# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA G\Data\BG091117\
Data File : BG028635.D
Acq On : 11 Sep 2017 10:39
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 12 04:35:02 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG090717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 07 18:39:50 2017
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 | 87 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 42.615 | -6.5 | 95 | -0.01 |
| 3 | | Pyridine | 40.000 | 39.568 | 1.1 | 87 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.692 | 3.3 | 86 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.994 | -3.7 | 91 | 0.00 |
| 6 | | Aniline | 40.000 | 41.582 | -4.0 | 89 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 83.439 | -4.3 | 89 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.687 | -1.7 | 90 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.781 | 0.5 | 87 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.452 | -6.1 | 91 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.377 | -3.4 | 92 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.455 | -1.1 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.856 | -2.1 | 88 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.845 | -2.1 | 89 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.075 | -2.7 | 87 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.821 | 5.4 | 83 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.298 | -3.2 | 91 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 40.798 | -2.0 | 89 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.223 | 4.4 | 83 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.575 | -3.9 | 87 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 85 | -0.01 |
| 22 | | Acetophenone | 40.000 | 40.805 | -2.0 | 87 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.906 | -1.1 | 86 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.817 | -2.0 | 86 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.236 | 1.9 | 83 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.744 | 3.1 | 85 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.841 | -2.1 | 86 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.776 | 0.6 | 86 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.014 | -2.5 | 87 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.224 | -3.1 | 88 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.109 | -2.8 | 88 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.443 | -3.6 | 85 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 41.056 | -2.6 | 86 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.276 | -3.2 | 88 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.228 | 1.9 | 84 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.466 | -3.7 | 87 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.926 | 0.2 | 84 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 83 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.914 | -4.8 | 87 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 37.611 | 6.0 | 81 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.445 | -4.3 | 86 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.720 | -1.8 | 83 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.692 | -4.2 | 85 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 83.257 | -4.1 | 86 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.373 | -3.4 | 87 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.454 | -3.6 | 87 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 40.137 | -0.3 | 84 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 41.840 | -4.6 | 88 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 41.701 | -4.3 | 88 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.481 | -8.7 | 88 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 41.541 | -3.9 | 86 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 42.354 | -5.9 | 87 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 40.099 | -0.2 | 83 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 42.398 | -6.0 | 89 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 42.173 | -5.4 | 89 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.057 | -5.1 | 90 | -0.01 |
| 57 | | Fluorene | 40.000 | 41.699 | -4.2 | 88 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.839 | -4.6 | 88 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 41.058 | -2.6 | 88 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.852 | -2.1 | 86 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 44.453 | -11.1 | 91 | -0.01 |
| 62 | | Azobenzene | 40.000 | 40.318 | -0.8 | 86 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.349 | 1.6 | 88 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.359 | 1.6 | 85 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.113 | -0.3 | 87 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 39.455 | 1.4 | 86 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.860 | 0.4 | 90 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 41.643 | -4.1 | 93 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 40.805 | -2.0 | 89 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.410 | -1.0 | 89 | 0.00 |
| 72 | | Carbazole | 40.000 | 41.389 | -3.5 | 91 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.504 | -1.3 | 90 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 42.263 | -5.7 | 93 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 98 | -0.01 |
| 76 | | Benzidine | 40.000 | 35.921 | 10.2 | 88 | 0.00 |
| 77 | | Pyrene | 40.000 | 38.340 | 4.1 | 94 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 77.339 | 3.3 | 95 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 38.627 | 3.4 | 97 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.596 | 1.0 | 99 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.388 | -1.0 | 99 | -0.01 |
| 82 | | Chrysene | 40.000 | 39.867 | 0.3 | 99 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.405 | 4.0 | 96 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.037 | -0.1 | 100 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.461 | -1.2 | 100 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 102 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.232 | 1.9 | 100 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.989 | -2.5 | 101 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.328 | -0.8 | 102 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.467 | -1.2 | 101 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.663 | -1.7 | 102 | -0.04 |

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