# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040148.D
Acq On : 26 Mar 2019 15:36
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 27 01:31:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 14:38:15 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 | 116 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 36.107 | 9.7 | 110 | -0.02 |
| 3 | | Pyridine | 40.000 | 37.956 | 5.1 | 104 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.111 | -0.3 | 114 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 78.342 | 2.1 | 113 | -0.02 |
| 6 | | Aniline | 40.000 | 38.971 | 2.6 | 113 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 81.042 | -1.3 | 116 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 39.766 | 0.6 | 115 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 38.878 | 2.8 | 112 | -0.02 |
| 10 | C | Phenol | 40.000 | 39.811 | 0.5 | 113 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.403 | 1.5 | 116 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.901 | 2.7 | 113 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.229 | 1.9 | 116 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.763 | 3.1 | 114 | -0.03 |
| 15 | | Benzyl Alcohol | 40.000 | 40.684 | -1.7 | 114 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.813 | 8.0 | 108 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 39.898 | 0.3 | 113 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 39.681 | 0.8 | 119 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.252 | 4.4 | 108 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.091 | -0.2 | 113 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 112 | -0.03 |
| 22 | | Acetophenone | 40.000 | 39.920 | 0.2 | 110 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.295 | -5.4 | 116 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 41.244 | -3.1 | 114 | -0.02 |
| 25 | | Isophorone | 40.000 | 39.605 | 1.0 | 109 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.604 | -9.0 | 117 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.318 | -3.3 | 113 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.453 | 1.4 | 109 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.172 | -5.4 | 114 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.833 | -2.1 | 115 | -0.02 |
| 31 | | Naphthalene | 40.000 | 39.409 | 1.5 | 110 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 34.525 | 13.7 | 99 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 41.185 | -3.0 | 112 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.536 | -3.8 | 116 | -0.03 |
| 35 | | Caprolactam | 40.000 | 39.450 | 1.4 | 106 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.759 | -1.9 | 110 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.811 | 0.5 | 111 | -0.02 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.775 | 0.6 | 110 | -0.02 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 112 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.500 | -3.8 | 117 | -0.02 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 43.088 | -7.7 | 119 | -0.03 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 84.854 | -6.1 | 113 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.860 | -4.6 | 113 | -0.02 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.345 | -3.4 | 109 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.285 | 2.1 | 110 | -0.02 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.933 | 0.2 | 112 | -0.02 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.941 | 0.1 | 113 | -0.02 |
| 48 | | 2-Nitroaniline | 40.000 | 42.008 | -5.0 | 112 | -0.02 |
| 49 | | Acenaphthylene | 40.000 | 38.701 | 3.2 | 107 | -0.02 |
| 50 | | Dimethylphthalate | 40.000 | 38.846 | 2.9 | 107 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.008 | -2.5 | 108 | -0.02 |
| 52 | C | Acenaphthene | 40.000 | 39.356 | 1.6 | 110 | -0.02 |
| 53 | | 3-Nitroaniline | 40.000 | 39.707 | 0.7 | 106 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 34.173 | 14.6 | 93 | -0.02 |
| 55 | | Dibenzofuran | 40.000 | 38.808 | 3.0 | 108 | -0.02 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.367 | 1.6 | 105 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.518 | -3.8 | 110 | -0.02 |
| 58 | | Fluorene | 40.000 | 38.448 | 3.9 | 107 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.575 | -1.4 | 108 | -0.02 |
| 60 | | Diethylphthalate | 40.000 | 38.963 | 2.6 | 106 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.659 | 0.9 | 110 | -0.02 |
| 62 | | 4-Nitroaniline | 40.000 | 39.581 | 1.0 | 104 | -0.02 |
| 63 | | Azobenzene | 40.000 | 38.690 | 3.3 | 108 | -0.02 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 109 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.411 | 4.0 | 104 | -0.02 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.103 | -0.3 | 107 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.305 | -3.3 | 112 | -0.02 |
| 68 | | Hexachlorobenzene | 40.000 | 40.891 | -2.2 | 111 | -0.02 |
| 69 | | Atrazine | 40.000 | 33.322 | 16.7 | 89 | -0.02 |
| 70 | C | Pentachlorophenol | 40.000 | 36.446 | 8.9 | 97 | -0.02 |
| 71 | | Phenanthrene | 40.000 | 38.176 | 4.6 | 104 | -0.02 |
| 72 | | Anthracene | 40.000 | 38.856 | 2.9 | 106 | -0.02 |
| 73 | | Carbazole | 40.000 | 38.275 | 4.3 | 104 | -0.02 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.655 | 3.4 | 105 | -0.02 |
| 75 | C | Fluoranthene | 40.000 | 37.880 | 5.3 | 104 | -0.02 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 108 | -0.03 |
| 77 | | Benzidine | 40.000 | 29.657 | 25.9# | 72 | -0.02 |
| 78 | | Pyrene | 40.000 | 39.601 | 1.0 | 104 | -0.02 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.620 | 1.7 | 106 | -0.02 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.599 | -4.0 | 107 | -0.02 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.655 | 0.9 | 105 | -0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.163 | 2.1 | 100 | -0.02 |
| 83 | | Chrysene | 40.000 | 39.523 | 1.2 | 106 | -0.02 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.793 | -2.0 | 105 | -0.03 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.787 | -4.5 | 106 | -0.04 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.757 | 0.6 | 104 | -0.07 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 104 | -0.05 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.678 | -1.7 | 106 | -0.04 |
| 89 | Benzo(k)fluoranthene | 40.000 | 38.651 | 3.4 | 102 | -0.04 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.099 | -2.7 | 106 | -0.04 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 39.120 | 2.2 | 103 | -0.07 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 40.117 | -0.3 | 104 | -0.07 |

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