# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070716\
Data File : BG022888.D
Acq On : 6 Jul 2016 22:46
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 07 02:33:31 2016
Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 20:14:59 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 | 88 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 38.760 | 3.1 | 83 | -0.02 |
| 3 | | Pyridine | 40.000 | 49.787 | -24.5 | 106 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 34.307 | 14.2 | 73 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.832 | -2.3 | 90 | 0.00 |
| 6 | | Aniline | 40.000 | 46.383 | -16.0 | 100 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 90.212 | -12.8 | 99 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.934 | -4.8 | 94 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 81.521 | -103.8# | 175 | -0.01 |
| 10 | C | Phenol | 40.000 | 43.875 | -9.7 | 95 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.977 | 0.1 | 83 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.932 | 0.2 | 87 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.765 | -1.9 | 91 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.982 | -2.5 | 92 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 42.254 | -5.6 | 86 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.076 | -2.7 | 90 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 41.490 | -3.7 | 93 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.310 | -0.8 | 86 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.976 | -4.9 | 92 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.105 | -10.3 | 98 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 98 | -0.01 |
| 22 | | Acetophenone | 40.000 | 38.995 | 2.5 | 94 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.165 | 3.5 | 94 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 36.316 | 9.2 | 91 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.722 | 8.2 | 91 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.926 | -4.8 | 105 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.056 | 9.9 | 93 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.739 | 0.7 | 100 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.188 | -3.0 | 100 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.279 | -3.2 | 102 | -0.01 |
| 31 | | Naphthalene | 40.000 | 40.146 | -0.4 | 99 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 49.667 | -24.2 | 128 | 0.07 |
| 33 | | 4-Chloroaniline | 40.000 | 47.506 | -18.8 | 110 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.663 | -1.7 | 98 | -0.02 |
| 35 | | Caprolactam | 40.000 | 45.988 | -15.0 | 112 | 0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 45.766 | -14.4 | 112 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.822 | -4.6 | 104 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 114 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 46.518 | -16.3 | 136 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 26.838 | 32.9# | 74 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 81.646 | -2.1 | 116 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.201 | -3.0 | 115 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.643 | 3.4 | 112 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 78.129 | 2.3 | 106 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.628 | 3.4 | 111 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.242 | 1.9 | 113 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 40.146 | -0.4 | 113 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 39.230 | 1.9 | 111 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 36.072 | 9.8 | 104 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.980 | 2.6 | 110 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 34.874 | 12.8 | 98 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 39.999 | 0.0 | 113 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 35.767 | 10.6 | 99 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 35.473 | 11.3 | 103 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 37.138 | 7.2 | 108 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.739 | 3.2 | 110 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.615 | 6.0 | 108 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 35.864 | 10.3 | 103 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 35.129 | 12.2 | 103 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.129 | 2.2 | 114 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 40.176 | -0.4 | 114 | 0.02 |
| 62 | | Azobenzene | 40.000 | 32.144 | 19.6 | 92 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.207 | -5.5 | 107 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.592 | -4.0 | 110 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.384 | -1.0 | 109 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 42.733 | -6.8 | 117 | 0.00 |
| 68 | | Atrazine | 40.000 | 40.996 | -2.5 | 109 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 37.608 | 6.0 | 101 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.700 | 3.2 | 104 | 0.00 |
| 71 | | Anthracene | 40.000 | 38.386 | 4.0 | 103 | 0.00 |
| 72 | | Carbazole | 40.000 | 37.768 | 5.6 | 100 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.816 | 5.5 | 97 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 39.492 | 1.3 | 103 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 76 | | Benzidine | 40.000 | 42.730 | -6.8 | 118 | -0.03 |
| 77 | | Pyrene | 40.000 | 40.976 | -2.4 | 104 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 71.486 | 10.6 | 102 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 37.656 | 5.9 | 97 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.822 | -2.1 | 104 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 42.617 | -6.5 | 111 | 0.00 |
| 82 | | Chrysene | 40.000 | 40.763 | -1.9 | 104 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.054 | 7.4 | 98 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 38.451 | 3.9 | 101 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 36.225 | 9.4 | 97 | 0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.998 | 0.0 | 104 | 0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.453 | 1.4 | 104 | 0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.374 | 4.1 | 101 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.570 | 3.6 | 104 | 0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.317 | 6.7 | 100 | 0.02 |

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