# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021658.D
Acq On : 14 Apr 2016 18:35
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 15 00:53:05 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 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 | 102 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.114 | -0.3 | 101 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.897 | 2.8 | 102 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.609 | 3.5 | 103 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.731 | -3.4 | 106 | 0.00 |
| 6 | | Aniline | 40.000 | 40.873 | -2.2 | 107 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 83.638 | -4.5 | 108 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.309 | -3.3 | 107 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.508 | 3.7 | 104 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.317 | -5.8 | 109 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.748 | 0.6 | 104 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.977 | 0.1 | 102 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.251 | -0.6 | 103 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.253 | -0.6 | 104 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.166 | -2.9 | 108 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.882 | 2.8 | 101 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 42.350 | -5.9 | 111 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.196 | -0.5 | 104 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.878 | 0.3 | 107 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.925 | -7.3 | 112 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.136 | 4.7 | 106 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.288 | -0.4 | 110 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.508 | 1.2 | 109 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.744 | 8.1 | 106 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.935 | -4.8 | 116 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.867 | 5.3 | 109 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.152 | 7.1 | 104 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.004 | -2.5 | 113 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.843 | 0.4 | 109 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.900 | 2.8 | 107 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 48.198 | -20.5 | 151 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 38.894 | 2.8 | 111 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.787 | 3.0 | 107 | 0.00 |
| 35 | | Caprolactam | 40.000 | 36.544 | 8.6 | 103 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.825 | -2.1 | 116 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.716 | 0.7 | 111 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.735 | -1.8 | 114 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 41.474 | -3.7 | 111 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 86.590 | -8.2 | 124 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.557 | -8.9 | 120 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 43.205 | -8.0 | 118 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 79.129 | 1.1 | 111 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.134 | -0.3 | 112 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.403 | -1.0 | 113 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 42.083 | -5.2 | 120 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.460 | -1.2 | 114 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 38.439 | 3.9 | 113 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.499 | -8.7 | 122 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 41.106 | -2.8 | 116 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 42.706 | -6.8 | 122 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 46.034 | -15.1 | 148 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.641 | -1.6 | 116 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 43.296 | -8.2 | 118 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 44.499 | -11.2 | 125 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.893 | 0.3 | 115 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.522 | -8.8 | 124 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.028 | 2.4 | 114 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.411 | -1.0 | 117 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.990 | -5.0 | 115 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.662 | 0.8 | 114 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 115 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.937 | -14.8 | 137 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.872 | 0.3 | 115 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.528 | -1.3 | 116 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 40.106 | -0.3 | 119 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.805 | 0.5 | 108 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 43.320 | -8.3 | 120 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.512 | 1.2 | 115 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.046 | -0.1 | 115 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.081 | 2.3 | 111 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.014 | 2.5 | 106 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 39.409 | 1.5 | 110 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 76 | | Benzidine | 40.000 | 39.797 | 0.5 | 107 | 0.00 |
| 77 | | Pyrene | 40.000 | 39.904 | 0.2 | 111 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 78.735 | 1.6 | 109 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.898 | 0.3 | 107 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.629 | 0.9 | 108 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.335 | 1.7 | 107 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.127 | 2.2 | 107 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.631 | 0.9 | 109 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.212 | -0.5 | 107 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.974 | 0.1 | 108 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.352 | 1.6 | 106 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.974 | 0.1 | 111 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.589 | 1.0 | 109 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.752 | 0.6 | 108 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.987 | 0.0 | 109 | -0.02 |

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