# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG041916\
Data File : BG021739.D
Acq On : 18 Apr 2016 15:39
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 19 03:34:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
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 | 143 | -0.01 |
| 2 | | 1,4-Dioxane | 0.535 | 0.529 | 1.1 | 140 | -0.01 |
| 3 | | Pyridine | 1.604 | 1.473 | 8.2 | 135 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.795 | 0.702 | 11.7 | 132 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.201 | 1.207 | -0.5 | 145 | 0.00 |
| 6 | | Aniline | 2.373 | 2.217 | 6.6 | 138 | 0.00 |
| 7 | S | Phenol-d6 | 1.794 | 1.714 | 4.5 | 139 | 0.01 |
| 8 | | 2-Chlorophenol | 1.440 | 1.399 | 2.8 | 141 | 0.00 |
| 9 | | Benzaldehyde | 1.037 | 0.874 | 15.7 | 128 | -0.01 |
| 10 | C | Phenol | 1.930 | 1.838 | 4.8 | 138 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.544 | 1.430 | 7.4 | 136 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.608 | 1.573 | 2.2 | 141 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.637 | 1.599 | 2.3 | 141 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.570 | 1.522 | 3.1 | 141 | -0.01 |
| 15 | | Benzyl Alcohol | 1.371 | 1.286 | 6.2 | 138 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 3.308 | 2.803 | 15.3 | 124 | -0.01 |
| 17 | | 2-Methylphenol | 1.334 | 1.268 | 4.9 | 140 | 0.00 |
| 18 | | Hexachloroethane | 0.596 | 0.589 | 1.2 | 144 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.394 | 1.218 | 12.6 | 132 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.826 | 1.744 | 4.5 | 140 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 137 | 0.00 |
| 22 | | Acetophenone | 0.557 | 0.539 | 3.2 | 134 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.389 | 0.385 | 1.0 | 137 | 0.00 |
| 24 | | Nitrobenzene | 0.417 | 0.408 | 2.2 | 135 | 0.00 |
| 25 | | Isophorone | 0.852 | 0.774 | 9.2 | 132 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.159 | 0.192 | -20.8# | 168# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.361 | 0.326 | 9.7 | 131 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.453 | 0.424 | 6.4 | 132 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.308 | 0.317 | -2.9 | 142 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.331 | 0.341 | -3.0 | 142 | 0.00 |
| 31 | | Naphthalene | 1.070 | 1.036 | 3.2 | 134 | 0.00 |
| 32 | | Benzoic acid | 0.192 | 0.175 | 8.9 | 132 | 0.03 |
| 33 | | 4-Chloroaniline | 0.463 | 0.445 | 3.9 | 138 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.214 | 0.228 | -6.5 | 148 | -0.01 |
| 35 | | Caprolactam | 0.141 | 0.133 | 5.7 | 134 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.387 | 0.377 | 2.6 | 139 | 0.01 |
| 37 | | 2-Methylnaphthalene | 0.735 | 0.718 | 2.3 | 137 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 137 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.625 | 0.654 | -4.6 | 144 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.347 | 0.383 | -10.4 | 146 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.216 | 0.243 | -12.5 | 160# | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.399 | 0.440 | -10.3 | 151# | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.430 | 0.456 | -6.0 | 143 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.365 | 1.337 | 2.1 | 136 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.685 | 1.652 | 2.0 | 135 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.246 | 1.229 | 1.4 | 137 | 0.00 |
| 47 | | 2-Nitroaniline | 0.427 | 0.435 | -1.9 | 143 | 0.00 |
| 48 | | Acenaphthylene | 2.060 | 2.015 | 2.2 | 137 | 0.00 |
| 49 | | Dimethylphthalate | 1.729 | 1.658 | 4.1 | 139 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.330 | 0.359 | -8.8 | 151# | 0.00 |
| 51 | C | Acenaphthene | 1.317 | 1.301 | 1.2 | 137 | 0.00 |
| 52 | | 3-Nitroaniline | 0.366 | 0.383 | -4.6 | 148 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.106 | 0.140 | -32.1# | 190# | 0.00 |
| 54 | | Dibenzofuran | 1.798 | 1.759 | 2.2 | 138 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.313 | 0.328 | -4.8 | 141 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.446 | 0.503 | -12.8 | 157# | 0.00 |
| 57 | | Fluorene | 1.606 | 1.562 | 2.7 | 138 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.357 | 0.374 | -4.8 | 148 | 0.00 |
| 59 | | Diethylphthalate | 1.805 | 1.714 | 5.0 | 137 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.791 | 0.801 | -1.3 | 144 | -0.01 |
| 61 | | 4-Nitroaniline | 0.402 | 0.401 | 0.2 | 135 | 0.00 |
| 62 | | Azobenzene | 1.547 | 1.421 | 8.1 | 130 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 140 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.077 | 0.110 | -42.9# | 193# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.600 | 0.589 | 1.8 | 137 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.214 | 0.223 | -4.2 | 144 | 0.00 |
| 67 | | Hexachlorobenzene | 0.226 | 0.236 | -4.4 | 150# | 0.00 |
| 68 | | Atrazine | 0.237 | 0.231 | 2.5 | 128 | 0.00 |
| 69 | C | Pentachlorophenol | 0.129 | 0.113 | 12.4 | 118 | 0.00 |
| 70 | | Phenanthrene | 1.102 | 1.071 | 2.8 | 137 | 0.00 |
| 71 | | Anthracene | 1.119 | 1.098 | 1.9 | 137 | 0.00 |
| 72 | | Carbazole | 1.044 | 0.990 | 5.2 | 130 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.329 | 1.261 | 5.1 | 125 | -0.01 |
| 74 | C | Fluoranthene | 1.316 | 1.252 | 4.9 | 129 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 128 | 0.00 |
| 76 | | Benzidine | 0.623 | 0.471 | 24.4 | 96 | 0.00 |
| 77 | | Pyrene | 1.153 | 1.137 | 1.4 | 129 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.802 | 0.792 | 1.2 | 129 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.535 | 0.534 | 0.2 | 126 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.151 | 1.133 | 1.6 | 126 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.911 | 0.901 | 1.1 | 126 | 0.00 |
| 82 | | Chrysene | 1.106 | 1.080 | 2.4 | 126 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.783 | 0.759 | 3.1 | 125 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.312 | 1.300 | 0.9 | 125 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.315 | 1.335 | -1.5 | 129 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 129 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.160 | 1.147 | 1.1 | 126 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.135 | 1.095 | 3.5 | 127 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.124 | 1.110 | 1.2 | 129 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.127 | 1.127 | 0.0 | 129 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.106 | 1.107 | -0.1 | 130 | 0.02 |

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