# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG012519\
Data File : BG039276.D
Acq On : 25 Jan 2019 13:25
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 25 14:34:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 25 14:28:43 2019
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 | 66 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.113 | -0.3 | 67 | 0.00 |
| 3 | | Pyridine | 40.000 | 51.270 | -28.2# | 82 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 47.989 | -20.0 | 76 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.875 | -2.3 | 65 | 0.00 |
| 6 | | Aniline | 40.000 | 41.111 | -2.8 | 65 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.003 | -0.0 | 64 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.448 | -3.6 | 66 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.444 | 11.4 | 62 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.332 | -0.8 | 64 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 43.871 | -9.7 | 70 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.110 | -0.3 | 66 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.578 | 1.1 | 64 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.110 | -2.8 | 67 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.535 | -1.3 | 63 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.253 | -10.6 | 72 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.443 | -3.6 | 65 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.749 | -6.9 | 70 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.955 | -2.4 | 67 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.172 | -0.4 | 64 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 69 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.533 | 6.2 | 65 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 93.144 | -16.4 | 80 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.880 | -7.2 | 75 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.466 | 1.3 | 68 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.910 | -4.8 | 71 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.752 | -1.9 | 69 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 55.107 | -37.8# | 94 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 45.376 | -13.4 | 76 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.816 | -4.5 | 73 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.457 | 1.4 | 69 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 27.293 | 31.8# | 46 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.081 | 7.3 | 63 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.171 | 4.6 | 66 | 0.00 |
| 35 | | Caprolactam | 40.000 | 34.351 | 14.1 | 59 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.750 | 10.6 | 62 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 35.941 | 10.1 | 63 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 36.007 | 10.0 | 63 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 62 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.616 | -4.0 | 64 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 36.754 | 8.1 | 57 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 80.864 | -1.1 | 61 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.119 | -0.3 | 60 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.450 | 1.4 | 58 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 81.950 | -2.4 | 63 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.849 | -2.1 | 63 | -0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.245 | -0.6 | 62 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 41.476 | -3.7 | 61 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.559 | -1.4 | 62 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.650 | -1.6 | 63 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.683 | -1.7 | 62 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.794 | -2.0 | 64 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.976 | -2.4 | 63 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 34.344 | 14.1 | 52 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 42.483 | -6.2 | 66 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.270 | 4.3 | 57 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 42.142 | -5.4 | 65 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.165 | -0.4 | 62 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.225 | 1.9 | 60 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.515 | -1.3 | 63 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 41.385 | -3.5 | 63 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 38.663 | 3.3 | 58 | 0.00 |
| 63 | | Azobenzene | 40.000 | 40.891 | -2.2 | 64 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 62 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.105 | -0.3 | 61 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.135 | -2.8 | 63 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.484 | -6.2 | 65 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.811 | -2.0 | 64 | 0.00 |
| 69 | | Atrazine | 40.000 | 38.834 | 2.9 | 59 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 44.020 | -10.1 | 70 | -0.01 |
| 71 | | Phenanthrene | 40.000 | 40.253 | -0.6 | 62 | -0.01 |
| 72 | | Anthracene | 40.000 | 40.523 | -1.3 | 63 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.853 | -2.1 | 64 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 55.173 | -37.9# | 86 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 52.283 | -30.7# | 81 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 67 | 0.00 |
| 77 | | Benzidine | 40.000 | 49.776 | -24.4 | 76 | 0.00 |
| 78 | | Pyrene | 40.000 | 50.276 | -25.7# | 83 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 95.945 | -19.9 | 81 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 48.345 | -20.9 | 79 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.173 | -2.9 | 68 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 42.319 | -5.8 | 69 | 0.00 |
| 83 | | Chrysene | 40.000 | 48.538 | -21.3 | 80 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 46.526 | -16.3 | 77 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 39.279 | 1.8 | 64 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.714 | 0.7 | 64 | -0.03 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 63 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.571 | -1.4 | 65 | -0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.484 | -3.7 | 64 | -0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.730 | -1.8 | 64 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 40.998 | -2.5 | 65 | -0.03 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 40.860 | -2.1 | 65 | -0.03 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1