# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG020918\
Data File : BG032631.D
Acq On : 9 Feb 2018 14:03
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 09 23:30:49 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 18:57:08 2018
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 | 137 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 43.242 | -8.1 | 162 | -0.01 |
| 3 | | Pyridine | 40.000 | 41.775 | -4.4 | 140 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.268 | -3.2 | 133 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 73.058 | 8.7 | 122 | -0.01 |
| 6 | | Aniline | 40.000 | 38.597 | 3.5 | 126 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 81.979 | -2.5 | 139 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 37.570 | 6.1 | 125 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 28.559 | 28.6# | 98 | -0.01 |
| 10 | C | Phenol | 40.000 | 40.430 | -1.1 | 134 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 44.414 | -11.0 | 150 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.912 | 7.7 | 128 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.354 | 4.1 | 132 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.197 | 4.5 | 129 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 37.186 | 7.0 | 122 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 46.709 | -16.8 | 157 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 39.149 | 2.1 | 130 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 38.095 | 4.8 | 133 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.426 | -6.1 | 139 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.792 | 0.5 | 128 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 134 | -0.02 |
| 22 | | Acetophenone | 40.000 | 36.972 | 7.6 | 126 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.314 | -1.6 | 135 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 40.976 | -2.4 | 139 | -0.02 |
| 25 | | Isophorone | 40.000 | 42.755 | -6.9 | 145 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.278 | 6.8 | 120 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 35.583 | 11.0 | 119 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.844 | 0.4 | 134 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.030 | 7.4 | 125 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.219 | 7.0 | 129 | -0.03 |
| 31 | | Naphthalene | 40.000 | 37.835 | 5.4 | 129 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 38.504 | 3.7 | 133 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 36.260 | 9.4 | 124 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.543 | 3.6 | 132 | -0.03 |
| 35 | | Caprolactam | 40.000 | 36.939 | 7.7 | 122 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.433 | 3.9 | 132 | -0.03 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.715 | 5.7 | 128 | -0.03 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 139 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.336 | 6.7 | 134 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 36.512 | 8.7 | 129 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 57.148 | 28.6# | 102 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 34.806 | 13.0 | 126 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 36.842 | 7.9 | 131 | -0.03 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 71.634 | 10.5 | 129 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 36.879 | 7.8 | 132 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 35.956 | 10.1 | 129 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 36.950 | 7.6 | 131 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 36.399 | 9.0 | 131 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 34.778 | 13.1 | 128 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 34.810 | 13.0 | 127 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 35.153 | 12.1 | 125 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 32.053 | 19.9 | 114 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 25.501 | 36.2# | 90 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 35.879 | 10.3 | 131 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 24.207 | 39.5# | 87 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 32.698 | 18.3 | 117 | -0.01 |
| 57 | | Fluorene | 40.000 | 34.561 | 13.6 | 128 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 32.464 | 18.8 | 115 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 33.493 | 16.3 | 124 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 36.481 | 8.8 | 132 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 28.843 | 27.9# | 107 | -0.01 |
| 62 | | Azobenzene | 40.000 | 37.029 | 7.4 | 137 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 125 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 34.094 | 14.8 | 105 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.953 | 2.6 | 125 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.635 | 3.4 | 123 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 36.914 | 7.7 | 119 | -0.01 |
| 68 | | Atrazine | 40.000 | 24.421 | 38.9# | 76 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 32.217 | 19.5 | 103 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 35.291 | 11.8 | 114 | 0.00 |
| 71 | | Anthracene | 40.000 | 36.295 | 9.3 | 115 | -0.01 |
| 72 | | Carbazole | 40.000 | 32.527 | 18.7 | 104 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 32.860 | 17.9 | 104 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 32.601 | 18.5 | 107 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 76 | | Benzidine | 40.000 | 13.126 | 67.2# | 36 | 0.00 |
| 77 | | Pyrene | 40.000 | 35.318 | 11.7 | 109 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 68.661 | 14.2 | 107 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 38.172 | 4.6 | 114 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.001 | 7.5 | 114 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 33.475 | 16.3 | 101 | 0.00 |
| 82 | | Chrysene | 40.000 | 37.118 | 7.2 | 115 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.467 | 3.8 | 115 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.118 | 2.2 | 117 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 35.865 | 10.3 | 109 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 118 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.549 | 8.6 | 110 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.534 | 3.7 | 117 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.622 | 5.9 | 114 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 35.797 | 10.5 | 107 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 36.105 | 9.7 | 108 | -0.01 |

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