# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051015\
Data File : BG017047.D
Acq On : 11 May 2015 5:24
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 99 Sample Multiplier: 1

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

Quant Time: May 19 08:11:25 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 19 07:51:25 2015
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 | 106 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 32.971 | 17.6 | 93 | -0.01 |
| 3 | | Pyridine | 40.000 | 34.995 | 12.5 | 95 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.083 | -0.2 | 115 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.962 | 2.5 | 108 | 0.00 |
| 6 | | Aniline | 40.000 | 38.717 | 3.2 | 108 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 82.672 | -3.3 | 115 | 0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 39.999 | 0.0 | 113 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.578 | 8.6 | 101 | -0.01 |
| 10 | C | Phenol | 40.000 | 40.974 | -2.4 | 115 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.027 | 4.9 | 105 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.313 | 6.7 | 106 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.635 | 3.4 | 107 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.432 | 6.4 | 104 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 40.386 | -1.0 | 113 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.671 | 10.8 | 101 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 40.281 | -0.7 | 112 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.811 | 3.0 | 108 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.671 | 3.3 | 109 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.579 | -6.4 | 119 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 112 | -0.01 |
| 22 | | Acetophenone | 40.000 | 37.526 | 6.2 | 112 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.889 | 1.4 | 119 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 38.896 | 2.8 | 117 | -0.01 |
| 25 | | Isophorone | 40.000 | 36.416 | 9.0 | 110 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.450 | -8.6 | 130 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.121 | 4.7 | 112 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.500 | 8.8 | 113 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.695 | 0.8 | 119 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.433 | 3.9 | 115 | -0.01 |
| 31 | | Naphthalene | 40.000 | 37.183 | 7.0 | 113 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 48.311 | -20.8 | 151 | 0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 38.960 | 2.6 | 116 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 35.914 | 10.2 | 110 | -0.02 |
| 35 | | Caprolactam | 40.000 | 37.712 | 5.7 | 114 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.945 | 0.1 | 120 | 0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.696 | 5.8 | 115 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 117 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.378 | 4.1 | 118 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 31.125 | 22.2 | 96 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 84.666 | -5.8 | 131 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.003 | -2.5 | 120 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.123 | -2.8 | 124 | 0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 74.912 | 6.4 | 115 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 37.405 | 6.5 | 115 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.175 | 4.6 | 117 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 45.313 | -13.3 | 136 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 36.625 | 8.4 | 112 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 37.375 | 6.6 | 115 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.802 | -7.0 | 126 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 36.596 | 8.5 | 113 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 42.197 | -5.5 | 123 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 31.607 | 21.0 | 102 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.092 | 4.8 | 116 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 35.783 | 10.5 | 108 | 0.04 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 47.225 | -18.1 | 141 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.639 | 5.9 | 115 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.259 | -0.6 | 119 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 37.092 | 7.3 | 114 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.522 | 6.2 | 117 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 38.618 | 3.5 | 117 | 0.00 |
| 62 | | Azobenzene | 40.000 | 37.133 | 7.2 | 115 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 111 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.301 | -13.3 | 134 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.852 | 2.9 | 115 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.073 | -0.2 | 119 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 40.346 | -0.9 | 121 | -0.01 |
| 68 | | Atrazine | 40.000 | 37.814 | 5.5 | 110 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 35.731 | 10.7 | 102 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 37.901 | 5.2 | 112 | -0.01 |
| 71 | | Anthracene | 40.000 | 38.016 | 5.0 | 112 | -0.01 |
| 72 | | Carbazole | 40.000 | 36.118 | 9.7 | 105 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.385 | 6.5 | 109 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 36.051 | 9.9 | 104 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 101 | -0.02 |
| 76 | | Benzidine | 40.000 | 33.336 | 16.7 | 85 | -0.01 |
| 77 | | Pyrene | 40.000 | 37.987 | 5.0 | 103 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 80.020 | -0.0 | 106 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.018 | 2.5 | 104 | -0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.904 | 2.7 | 104 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.852 | 2.9 | 103 | -0.02 |
| 82 | | Chrysene | 40.000 | 39.656 | 0.9 | 106 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.684 | 3.3 | 102 | -0.03 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 38.829 | 2.9 | 102 | -0.04 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.420 | 1.4 | 109 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 103 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.327 | 1.7 | 107 | -0.03 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.424 | 3.9 | 106 | -0.03 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.889 | 2.8 | 106 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.533 | 3.7 | 108 | -0.05 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.216 | 4.5 | 108 | -0.03 |

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