# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112018\
Data File : BG038098.D
Acq On : 20 Nov 2018 23:23
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Nov 20 23:59:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 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 | 78 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 41.889 | -4.7 | 86 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.475 | -3.7 | 80 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 45.449 | -13.6 | 87 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.822 | -6.0 | 83 | 0.00 |
| 6 | | Aniline | 40.000 | 41.366 | -3.4 | 80 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 85.936 | -7.4 | 82 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.150 | -7.9 | 83 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.102 | 2.2 | 76 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.521 | -6.3 | 81 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.813 | -4.5 | 81 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.830 | -4.6 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.944 | -4.9 | 81 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.159 | -5.4 | 83 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 44.803 | -12.0 | 83 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.530 | -11.3 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 43.653 | -9.1 | 83 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.973 | -7.4 | 84 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.531 | -1.3 | 78 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.738 | -6.8 | 82 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.769 | -1.9 | 81 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.614 | -4.5 | 83 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.967 | -4.9 | 85 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.035 | -0.1 | 80 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.888 | -4.7 | 81 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.260 | -3.1 | 81 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.572 | -1.4 | 80 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.560 | -3.9 | 81 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.193 | -0.5 | 80 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.380 | -1.0 | 81 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.732 | -1.8 | 89 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.505 | 1.2 | 79 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.487 | -3.7 | 82 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.925 | 2.7 | 76 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.303 | -3.3 | 80 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.868 | 0.3 | 80 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.980 | 0.1 | 81 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 78 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.782 | -4.5 | 81 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.508 | 3.7 | 72 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.610 | 0.5 | 76 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.130 | -2.8 | 78 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.292 | -0.7 | 77 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 82.006 | -2.5 | 80 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.055 | -2.6 | 80 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.736 | -1.8 | 79 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 43.466 | -8.7 | 82 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.974 | -2.4 | 79 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.265 | -0.7 | 78 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 42.167 | -5.4 | 80 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.908 | -2.3 | 79 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.354 | -0.9 | 77 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 39.160 | 2.1 | 77 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 40.467 | -1.2 | 79 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 36.754 | 8.1 | 69 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.467 | -3.7 | 78 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.686 | -1.7 | 80 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.182 | -0.5 | 75 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.855 | 0.4 | 78 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.799 | 0.5 | 77 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.671 | -1.7 | 76 | 0.00 |
| 63 | | Azobenzene | 40.000 | 41.847 | -4.6 | 81 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 76 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.311 | 4.2 | 70 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.320 | -3.3 | 78 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.653 | -4.1 | 78 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 41.132 | -2.8 | 78 | 0.00 |
| 69 | | Atrazine | 40.000 | 41.996 | -5.0 | 78 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 35.012 | 12.5 | 63 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.367 | -3.4 | 79 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.414 | -3.5 | 79 | 0.00 |
| 73 | | Carbazole | 40.000 | 42.149 | -5.4 | 79 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 43.383 | -8.5 | 81 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.737 | -4.3 | 79 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 78 | 0.00 |
| 77 | | Benzidine | 40.000 | 38.387 | 4.0 | 67 | 0.00 |
| 78 | | Pyrene | 40.000 | 41.100 | -2.8 | 79 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 82.319 | -2.9 | 80 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.963 | -4.9 | 79 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.282 | -3.2 | 80 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.525 | -3.8 | 77 | 0.00 |
| 83 | | Chrysene | 40.000 | 41.001 | -2.5 | 80 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.551 | -3.9 | 80 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.749 | -6.9 | 80 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.482 | -3.7 | 79 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 79 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.563 | -1.4 | 78 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 42.005 | -5.0 | 83 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.887 | -4.7 | 81 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 41.329 | -3.3 | 80 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 41.215 | -3.0 | 80 | 0.00 |

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