# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG042318\
Data File : BG033915.D
Acq On : 23 Apr 2018 11:24
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 24 03:15:36 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 13:56:22 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 | 146 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.730 | 8.2 | 139 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.546 | 6.1 | 128 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.045 | 12.4 | 128 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 73.879 | 7.7 | 133 | 0.00 |
| 6 | | Aniline | 40.000 | 36.696 | 8.3 | 127 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 72.686 | 9.1 | 128 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 36.832 | 7.9 | 131 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 32.348 | 19.1 | 121 | 0.00 |
| 10 | C | Phenol | 40.000 | 35.742 | 10.6 | 127 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.209 | 7.0 | 130 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.300 | 6.8 | 131 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.425 | 6.4 | 133 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.866 | 7.8 | 131 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 35.218 | 12.0 | 124 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.500 | 13.8 | 121 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 35.093 | 12.3 | 125 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 36.844 | 7.9 | 133 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 33.719 | 15.7 | 118 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 34.596 | 13.5 | 122 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 132 | -0.01 |
| 22 | | Acetophenone | 40.000 | 37.422 | 6.4 | 124 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.965 | -2.5 | 134 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.274 | 1.8 | 126 | 0.00 |
| 25 | | Isophorone | 40.000 | 35.570 | 11.1 | 116 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 45.260 | -13.1 | 149 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.616 | 6.0 | 121 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.388 | 6.5 | 122 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.387 | 4.0 | 124 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.953 | 2.6 | 128 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.542 | 6.1 | 123 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.151 | -2.9 | 138 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 36.760 | 8.1 | 119 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.347 | -3.4 | 129 | 0.00 |
| 35 | | Caprolactam | 40.000 | 36.503 | 8.7 | 120 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.247 | 11.9 | 115 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.984 | 7.5 | 121 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 120 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.522 | 1.2 | 120 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 42.943 | -7.4 | 127 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 81.510 | -1.9 | 118 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.718 | -1.8 | 123 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.524 | -1.3 | 122 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 76.673 | 4.2 | 116 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.262 | 4.3 | 116 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.421 | 3.9 | 117 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 41.294 | -3.2 | 123 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 37.619 | 6.0 | 114 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 36.042 | 9.9 | 109 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.935 | -2.3 | 121 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 37.036 | 7.4 | 109 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 41.947 | -4.9 | 119 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 49.531 | -23.8 | 151 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 36.739 | 8.2 | 112 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 41.550 | -3.9 | 117 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.014 | -7.5 | 128 | 0.00 |
| 57 | | Fluorene | 40.000 | 36.395 | 9.0 | 110 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.018 | 2.5 | 112 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 35.257 | 11.9 | 107 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.136 | 7.2 | 114 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 40.868 | -2.2 | 118 | 0.00 |
| 62 | | Azobenzene | 40.000 | 34.862 | 12.8 | 106 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 115 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.529 | -13.8 | 138 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 37.743 | 5.6 | 110 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.096 | 2.3 | 112 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.509 | 3.7 | 110 | -0.01 |
| 68 | | Atrazine | 40.000 | 37.115 | 7.2 | 108 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 40.358 | -0.9 | 114 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 37.061 | 7.3 | 107 | -0.01 |
| 71 | | Anthracene | 40.000 | 37.546 | 6.1 | 107 | -0.01 |
| 72 | | Carbazole | 40.000 | 36.575 | 8.6 | 107 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.571 | 6.1 | 109 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 36.387 | 9.0 | 106 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 115 | -0.01 |
| 76 | | Benzidine | 40.000 | 34.831 | 12.9 | 101 | -0.01 |
| 77 | | Pyrene | 40.000 | 37.306 | 6.7 | 106 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 74.214 | 7.2 | 106 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 37.297 | 6.8 | 106 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.360 | 6.6 | 107 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.571 | 3.6 | 109 | -0.01 |
| 82 | | Chrysene | 40.000 | 37.127 | 7.2 | 106 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.823 | 5.4 | 107 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 38.061 | 4.8 | 107 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.089 | 2.3 | 110 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 118 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 37.155 | 7.1 | 109 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 36.648 | 8.4 | 108 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.395 | 6.5 | 110 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 37.533 | 6.2 | 110 | -0.04 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.679 | 5.8 | 110 | -0.04 |

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