# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050815\
Data File : BG016951.D
Acq On : 8 May 2015 11:40
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 08 23:59:42 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 08 23:46:35 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 | 105 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 33.712 | 15.7 | 94 | -0.01 |
| 3 | | Pyridine | 40.000 | 35.255 | 11.9 | 95 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.789 | 3.0 | 110 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 71.812 | 10.2 | 99 | -0.01 |
| 6 | | Aniline | 40.000 | 38.173 | 4.6 | 105 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 76.178 | 4.8 | 105 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.660 | 5.9 | 105 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 35.649 | 10.9 | 98 | -0.01 |
| 10 | C | Phenol | 40.000 | 37.907 | 5.2 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.730 | 5.7 | 104 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.188 | 9.5 | 102 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 35.659 | 10.9 | 98 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.356 | 6.6 | 103 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 38.610 | 3.5 | 107 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.928 | 12.7 | 99 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 38.177 | 4.6 | 105 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.782 | 5.5 | 105 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.047 | 2.4 | 110 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.618 | 1.0 | 109 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.184 | 4.5 | 110 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.760 | 1.5 | 115 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 38.388 | 4.0 | 111 | -0.01 |
| 25 | | Isophorone | 40.000 | 37.875 | 5.3 | 111 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.016 | -5.0 | 121 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.999 | 5.0 | 108 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.328 | 6.7 | 111 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.520 | 3.7 | 111 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.446 | 6.4 | 108 | -0.01 |
| 31 | | Naphthalene | 40.000 | 36.795 | 8.0 | 108 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 48.557 | -21.4 | 147 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.082 | 2.3 | 112 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 35.735 | 10.7 | 105 | -0.02 |
| 35 | | Caprolactam | 40.000 | 39.855 | 0.4 | 116 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.737 | 0.7 | 115 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.478 | 6.3 | 111 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 116 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.235 | 9.4 | 110 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 34.978 | 12.6 | 107 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 82.769 | -3.5 | 127 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.755 | 3.1 | 113 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.111 | 4.7 | 114 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 71.694 | 10.4 | 109 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 36.324 | 9.2 | 110 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.395 | 9.0 | 111 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 43.502 | -8.8 | 129 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 36.196 | 9.5 | 110 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 37.353 | 6.6 | 114 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.749 | -4.4 | 122 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 35.961 | 10.1 | 110 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 42.376 | -5.9 | 123 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 44.494 | -11.2 | 142 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 37.204 | 7.0 | 112 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 42.640 | -6.6 | 128 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 45.074 | -12.7 | 133 | 0.00 |
| 57 | | Fluorene | 40.000 | 36.829 | 7.9 | 112 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.207 | 4.5 | 112 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 37.469 | 6.3 | 115 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 36.137 | 9.7 | 112 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 39.825 | 0.4 | 119 | 0.00 |
| 62 | | Azobenzene | 40.000 | 37.256 | 6.9 | 114 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 113 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.854 | -14.6 | 138 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 37.550 | 6.1 | 113 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.237 | 4.4 | 115 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.189 | 4.5 | 117 | 0.00 |
| 68 | | Atrazine | 40.000 | 37.004 | 7.5 | 109 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 39.115 | 2.2 | 114 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 36.303 | 9.2 | 109 | 0.00 |
| 71 | | Anthracene | 40.000 | 36.767 | 8.1 | 110 | 0.00 |
| 72 | | Carbazole | 40.000 | 37.148 | 7.1 | 109 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.576 | 6.1 | 111 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 36.682 | 8.3 | 108 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 76 | | Benzidine | 40.000 | 37.680 | 5.8 | 96 | -0.01 |
| 77 | | Pyrene | 40.000 | 39.596 | 1.0 | 107 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 80.639 | -0.8 | 107 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.402 | 1.5 | 105 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.889 | 2.8 | 103 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.964 | 2.6 | 103 | -0.01 |
| 82 | | Chrysene | 40.000 | 39.436 | 1.4 | 105 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.089 | -0.2 | 105 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.775 | 0.6 | 104 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.943 | 2.6 | 107 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 104 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 38.336 | 4.2 | 106 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 36.676 | 8.3 | 102 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.576 | 6.1 | 104 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 37.464 | 6.3 | 106 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 36.935 | 7.7 | 106 | -0.01 |

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