# Evaluate Continuing Calibration Report

Data Path : U:\HPCHEM1\BNA G\Data\BG020218\
Data File : BG032507.D
Acq On : 2 Feb 2018 10:53
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 02 22:00:17 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 15:32:55 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 | 126 | -0.01 |
| 2 | | 1,4-Dioxane | 0.335 | 0.329 | 1.8 | 135 | 0.00 |
| 3 | | Pyridine | 0.905 | 0.883 | 2.4 | 121 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.471 | 0.485 | -3.0 | 122 | 0.00 |
| 5 | S | 2-Fluorophenol | 0.996 | 1.002 | -0.6 | 124 | 0.00 |
| 6 | | Aniline | 1.657 | 1.527 | 7.8 | 111 | 0.00 |
| 7 | S | Phenol-d6 | 1.329 | 1.288 | 3.1 | 121 | 0.00 |
| 8 | | 2-Chlorophenol | 1.177 | 1.193 | -1.4 | 125 | -0.01 |
| 9 | | Benzaldehyde | 0.686 | 0.646 | 5.8 | 119 | 0.00 |
| 10 | C | Phenol | 1.262 | 1.274 | -1.0 | 123 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 0.961 | 0.974 | -1.4 | 126 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.592 | 1.590 | 0.1 | 127 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.595 | 1.559 | 2.3 | 124 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.563 | 1.580 | -1.1 | 126 | -0.01 |
| 15 | | Benzyl Alcohol | 1.095 | 1.015 | 7.3 | 112 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 0.911 | 0.823 | 9.7 | 112 | 0.00 |
| 17 | | 2-Methylphenol | 1.025 | 0.911 | 11.1 | 109 | 0.00 |
| 18 | | Hexachloroethane | 0.536 | 0.549 | -2.4 | 132 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.881 | 0.788 | 10.6 | 108 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.438 | 1.351 | 6.1 | 111 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 113 | -0.01 |
| 22 | | Acetophenone | 0.469 | 0.450 | 4.1 | 110 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.320 | 0.320 | 0.0 | 112 | 0.00 |
| 24 | | Nitrobenzene | 0.310 | 0.310 | 0.0 | 114 | 0.00 |
| 25 | | Isophorone | 0.545 | 0.518 | 5.0 | 108 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.187 | 0.192 | -2.7 | 111 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.269 | 0.254 | 5.6 | 107 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.299 | 0.286 | 4.3 | 109 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.356 | 0.359 | -0.8 | 115 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.474 | 0.483 | -1.9 | 119 | -0.02 |
| 31 | | Naphthalene | 0.977 | 0.971 | 0.6 | 114 | -0.01 |
| 32 | | Benzoic acid | 0.181 | 0.163 | 9.9 | 99 | 0.01 |
| 33 | | 4-Chloroaniline | 0.436 | 0.413 | 5.3 | 109 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.369 | 0.389 | -5.4 | 122 | -0.02 |
| 35 | | Caprolactam | 0.102 | 0.093 | 8.8 | 101 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.338 | 0.320 | 5.3 | 110 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.821 | 0.802 | 2.3 | 112 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 104 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.936 | 0.961 | -2.7 | 111 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.585 | 0.590 | -0.9 | 107 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.381 | 0.397 | -4.2 | 111 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.509 | 0.503 | 1.2 | 107 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.593 | 0.615 | -3.7 | 111 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.683 | 1.695 | -0.7 | 109 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.690 | 1.734 | -2.6 | 110 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.324 | 1.347 | -1.7 | 110 | -0.01 |
| 47 | | 2-Nitroaniline | 0.293 | 0.306 | -4.4 | 111 | 0.00 |
| 48 | | Acenaphthylene | 2.002 | 2.013 | -0.5 | 108 | 0.00 |
| 49 | | Dimethylphthalate | 1.844 | 1.777 | 3.6 | 107 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.387 | 0.388 | -0.3 | 110 | 0.00 |
| 51 | C | Acenaphthene | 1.389 | 1.405 | -1.2 | 108 | 0.00 |
| 52 | | 3-Nitroaniline | 0.338 | 0.336 | 0.6 | 106 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.217 | 0.185 | 14.7 | 91 | 0.00 |
| 54 | | Dibenzofuran | 2.055 | 2.026 | 1.4 | 108 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.253 | 0.222 | 12.3 | 94 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.551 | 0.556 | -0.9 | 108 | -0.01 |
| 57 | | Fluorene | 1.708 | 1.670 | 2.2 | 108 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.585 | 0.572 | 2.2 | 103 | -0.01 |
| 59 | | Diethylphthalate | 1.796 | 1.731 | 3.6 | 107 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 1.077 | 1.064 | 1.2 | 107 | -0.01 |
| 61 | | 4-Nitroaniline | 0.362 | 0.350 | 3.3 | 107 | 0.00 |
| 62 | | Azobenzene | 1.073 | 1.074 | -0.1 | 111 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.149 | 0.132 | 11.4 | 93 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.597 | 0.600 | -0.5 | 109 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.296 | 0.301 | -1.7 | 109 | -0.01 |
| 67 | | Hexachlorobenzene | 0.328 | 0.330 | -0.6 | 109 | -0.01 |
| 68 | | Atrazine | 0.256 | 0.260 | -1.6 | 107 | 0.00 |
| 69 | C | Pentachlorophenol | 0.205 | 0.197 | 3.9 | 104 | 0.00 |
| 70 | | Phenanthrene | 1.115 | 1.093 | 2.0 | 107 | -0.01 |
| 71 | | Anthracene | 1.111 | 1.106 | 0.5 | 107 | 0.00 |
| 72 | | Carbazole | 0.981 | 0.968 | 1.3 | 107 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.086 | 1.119 | -3.0 | 110 | -0.01 |
| 74 | C | Fluoranthene | 1.463 | 1.452 | 0.8 | 110 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 76 | | Benzidine | 0.393 | 0.374 | 4.8 | 95 | 0.00 |
| 77 | | Pyrene | 1.227 | 1.184 | 3.5 | 110 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.934 | 0.911 | 2.5 | 112 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.387 | 0.405 | -4.7 | 116 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.240 | 1.250 | -0.8 | 114 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.480 | 0.482 | -0.4 | 112 | 0.00 |
| 82 | | Chrysene | 1.197 | 1.190 | 0.6 | 114 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.549 | 0.581 | -5.8 | 117 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 0.870 | 0.942 | -8.3 | 120 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.515 | 1.596 | -5.3 | 118 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.208 | 1.189 | 1.6 | 116 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.197 | 1.187 | 0.8 | 118 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.152 | 1.151 | 0.1 | 119 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.179 | 1.191 | -1.0 | 119 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.170 | 1.162 | 0.7 | 117 | 0.00 |

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