 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.909 | -2.3 | 115 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.795 | -2.0 | 118 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 78.124 | 2.3 | 114 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.206 | -3.0 | 118 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.370 | -0.9 | 115 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 40.783 | -2.0 | 117 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 39.575 | 1.1 | 113 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 37.664 | 5.8 | 110 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 39.117 | 2.2 | 112 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.928 | 0.2 | 115 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 38.525 | 3.7 | 109 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 30.229 | 24.4 | 83 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.317 | 4.2 | 112 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 35.661 | 10.8 | 102 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.059 | 4.9 | 110 | 0.00 |
| 57 | | Fluorene | 40.000 | 38.131 | 4.7 | 112 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.742 | 5.6 | 108 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 36.720 | 8.2 | 107 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.738 | 5.7 | 107 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 37.527 | 6.2 | 109 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.244 | 1.9 | 114 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 107 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.340 | 1.6 | 100 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.825 | -2.1 | 108 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.561 | 1.1 | 104 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 39.977 | 0.1 | 106 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.220 | 2.0 | 106 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 38.394 | 4.0 | 97 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.133 | 2.2 | 106 | 0.00 |
| 71 | | Anthracene | 40.000 | 39.183 | 2.0 | 106 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.260 | 1.9 | 106 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.005 | -2.5 | 107 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 37.370 | 6.6 | 105 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 104 | 0.00 |
| 76 | | Benzidine | 40.000 | 38.354 | 4.1 | 97 | 0.00 |
| 77 | | Pyrene | 40.000 | 38.187 | 4.5 | 106 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 78.607 | 1.7 | 103 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.998 | -5.0 | 111 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.849 | 0.4 | 107 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.793 | 0.5 | 103 | 0.00 |
| 82 | | Chrysene | 40.000 | 40.732 | -1.8 | 109 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.347 | -3.4 | 111 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.814 | -2.0 | 107 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.675 | 0.8 | 107 | 0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 105 | 0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.432 | 1.4 | 106 | 0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.885 | -2.2 | 106 | 0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.669 | 0.8 | 105 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.078 | -0.2 | 107 | 0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.846 | 0.4 | 105 | 0.04 |

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