# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\
Data File : BG033405.D
Acq On : 29 Mar 2018 4:22
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 29 07:47:09 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 18:34:58 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 | 143 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 39.129 | 2.2 | 141 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.500 | -1.3 | 131 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.059 | -2.6 | 145 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 88.257 | -10.3 | 145 | 0.00 |
| 6 | | Aniline | 40.000 | 40.885 | -2.2 | 135 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 84.070 | -5.1 | 145 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.199 | -5.5 | 139 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.457 | 13.9 | 126 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.022 | -5.1 | 142 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.823 | 7.9 | 121 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.679 | 3.3 | 135 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.097 | 2.3 | 139 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.957 | 2.6 | 133 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.378 | -5.9 | 141 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.028 | 4.9 | 133 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.668 | -4.2 | 145 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.921 | 5.2 | 134 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.568 | 1.1 | 129 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.900 | -4.7 | 139 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 135 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.230 | -0.6 | 126 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.730 | 2.8 | 128 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.247 | 4.4 | 125 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.676 | 3.3 | 126 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.045 | -5.1 | 131 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 44.169 | -10.4 | 152 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.578 | 3.6 | 125 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 44.561 | -11.4 | 143 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.815 | 0.5 | 132 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.942 | 2.6 | 129 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 19.915 | 50.2# | 75 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.923 | 0.2 | 129 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.815 | 0.5 | 137 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.776 | 3.1 | 126 | 0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.824 | -2.1 | 128 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.406 | 4.0 | 131 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 132 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.974 | 2.6 | 127 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 30.415 | 24.0 | 97 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 72.954 | 8.8 | 116 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 42.316 | -5.8 | 132 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.703 | -6.8 | 129 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 76.658 | 4.2 | 124 | 0.00 |

# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\
Data File : BG033405.D
Acq On : 29 Mar 2018 4:22
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 29 07:47:09 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 18:34:58 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) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.691 | 3.3 | 125 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.799 | 3.0 | 125 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 38.667 | 3.3 | 121 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.019 | 5.0 | 123 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 37.835 | 5.4 | 123 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.975 | 5.1 | 118 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 36.275 | 9.3 | 116 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 35.529 | 11.2 | 113 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 17.821 | 55.4# | 42 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 37.166 | 7.1 | 121 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 29.619 | 26.0# | 93 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 37.059 | 7.4 | 119 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.147 | 7.1 | 123 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.032 | 4.9 | 119 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 37.350 | 6.6 | 122 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.298 | 6.8 | 124 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 35.703 | 10.7 | 115 | 0.00 |
| 62 | | Azobenzene | 40.000 | 37.199 | 7.0 | 120 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 22.518 | 43.7# | 64 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.299 | -0.7 | 120 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.632 | -1.6 | 120 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 40.632 | -1.6 | 122 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.037 | 2.4 | 115 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 32.254 | 19.4 | 96 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.160 | 4.6 | 114 | 0.00 |
| 71 | | Anthracene | 40.000 | 38.951 | 2.6 | 116 | 0.00 |
| 72 | | Carbazole | 40.000 | 37.534 | 6.2 | 111 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.681 | 0.8 | 117 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 37.401 | 6.5 | 112 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 124 | 0.00 |
| 76 | | Benzidine | 40.000 | 35.558 | 11.1 | 100 | 0.00 |
| 77 | | Pyrene | 40.000 | 36.829 | 7.9 | 112 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 73.952 | 7.6 | 114 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.576 | 1.1 | 120 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.157 | 4.6 | 117 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.784 | -2.0 | 120 | 0.00 |
| 82 | | Chrysene | 40.000 | 38.401 | 4.0 | 118 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.350 | -0.9 | 122 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.549 | -6.4 | 127 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.494 | -3.7 | 125 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 131 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 37.075 | 7.3 | 120 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\
Data File : BG033405.D
Acq On : 29 Mar 2018 4:22
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 29 07:47:09 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 18:34:58 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) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 37.982 | 5.0 | 123 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.038 | 4.9 | 123 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.869 | 0.3 | 125 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.294 | 4.3 | 122 | 0.00 |

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