# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011519\
Data File : BG039147.D
Acq On : 16 Jan 2019 5:00
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 16 08:31:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 14:23:53 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 | 42 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 27.502 | 31.2# | 30 | 0.00 |
| 3 | | Pyridine | 40.000 | 46.264 | -15.7 | 48 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 43.150 | -7.9 | 44 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 95.050 | -18.8 | 49 | 0.00 |
| 6 | | Aniline | 40.000 | 48.230 | -20.6 | 49 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 99.020 | -23.8 | 51 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 44.719 | -11.8 | 46 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.614 | 1.0 | 44 | 0.00 |
| 10 | C | Phenol | 40.000 | 50.670 | -26.7# | 52 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.392 | -6.0 | 44 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.282 | 4.3 | 40 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.488 | 3.8 | 40 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.022 | -0.1 | 42 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 54.211 | -35.5# | 54 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.510 | 1.2 | 41 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 49.523 | -23.8 | 50 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 34.843 | 12.9 | 36 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 46.342 | -15.9 | 49 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 49.907 | -24.8 | 51 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 54 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.096 | 7.3 | 50 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 72.460 | 9.4 | 49 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 36.404 | 9.0 | 50 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.815 | 3.0 | 52 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.748 | 0.6 | 53 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 43.685 | -9.2 | 58 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.245 | 4.4 | 51 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 45.202 | -13.0 | 59 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.471 | 3.8 | 52 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.273 | 1.8 | 54 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 47.233 | -18.1 | 76 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 49.611 | -24.0 | 65 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 32.069 | 19.8 | 43 | 0.00 |
| 35 | | Caprolactam | 40.000 | 75.015 | -87.5# | 101 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 55.681 | -39.2# | 75 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 55.258 | -38.1# | 76 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 49.873 | -24.7 | 68 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 71 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.048 | 9.9 | 63 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 22.682 | 43.3# | 36 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 105.109 | -31.4# | 92 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.254 | -3.1 | 71 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 49.219 | -23.0 | 84 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 72.477 | 9.4 | 64 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 35.985 | 10.0 | 63 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 36.012 | 10.0 | 64 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 50.058 | -25.1# | 85 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.007 | 2.5 | 69 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.643 | -4.1 | 74 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 44.193 | -10.5 | 77 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.623 | 0.9 | 71 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 56.435 | -41.1# | 99 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.750 | -4.4 | 75 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 43.287 | -8.2 | 78 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 57.525 | -43.8# | 98 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 52.339 | -30.8# | 93 | 0.00 |
| 58 | | Fluorene | 40.000 | 45.154 | -12.9 | 81 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 51.150 | -27.9# | 90 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 45.209 | -13.0 | 81 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 43.740 | -9.4 | 77 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 62.108 | -55.3# | 106 | 0.00 |
| 63 | | Azobenzene | 40.000 | 44.167 | -10.4 | 80 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 36.807 | 8.0 | 87 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 35.790 | 10.5 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 35.944 | 10.1 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 36.299 | 9.3 | 89 | 0.00 |
| 69 | | Atrazine | 40.000 | 45.204 | -13.0 | 107 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 40.452 | -1.1 | 100 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.024 | -0.1 | 97 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.073 | -2.7 | 100 | 0.00 |
| 73 | | Carbazole | 40.000 | 45.965 | -14.9 | 112 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.128 | -5.3 | 103 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 48.963 | -22.4# | 120 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 116 | -0.01 |
| 77 | | Benzidine | 40.000 | 36.939 | 7.7 | 98 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.586 | -6.5 | 122 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 85.795 | -7.2 | 126 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 45.430 | -13.6 | 129 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.166 | -2.9 | 117 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.869 | 2.8 | 111 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.450 | -1.1 | 116 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 47.866 | -19.7 | 137 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.865 | -2.2 | 116 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 34.527 | 13.7 | 97 | -0.03 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 102 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 47.293 | -18.2 | 122 | -0.02 |
| 89 | Benzo(k)fluoranthene | 40.000 | 46.741 | -16.9 | 117 | -0.02 |
| 90 C | Benzo(a)pyrene | 40.000 | 42.149 | -5.4 | 107 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 37.276 | 6.8 | 95 | -0.03 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 36.723 | 8.2 | 94 | -0.04 |

(#) = Out of Range SPCC's out = 0 CCC's out = 3