# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
Data File : BG032809.D
Acq On : 24 Feb 2018 3:45
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 24 05:56:47 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 17:04:54 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 | 106 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 41.025 | -2.6 | 109 | 0.00 |
| 3 | | Pyridine | 40.000 | 42.521 | -6.3 | 108 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.004 | -2.5 | 107 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.065 | -2.6 | 106 | 0.00 |
| 6 | | Aniline | 40.000 | 39.094 | 2.3 | 104 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 81.217 | -1.5 | 106 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.296 | -0.7 | 105 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.218 | 7.0 | 101 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.626 | -1.6 | 107 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.813 | 3.0 | 103 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.649 | 3.4 | 102 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.137 | 2.2 | 103 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.916 | 2.7 | 104 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.387 | 1.5 | 105 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.478 | 8.8 | 97 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.274 | 1.8 | 103 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.688 | 0.8 | 105 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.895 | 5.3 | 102 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.988 | 0.0 | 106 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.414 | 1.5 | 103 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 89.216 | -11.5 | 130 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 43.677 | -9.2 | 121 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.534 | 3.7 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 52.691 | -31.7# | 165 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.330 | -0.8 | 108 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.593 | 3.5 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.247 | -0.6 | 106 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.495 | 3.8 | 101 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.347 | 1.6 | 104 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 50.599 | -26.5# | 160 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.640 | 0.9 | 105 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.605 | 6.0 | 99 | 0.00 |
| 35 | | Caprolactam | 40.000 | 45.813 | -14.5 | 117 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.116 | -5.3 | 109 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.121 | 2.2 | 104 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.679 | 3.3 | 104 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 39.604 | 1.0 | 105 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 90.281 | -12.9 | 119 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.927 | -4.8 | 112 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.865 | -7.2 | 114 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 77.416 | 3.2 | 104 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.178 | 2.1 | 105 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.675 | 3.3 | 104 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 48.652 | -21.6 | 154 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 39.363 | 1.6 | 105 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 39.027 | 2.4 | 105 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 48.858 | -22.1 | 150 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 40.030 | -0.1 | 107 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 49.073 | -22.7 | 148 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 54.233 | -35.6# | 167 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.802 | 3.0 | 105 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 48.238 | -20.6 | 142 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 55.814 | -39.5# | 182 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.757 | 0.6 | 108 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.532 | -8.8 | 115 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.902 | 0.2 | 107 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.275 | 1.8 | 107 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 48.031 | -20.1 | 137 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.259 | 1.9 | 106 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 112 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 57.557 | -43.9# | 198 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.173 | 2.1 | 109 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.764 | 5.6 | 107 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 37.614 | 6.0 | 107 | 0.00 |
| 68 | | Atrazine | 40.000 | 40.334 | -0.8 | 112 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 44.629 | -11.6 | 124 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.708 | 0.7 | 111 | 0.00 |
| 71 | | Anthracene | 40.000 | 39.761 | 0.6 | 111 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.674 | 0.8 | 111 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.406 | -1.0 | 111 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 40.194 | -0.5 | 113 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 76 | | Benzidine | 40.000 | 32.137 | 19.7 | 100 | 0.00 |
| 77 | | Pyrene | 40.000 | 37.407 | 6.5 | 114 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 74.334 | 7.1 | 113 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.396 | -6.0 | 122 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.015 | 2.5 | 118 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.122 | -0.3 | 118 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.090 | 2.3 | 118 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.700 | -4.3 | 119 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 43.718 | -9.3 | 122 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.539 | -1.3 | 119 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 124 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 38.756 | 3.1 | 117 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.573 | 3.6 | 120 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.369 | 1.6 | 121 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.174 | 2.1 | 119 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.206 | 2.0 | 119 | 0.00 |

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