# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100819\
Data File : BG043096.D
Acq On : 8 Oct 2019 21:50
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 09 01:18:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:11:45 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 | 108 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.764 | 3.1 | 114 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.025 | -0.1 | 110 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.895 | 0.3 | 109 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 85.533 | -6.9 | 119 | 0.00 |
| 6 | | Aniline | 40.000 | 40.407 | -1.0 | 110 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 84.759 | -5.9 | 115 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.894 | -9.7 | 120 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.673 | 8.3 | 92 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.098 | -5.2 | 115 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.737 | -1.8 | 112 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 42.399 | -6.0 | 117 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.052 | -5.1 | 116 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 43.150 | -7.9 | 120 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.038 | 7.4 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.386 | 14.0 | 94 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 42.242 | -5.6 | 112 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.052 | -5.1 | 118 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.749 | -1.9 | 109 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.786 | -7.0 | 115 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.525 | -6.3 | 103 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.693 | -2.1 | 108 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.543 | -3.9 | 111 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.794 | -2.0 | 107 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 46.922 | -17.3 | 127 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.005 | -5.0 | 113 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.579 | -3.9 | 109 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 44.558 | -11.4 | 116 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.772 | -6.9 | 116 | 0.00 |
| 31 | | Naphthalene | 40.000 | 42.647 | -6.6 | 115 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 17.297 | 56.8# | 32 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 42.943 | -7.4 | 112 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.609 | -6.5 | 116 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.670 | -4.2 | 109 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.337 | -5.8 | 109 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.125 | -5.3 | 111 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.826 | -4.6 | 113 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.925 | -7.3 | 95 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.145 | 4.6 | 96 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 90.317 | -12.9 | 116 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 44.243 | -10.6 | 111 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 44.619 | -11.5 | 114 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 88.567 | -10.7 | 111 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 42.873 | -7.2 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 44.129 | -10.3 | 111 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 42.365 | -5.9 | 107 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 43.902 | -9.8 | 111 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 42.703 | -6.8 | 108 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 44.389 | -11.0 | 112 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.287 | -3.2 | 101 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 44.059 | -10.1 | 111 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 12.960 | 67.6# | 33 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 42.544 | -6.4 | 107 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.633 | 3.4 | 96 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.006 | -7.5 | 108 | 0.00 |
| 58 | | Fluorene | 40.000 | 42.369 | -5.9 | 107 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.642 | 0.9 | 100 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 41.719 | -4.3 | 105 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.568 | -6.4 | 109 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 42.750 | -6.9 | 110 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.384 | 1.5 | 99 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 97 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 20.650 | 48.4# | 49 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 44.245 | -10.6 | 106 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 45.182 | -13.0 | 107 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 46.141 | -15.4 | 112 | 0.00 |
| 69 | | Atrazine | 40.000 | 38.708 | 3.2 | 90 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 28.604 | 28.5# | 68 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 43.122 | -7.8 | 104 | 0.00 |
| 72 | | Anthracene | 40.000 | 42.701 | -6.8 | 102 | 0.00 |
| 73 | | Carbazole | 40.000 | 42.072 | -5.2 | 102 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.045 | -5.1 | 100 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.188 | -3.0 | 100 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 92 | 0.00 |
| 77 | | Benzidine | 40.000 | 35.614 | 11.0 | 78 | 0.00 |
| 78 | | Pyrene | 40.000 | 43.835 | -9.6 | 99 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 92.289 | -15.4 | 100 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 45.001 | -12.5 | 104 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 43.433 | -8.6 | 100 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.873 | -12.2 | 102 | 0.00 |
| 83 | | Chrysene | 40.000 | 43.206 | -8.0 | 100 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.427 | -11.1 | 104 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 45.387 | -13.5 | 105 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.323 | -13.3 | 106 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 43.413 | -8.5 | 105 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 42.137 | -5.3 | 101 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 42.708 | -6.8 | 104 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 43.851 | -9.6 | 106 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 43.760 | -9.4 | 107 | 0.00 |

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