# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA G\Data\BG022118\
Data File : BG032772.D
Acq On : 22 Feb 2018 00:07
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 22 07:18:54 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 22 07:13:07 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 2 | | 1,4-Dioxane | 0.543 | 0.547 | -0.7 | 112 | 0.00 |
| 3 | | Pyridine | 1.495 | 1.590 | -6.4 | 113 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.600 | 0.611 | -1.8 | 110 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.250 | 1.296 | -3.7 | 111 | 0.00 |
| 6 | | Aniline | 2.359 | 2.314 | 1.9 | 108 | 0.00 |
| 7 | S | Phenol-d6 | 1.742 | 1.771 | -1.7 | 110 | 0.00 |
| 8 | | 2-Chlorophenol | 1.368 | 1.389 | -1.5 | 110 | 0.00 |
| 9 | | Benzaldehyde | 1.004 | 0.970 | 3.4 | 109 | 0.00 |
| 10 | C | Phenol | 1.757 | 1.759 | -0.1 | 110 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.436 | 1.417 | 1.3 | 109 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.603 | 1.573 | 1.9 | 108 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.613 | 1.567 | 2.9 | 106 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.546 | 1.500 | 3.0 | 108 | 0.00 |
| 15 | | Benzyl Alcohol | 1.281 | 1.288 | -0.5 | 111 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.469 | 2.328 | 5.7 | 104 | -0.01 |
| 17 | | 2-Methylphenol | 1.295 | 1.286 | 0.7 | 109 | 0.00 |
| 18 | | Hexachloroethane | 0.549 | 0.565 | -2.9 | 113 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.230 | 1.208 | 1.8 | 109 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.801 | 1.814 | -0.7 | 111 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 22 | | Acetophenone | 0.505 | 0.491 | 2.8 | 108 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.242 | 0.320 | -32.2# | 136 | 0.00 |
| 24 | | Nitrobenzene | 0.289 | 0.340 | -17.6 | 127 | 0.00 |
| 25 | | Isophorone | 0.702 | 0.689 | 1.9 | 110 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.103 | 0.149 | -44.7# | 169# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.305 | 0.305 | 0.0 | 114 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.409 | 0.399 | 2.4 | 109 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.277 | 0.282 | -1.8 | 113 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.324 | 0.317 | 2.2 | 109 | 0.00 |
| 31 | | Naphthalene | 1.045 | 1.020 | 2.4 | 109 | 0.00 |
| 32 | | Benzoic acid | 0.174 | 0.245 | -40.8# | 168# | 0.00 |
| 33 | | 4-Chloroaniline | 0.467 | 0.462 | 1.1 | 111 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.182 | 0.175 | 3.8 | 107 | 0.00 |
| 35 | | Caprolactam | 0.111 | 0.125 | -12.6 | 122 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.322 | 0.340 | -5.6 | 115 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.756 | 0.741 | 2.0 | 110 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.594 | 0.579 | 2.5 | 111 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.303 | 0.310 | -2.3 | 114 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.210 | 0.231 | -10.0 | 122 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.374 | 0.400 | -7.0 | 120 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.433 | 0.466 | -7.6 | 120 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.387 | 1.343 | 3.2 | 109 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.748 | 1.704 | 2.5 | 110 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.306 | 1.274 | 2.5 | 110 | 0.00 |
| 47 | | 2-Nitroaniline | 0.282 | 0.385 | -36.5# | 155# | 0.00 |
| 48 | | Acenaphthylene | 2.137 | 2.094 | 2.0 | 110 | 0.00 |
| 49 | | Dimethylphthalate | 1.698 | 1.661 | 2.2 | 111 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.244 | 0.323 | -32.4# | 148 | 0.00 |
| 51 | C | Acenaphthene | 1.331 | 1.314 | 1.3 | 111 | 0.00 |
| 52 | | 3-Nitroaniline | 0.308 | 0.398 | -29.2# | 144 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.070 | 0.085 | -21.4 | 143 | 0.00 |
| 54 | | Dibenzofuran | 1.895 | 1.846 | 2.6 | 111 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.233 | 0.290 | -24.5 | 138 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.293 | 0.424 | -44.7# | 169# | 0.00 |
| 57 | | Fluorene | 1.564 | 1.524 | 2.6 | 111 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.336 | 0.363 | -8.0 | 120 | 0.00 |
| 59 | | Diethylphthalate | 1.791 | 1.753 | 2.1 | 111 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.765 | 0.744 | 2.7 | 111 | 0.00 |
| 61 | | 4-Nitroaniline | 0.336 | 0.415 | -23.5 | 135 | 0.00 |
| 62 | | Azobenzene | 1.602 | 1.551 | 3.2 | 110 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.054 | 0.077 | -42.6# | 171# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.651 | 0.638 | 2.0 | 110 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.211 | 0.205 | 2.8 | 111 | 0.00 |
| 67 | | Hexachlorobenzene | 0.229 | 0.217 | 5.2 | 109 | 0.00 |
| 68 | | Atrazine | 0.214 | 0.211 | 1.4 | 110 | 0.00 |
| 69 | C | Pentachlorophenol | 0.144 | 0.158 | -9.7 | 123 | 0.00 |
| 70 | | Phenanthrene | 1.116 | 1.076 | 3.6 | 109 | 0.00 |
| 71 | | Anthracene | 1.120 | 1.084 | 3.2 | 109 | 0.00 |
| 72 | | Carbazole | 1.104 | 1.075 | 2.6 | 110 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.355 | 1.357 | -0.1 | 111 | 0.00 |
| 74 | C | Fluoranthene | 1.233 | 1.208 | 2.0 | 111 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 76 | | Benzidine | 0.682 | 0.571 | 16.3 | 102 | 0.00 |
| 77 | | Pyrene | 1.410 | 1.326 | 6.0 | 112 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.890 | 0.831 | 6.6 | 112 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.625 | 0.670 | -7.2 | 121 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.283 | 1.242 | 3.2 | 114 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.475 | 0.488 | -2.7 | 118 | 0.00 |
| 82 | | Chrysene | 1.225 | 1.199 | 2.1 | 116 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.926 | 0.972 | -5.0 | 118 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.411 | 1.559 | -10.5 | 121 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.429 | 1.467 | -2.7 | 118 | -0.03 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 122 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.183 | 1.141 | 3.6 | 115 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.175 | 1.140 | 3.0 | 118 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.125 | 1.098 | 2.4 | 118 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.132 | 1.111 | 1.9 | 117 | -0.04 |
| 91 | Benzo(g,h,i)perylene | 1.116 | 1.100 | 1.4 | 118 | -0.04 |

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