# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032918\
Data File : BG033443.D
Acq On : 30 Mar 2018 7:29
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 30 08:27:40 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 18:34:58 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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.158 | 2.1 | 95 | 0.00 |
| 3 | | Pyridine | 40.000 | 42.233 | -5.6 | 92 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.471 | -3.7 | 99 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 85.107 | -6.4 | 95 | 0.00 |
| 6 | | Aniline | 40.000 | 42.419 | -6.0 | 95 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 82.264 | -2.8 | 96 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.662 | -6.7 | 95 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.508 | 13.7 | 85 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.318 | -3.3 | 94 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.780 | 3.0 | 86 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.197 | 2.0 | 93 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.066 | -2.7 | 99 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.103 | 2.2 | 90 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.961 | -7.4 | 97 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.848 | -2.1 | 96 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.989 | -2.5 | 96 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.351 | -0.9 | 96 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 43.444 | -8.6 | 96 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.859 | -7.1 | 96 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.764 | -1.9 | 95 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.998 | 2.5 | 94 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.199 | 4.5 | 92 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.567 | -3.9 | 100 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.825 | -7.1 | 99 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.645 | -1.6 | 103 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.404 | 4.0 | 92 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.185 | -0.5 | 95 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.819 | 5.5 | 93 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.793 | 3.0 | 95 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 14.881 | 62.8# | 42 | 0.06 |
| 33 | | 4-Chloroaniline | 40.000 | 37.685 | 5.8 | 90 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.100 | 7.2 | 94 | 0.00 |
| 35 | | Caprolactam | 40.000 | 46.519 | -16.3 | 111 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.941 | 0.1 | 93 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.991 | 2.5 | 98 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.844 | 7.9 | 96 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 33.309 | 16.7 | 85 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 81.412 | -1.8 | 103 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.329 | 1.7 | 98 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.545 | -1.4 | 97 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 74.910 | 6.4 | 97 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.064 | 4.8 | 98 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.022 | 4.9 | 98 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 40.989 | -2.5 | 102 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.867 | 2.8 | 101 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 40.416 | -1.0 | 105 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.449 | -3.6 | 103 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 36.394 | 9.0 | 93 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 40.675 | -1.7 | 104 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 11.792 | 70.5# | 14 | 0.02 |
| 54 | | Dibenzofuran | 40.000 | 38.806 | 3.0 | 101 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 36.009 | 10.0 | 90 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 40.290 | -0.7 | 103 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.051 | 2.4 | 103 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.862 | -2.2 | 102 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 41.029 | -2.6 | 107 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.893 | 2.8 | 103 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.844 | -4.6 | 107 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.081 | 2.3 | 101 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 111 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 17.808 | 55.5# | 47 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.263 | 4.3 | 104 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.546 | 3.6 | 105 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 38.335 | 4.2 | 106 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.846 | 0.4 | 108 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 35.861 | 10.3 | 98 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 38.268 | 4.3 | 105 | 0.00 |
| 71 | | Anthracene | 40.000 | 39.215 | 2.0 | 107 | 0.00 |
| 72 | | Carbazole | 40.000 | 38.958 | 2.6 | 106 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.446 | 1.4 | 107 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 38.000 | 5.0 | 104 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 113 | 0.00 |
| 76 | | Benzidine | 40.000 | 47.189 | -18.0 | 122 | 0.00 |
| 77 | | Pyrene | 40.000 | 37.580 | 6.1 | 105 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 74.634 | 6.7 | 105 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.155 | 2.1 | 109 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.975 | 5.1 | 107 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.754 | -4.4 | 112 | 0.00 |
| 82 | | Chrysene | 40.000 | 38.812 | 3.0 | 110 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.883 | 0.3 | 111 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.935 | -4.8 | 115 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.510 | -3.8 | 115 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 119 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 37.040 | 7.4 | 109 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.237 | 4.4 | 112 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.227 | 4.4 | 112 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.855 | 0.4 | 113 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.721 | 0.7 | 115 | 0.00 |

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