# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG040518\
Data File : BG033610.D
Acq On : 6 Apr 2018 2:04
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 06 04:07:56 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 05 17:36:07 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 | 138 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.967 | 7.6 | 129 | 0.00 |
| 3 | | Pyridine | 40.000 | 43.066 | -7.7 | 134 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.392 | -11.0 | 152 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.834 | -4.8 | 133 | 0.00 |
| 6 | | Aniline | 40.000 | 44.698 | -11.7 | 143 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 87.983 | -10.0 | 147 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.322 | -8.3 | 138 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 32.957 | 17.6 | 116 | 0.00 |
| 10 | C | Phenol | 40.000 | 43.721 | -9.3 | 143 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.692 | 0.8 | 126 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.641 | 3.4 | 131 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.707 | 5.7 | 130 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.551 | -1.4 | 133 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 44.949 | -12.4 | 144 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.893 | -9.7 | 148 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 43.955 | -9.9 | 148 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.783 | -4.5 | 143 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 44.845 | -12.1 | 142 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.869 | -12.2 | 144 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 142 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.594 | 1.0 | 131 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.535 | -1.9 | 140 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.190 | -0.5 | 138 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.031 | -2.6 | 141 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.274 | 1.8 | 129 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 43.015 | -7.5 | 155 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.819 | 3.0 | 133 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.870 | -7.2 | 145 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.620 | 3.5 | 135 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.521 | -1.3 | 141 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 32.523 | 18.7 | 129 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 40.186 | -0.5 | 136 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.140 | 7.1 | 134 | 0.00 |
| 35 | | Caprolactam | 40.000 | 43.768 | -9.4 | 149 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.744 | -6.9 | 141 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.644 | -1.6 | 146 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 144 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.962 | 5.1 | 135 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 29.799 | 25.5# | 104 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 72.764 | 9.0 | 126 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.968 | 2.6 | 132 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.588 | -1.5 | 133 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 77.426 | 3.2 | 137 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.969 | 0.1 | 141 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.363 | -0.9 | 142 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 41.924 | -4.8 | 143 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.163 | -0.4 | 142 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 38.996 | 2.5 | 138 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.380 | -1.0 | 137 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 38.805 | 3.0 | 135 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 39.052 | 2.4 | 136 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 25.649 | 35.9# | 80 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 39.243 | 1.9 | 139 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.781 | 13.0 | 119 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.440 | 1.4 | 138 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.480 | 1.3 | 142 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.590 | 3.5 | 132 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 40.194 | -0.5 | 143 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.316 | 6.7 | 135 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 39.934 | 0.2 | 140 | 0.00 |
| 62 | | Azobenzene | 40.000 | 40.603 | -1.5 | 143 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 136 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 36.206 | 9.5 | 116 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.740 | -4.4 | 140 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.639 | -1.6 | 135 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 39.846 | 0.4 | 135 | 0.00 |
| 68 | | Atrazine | 40.000 | 40.292 | -0.7 | 133 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 36.119 | 9.7 | 121 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.859 | 0.4 | 134 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.071 | -0.2 | 135 | 0.00 |
| 72 | | Carbazole | 40.000 | 40.463 | -1.2 | 135 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.554 | -3.9 | 138 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 38.500 | 3.8 | 129 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 134 | 0.00 |
| 76 | | Benzidine | 40.000 | 37.189 | 7.0 | 114 | 0.00 |
| 77 | | Pyrene | 40.000 | 38.635 | 3.4 | 128 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 76.292 | 4.6 | 127 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.340 | -5.9 | 139 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.223 | 1.9 | 131 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.794 | -2.0 | 130 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.502 | 1.2 | 132 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.143 | -10.4 | 145 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 45.731 | -14.3 | 148 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.423 | -3.6 | 135 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 139 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.429 | 1.4 | 135 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.091 | 2.3 | 134 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.605 | 1.0 | 135 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.625 | 3.4 | 128 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.908 | 0.2 | 135 | 0.00 |

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